



# IRONING SOLUTIONS

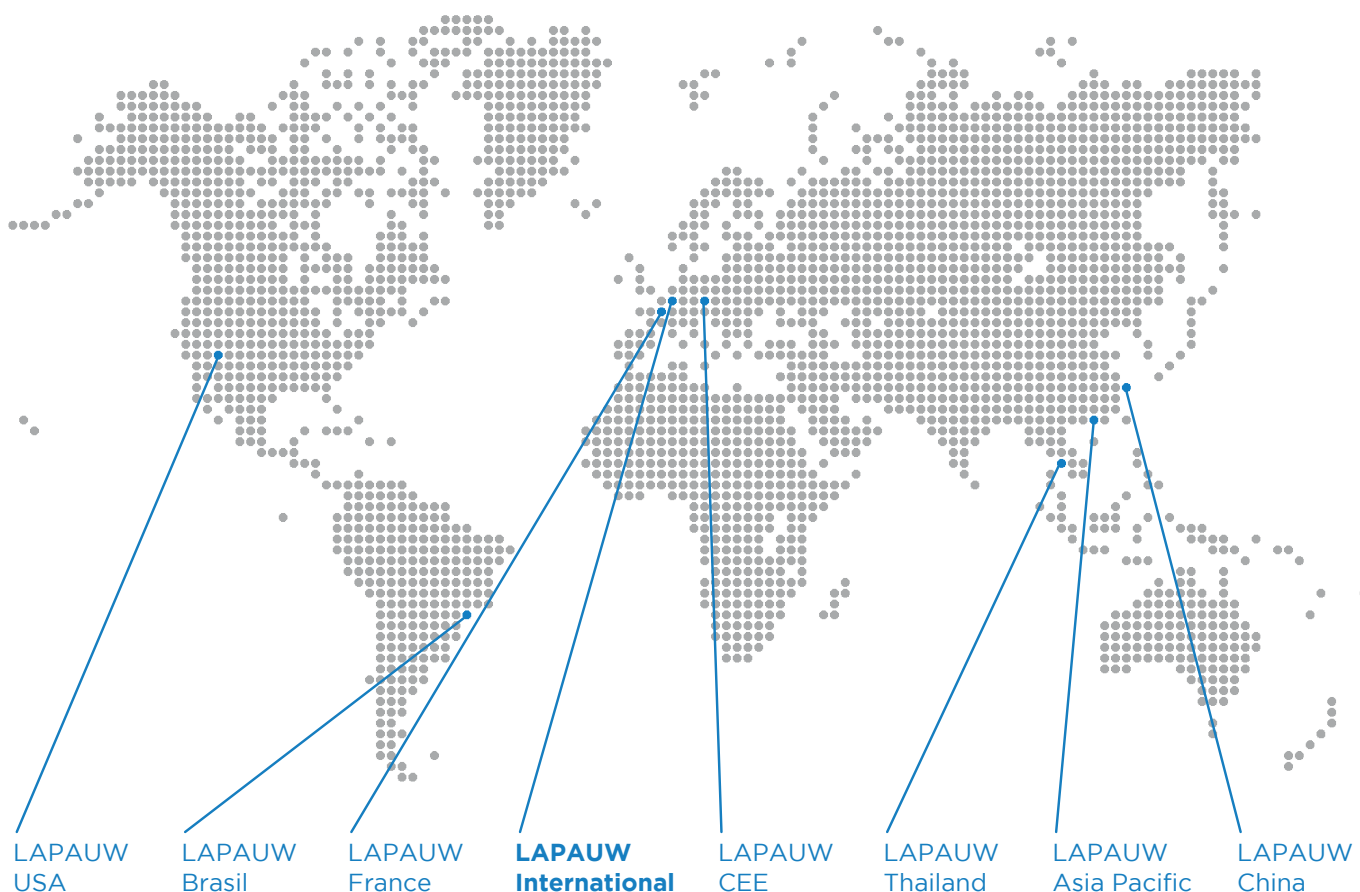


# LAPAUW THROUGHOUT THE WORLD.

## Worldwide Lapauw offices:

Lapauw has a worldwide network of Lapauw offices and dealers to serve its customers with the professionalism that is required. All dealers have a warehouse with the most common parts and all spare parts are always on stock at Lapauw for a 24 hr service.

Your closest local Lapauw partner can be found on our website: [www.lapauw.be](http://www.lapauw.be)



# TABLE OF CONTENT.

Lapauw throughout the world	2
Table of content	3
Beyond Innovation - Lapauw: Shaping laundry technology	4
Overview	6
Feeders	
Unifeed	8
Starfeed	9
Starfeed plus	10
Extra	11
Unix	12
Options	13
Ironers	
Lapauw Key Benefits	14
<b>IRONPRO</b>	16
<b>IRONMAX</b>	18
Classic steam	20
Classic gas	21
4000XXL	22
Relax	23
Options	24
Folders	
Starfold	25
Unifold	26
Superfold	27
Options	28
Stack & Fold	29
<b>FOLDPRO</b>	30
More Key Benefits	32
Product Overview	34
Contact Info	back



# BEYOND INNOVATION

\* All images and data in this brochure are for reference only and are not binding!

# BEYOND INNOVATION



## LAPAUW: SHAPING LAUNDRY TECHNOLOGY

Since the mid 20th century, Lapauw has shaped laundry technology.

Did you know that the flexible chest technology is in fact a Lapauw invention? And the “steamless laundry” concept would not even exist if it wasn’t for the gas heated ironers, a technology that saw the light in the Lapauw factory, in 1995. Ever since the very first ironer, in 1950 (with flexible chest), Lapauw has been on the vanguard of laundry technology, as Lapauw always adopted an “out of the box” approach to the specific challenges that come with laundry machinery.

Today, Lapauw manufactures a wide range of laundry equipment :

- Lapauw is one of the few manufacturers of heavy duty washer-extractors.
- Lapauw has the widest range of ironers, all of them equipped with the flexible chest\* technology.
- Lapauw complements its ironers with a full range of feeders and folders.
- The Hot Stream tunnel finisher is well reputed for the first class finishing quality it delivers.
- The Lapauw Trolley Wash takes care of trolleys or even disinfects hospital beds.
- Lapauw offers complete tunnel washing solutions, including press and dryers.

But most important of all, owners of the more than 8000 machines sold in over 40 countries know the Lapauw machines as highly efficient, robust machines that assure the lowest operational cost.

\* thin/thick

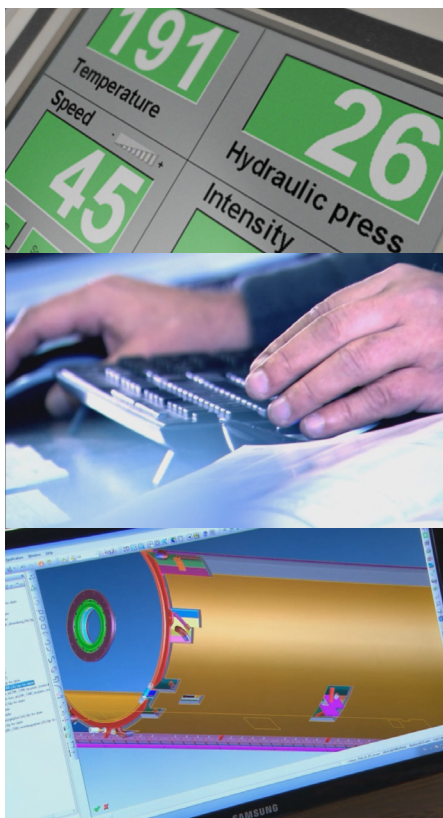


# “BEYOND INNOVATION”. THESE 2 WORDS ARE MORE THAN A SLOGAN, AS THEY RETURN TO THE 3 CORNERSTONES OF OUR PHILOSOPHY.

## Innovation

Lapauw invests heavily in R&D. The aim is not just to innovate, but to go beyond innovation by creating benefits for the customer. When developing new machines, we care about improving efficiency, ergonomics and environmental footprint.

The R&D team is located in the factory in Kortrijk, where they stay in close contact with the sales and manufacturing teams. This allows them to keep a finger on the pulse of laundry business and maintain a “hands-on” approach to Research and Development.



## Quality Management

Having obtained the ISO 9001:2015 certificate in 2018, Lapauw is one of the very few laundry machinery manufacturers that can put the ISO seal on its official documents. A seal that is worldwide recognized as a symbol of “business excellence”.

With ISO 9001:2015, we go beyond just the quality of the machines and take quality management into the whole process: from the moment we pick up the phone to the after sales and shipments of spare parts, assuring that our customers are served with the highest level of professionalism.



## Reliability and servicability

As the Total Cost of Ownership of laundry machines becomes more important, Lapauw goes to great efforts to keep the maintenance and operational costs of the machines to a minimum.

Through our network of distributors and Lapauw offices on every continent, we stay very close to our end users in hotels, hospitals and laundries, assuring them close support and short reaction times.

The simple, robust construction of the machines and the “Open Spare Parts” philosophy assure high reliability rates and minimum maintenance costs.



# IRONING SOLUTIONS OVERVIEW

## LAPAUW FEEDERS



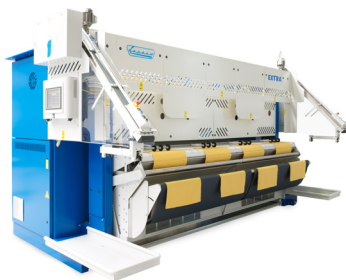
### Unifeed

The Unifeed is the integrated vacuum solution for all ironers.



### Starfeed & Starfeed+

The Starfeed is a stand-alone feeder with suction box that suits all ironers. The Starfeed+ offers you a single feeding station additional to the Starfeed.



### Extra

The Extra feeder has two feeding stations, feeding sheets in a single lane up to 750 pc/hr.



### Unix

Our Unix feeder has 3 or 4 feeding stations, 1 or 2 lanes, and processes up to 1800 pieces per hour with manual feeding.

## LAPAUW



### Classic steam

This is the standard Lapauw ironer, available in different diameters and with up to 3 rolls.



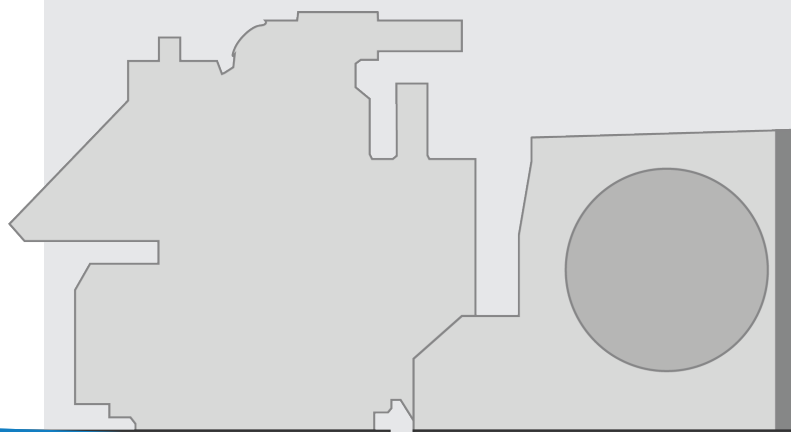
### XXL

With a 1600mm diameter and a chest that covers the roll for 286°, the XXL ironer is the largest single roll ironer available in the market. Available with gas, steam or oil heating.



### IRONMAX

Thanks to innovative features like a new chest design and a parallel oil flow pattern, the IRONMAX gives the answer to today's and tomorrow's demands for increased productivity.

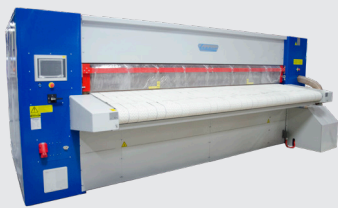


# SOMETHING FOR EVERYONE.

Lapauw offers *complete ironing solutions* to all your needs.

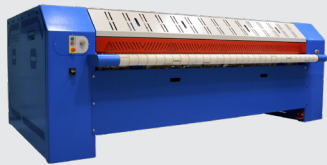
## IRONERS

### Classic gas



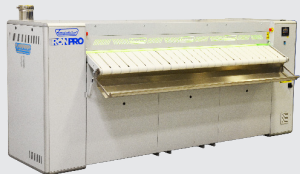
The classic gas ironer is the most efficient, heavy duty, high capacity, gas heated ironer on the market. Available in different diameters.

### Relax



The Relax ironer brings you a double roll with 800mm diameter in a single machine. Easy for transport, easy for installation.

### IRONPRO



The IRONPRO brings the industrial quality & technology to the OPL and smaller laundries.

## LAPAUW FOLDERS

### Starfold



The Starfold performs 2 or 3 primary folds by air in 1 or multiple lanes. The ideal machine to handle your small items or to add to a single roll system.

### Unifold



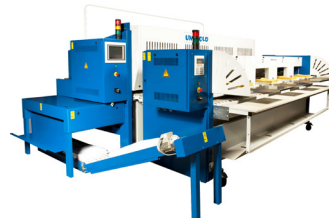
The Unifold, with 2 or 3 primary folds by air and 2 or 3 cross folds by knife, is the high capacity folder of Lapauw. Multiple lanes, drop stacker and other options are available.

### Superfold



The Superfold is the high quality folder of Lapauw, performing 2 or 3 primary folds by knife, 2 or 3 cross folds by knife with automatic correction and it is equipped with a roll-off stacker.

### Stack & Fold



The Stack & Fold is used to cross fold and stack small items. The machine is available as a complete independent system that can be added to any machine.

### FOLDPRO



Flexible folder which folds, sorts, stacks and counts all kinds of towels.

# FEEDERS UNIFEED

## EFFICIENT MANUAL FEEDING

The Unifeed is a suction box that assures easy and fast manual feeding.

As the Unifeed creates a powerful airstream, the sheets shake out before they enter the ironer. This shaking straightens the sheets and, thus, enhances feeding quality without additional attention by the operator that feeds it.

## THE COMPACT SOLUTION

Because the Unifeed is mounted under the Lapauw ironer's feeding belts, it doesn't take up any additional space in the laundry.

## ADJUSTABLE SUCTION POWER

Whether you feed light single person sheets or heavy king size duvet covers, the Unifeed guarantees an optimal airspeed.

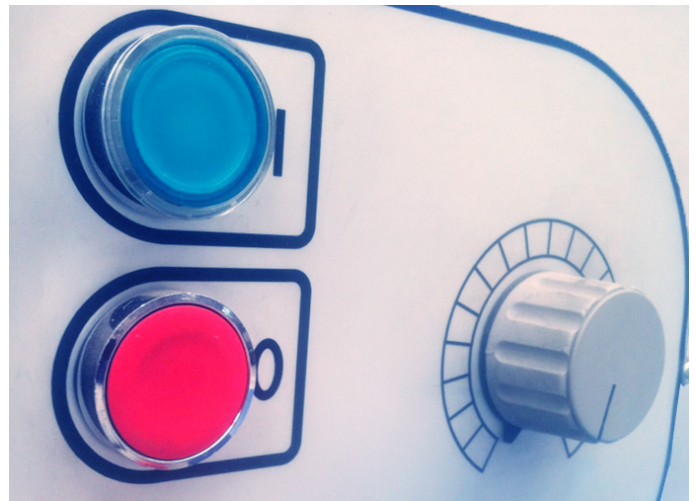
With the frequency controlled fans, the airspeed is adjustable, which allows you to optimize the airspeed to the type of linen.

When the ironer is equipped with a microprocessor control system, the Unifeed is controlled through the ironer's control system.

This allows you to set-up a different airspeed for each program.



Unifeed mounted under the Lapauw ironer's feeding belts.



# FEEDERS STARFEED

## THE 2-IN-1 MACHINE

With the Starfeed, Lapauw combines 2 features that are recommended for high quality manual feeding. The vacuum smoothens the linen before entering the ironer, while the suction through the feeding belts guides the linen into the ironer.

## DIRECT FEEDING

The Starfeed is optional available with a modified exit for direct feeding in the ironer's chest. This way, there is no transfer from the feeder to the ironer, which results in a higher quality on the items.

## FITS ANY IRONER

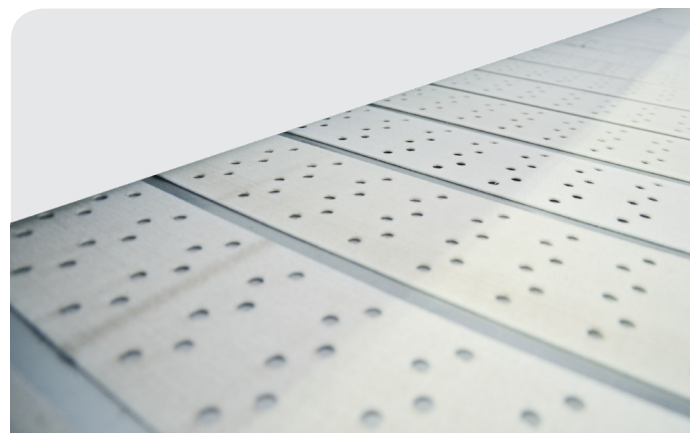
The Starfeed is available in different working widths up to 4200mm and has an adjustable exit table to suit the height of your existing ironer.

## THE SMALL PIECE MACHINE

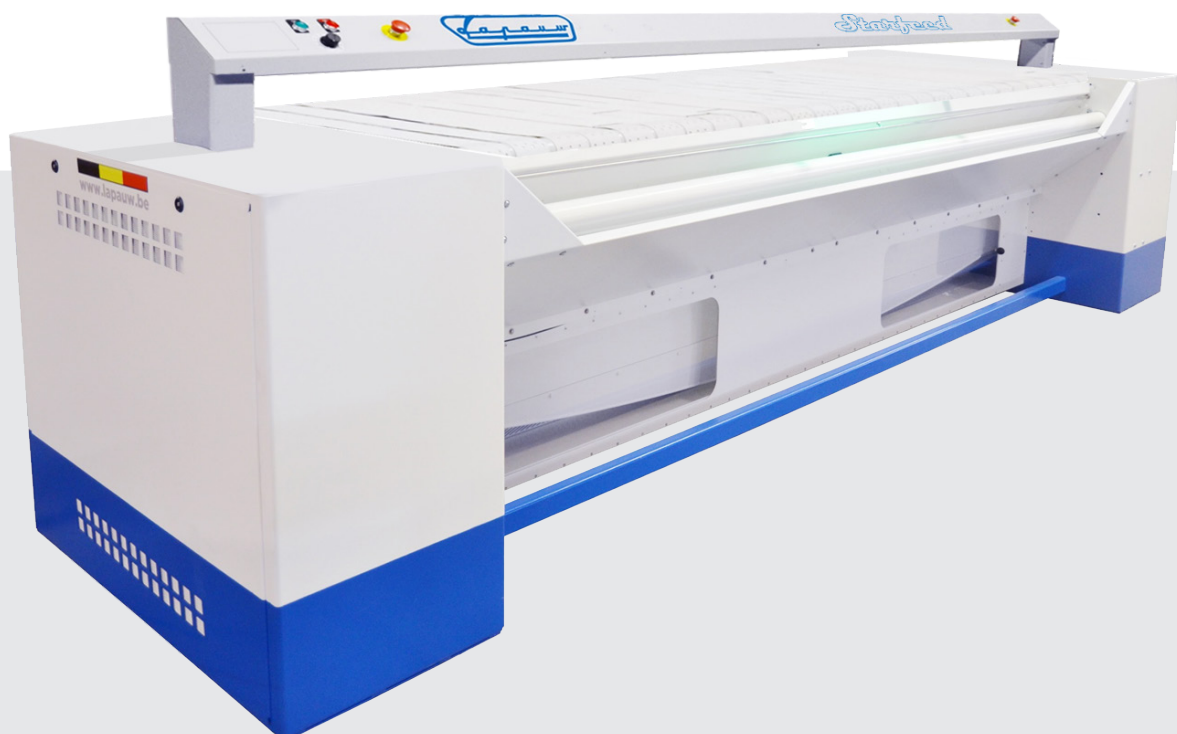
The Starfeed is the perfect small piece feeding unit.

The perforated feedbands with vacuum assure that small pieces can be fed correctly at a high feeding rate.

Also, the optional laser system clearly indicates the different lanes, enabling the operators to correctly feed.



Perforated feedbands



# FEEDERS STARFEED+

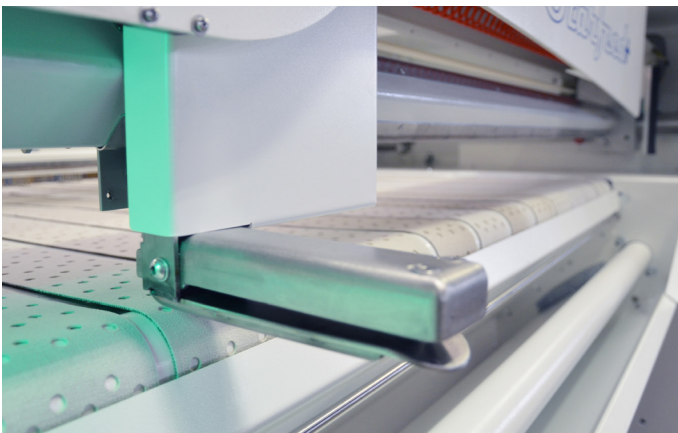
## AUTOMATION STARTS HERE

Starfeed+ is a single person, one-lane clamp feeding system.

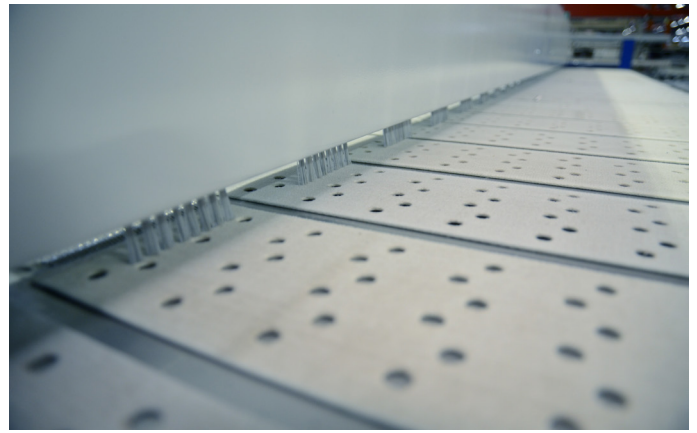
This system allows one operator to feed up to 250 items per hour. The PLC control system enables you to create different programs, adapted to the type of linen you feed.

## FLEXIBILITY

The fans of the Starfeed+ are frequency controlled, allowing you to optimize the airspeed to the type of linen that you want to feed. The airspeed, the tensioning of the linen, the conveyor speed and the programming, all is done with the Siemens PLC that easily communicates with your ironer and folder.



Clamp feeding module



Brushes installed on the exit conveyor (optional)



# FEEDERS EXTRA

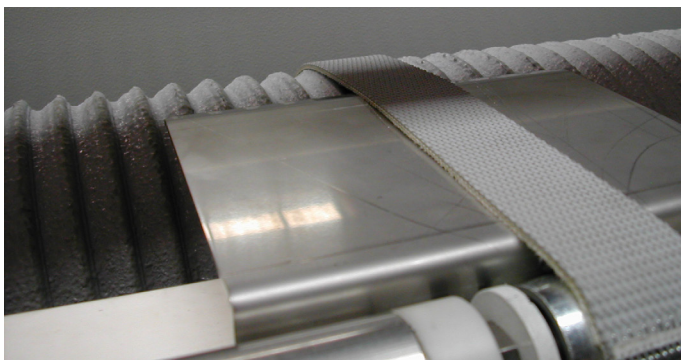
## HOW IT WORKS

The operators put the sheet by one of its edges in the feeding posts. A correction roll takes over the sheet and corrects it. Servomotors drive the correction roll, allowing a very fast and precise correction.

Once aligned, a vacuum system takes over the sheet and delivers it onto the exit conveyor towards the ironer.

## NO PIT REQUIRED

The Extra pulls the items to a height of 1761 m. Therefore, no pit is required.



## EASY TO USE - CORNERLESS FEEDING

No need for the operators to search for the corners on the same edge of the sheet. A single part of one edge is sufficient for the correction roll to align the sheet straight and in the middle of the ironer. This raises the capacity up to 750 pc/hr with 2 operators.

## THE LOW MAINTENANCE MACHINE

As the Extra relies on a correction roll and vacuum system to pass the sheet onto the ironer, there are virtually no complex mechanical systems or moving parts to take care of.



## MANUAL FEEDING

The Extra can be executed with an automated displacing system for manual feeding on the feeding belts of the ironer or with an optional integrated Unifeed vacuum system for manual feeding and waxing the ironer.

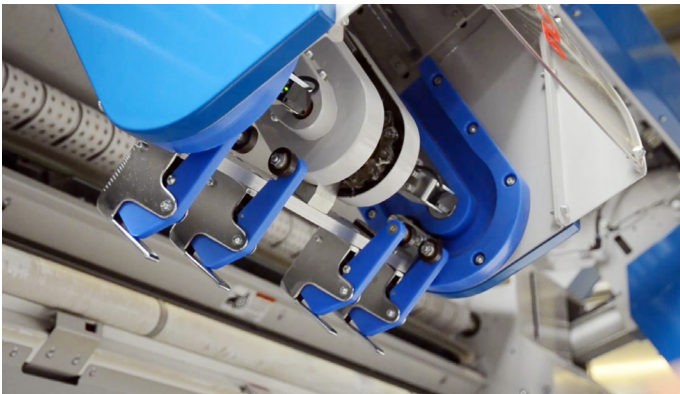


# FEEDERS UNIX

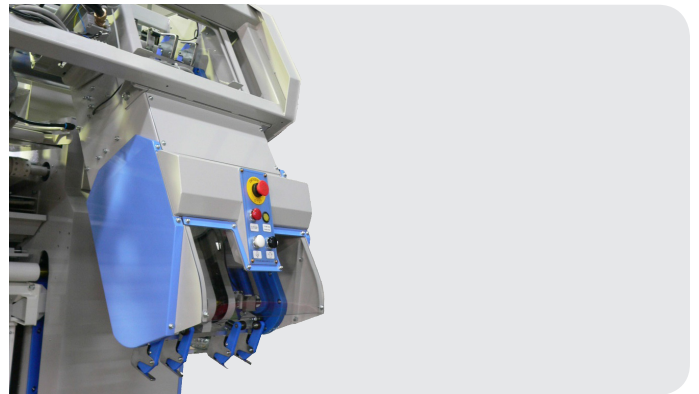
A perfect finish starts at the feeder. The Unix is the Lapauw clamp feeding machine that combines optimal feeding with high speed. The Unix is available with 3 or 4 feeding stations in single or 2-lane configuration, with working widths from 3300 up to 4000 mm. The Unix also allows manual feeding.

## REVOLVING FEEDING CLAMPS REDUCE OPERATOR WAITING TIMES

Each feeding station has a double set of feeding clamps, positioned opposite to each other. This allows operators to feed the sheets faster.



Feeding clamps



Feeding clamps

## NO MORE LEFTOVERS IN DUVET COVERS

The Unix detects when other items, like pillow cases, are left over in duvet covers and automatically reject those duvet covers immediately.



## EVEN THE HEAVIEST ITEMS

Unix gets a grip on even the heaviest items. Next to a vacuum system, the transfer unit also disposes of two clamps: one in front and one on top of the transfer unit, assuring that even the heaviest items stay fixed onto the unit. The Unix can treat items with a weight of up to 4,5 kg.



## SPEED MEETS PRECISION

The feeding clamps hand over the linen to a pair of spreading clamps. The spreading clamps are servo driven and run on a hardened, lint-free guiding rail, which assures that the linen is swiftly and accurately spread and positioned.



## EXTREME SMOOTHENING OF THE LINEN BY SUCTION FLAP AND BRUSHES

The Unix vacuum unit and brushes assure that the linen is straightened out. The vacuum unit also disposes of a suction flap for the heaviest of items. The suction flap is a programmable flap in the vacuum unit that enhances the shaking effect on the linen.



## STRAIGHT EDGES

The spreading clamps servo control and top blow system assure a straight leading edge. The moment the spreading clamps release the linen on the transfer unit, the Top Blow air jet system delivers a short burst of air to the leading edge.



# FEEDERS OPTIONS

	Unifeed	Starfeed	Starfeed+	Extra	Unix
Working width larger than 3300 mm	O	O	O	O	O
Feed through	O	O	O	-	-
Stained and torn push buttons	O	O	O	O	S
Perforated feed belt assembly for small pieces	-	S	S	O	S
Brushes on exit conveyor	-	O	O	O	O
Direct feeding in the ironer	-	O	O	O	O
Automatic displacement system	-	-	-	O	-
Sandwich conveyor	O	O	O	-	O

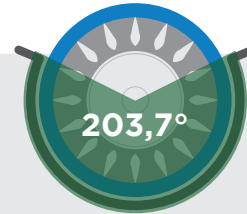
S = standard, O = option, - = not available

# IRONERS

# LAPAUW KEY BENEFITS

## THE LARGEST IRONING SURFACE ON THE MARKET

Together with its very first ironer, over 60 years ago, Lapauw introduced the flexible chest principle to the laundries. Thanks to the latest developments in design and a carefully positioned chest suspension system, the Lapauw ironer still provides the largest ironing surface on the market, where the chest covers the roll up to 203,7°.



## DEDICATED CHEST DESIGN

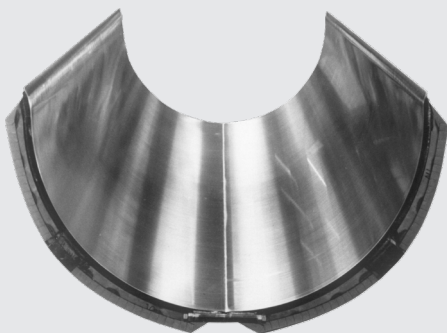
Today, Lapauw takes chest design beyond just the flexible chest. Lapauw is the sole manufacturer that assures optimal performance and efficiency by incorporating the characteristics of steam heating and thermal oil heating (gas heated ironers) into its chest design.

### Lapauw manufactures 2 types of flexible chests:

#### Thick hinged chest: The true flexible steam chest

The biggest challenge for a steam heated flexible chest is steam pressure, as high steam pressure gives multiple problems with thin chests. This is why Lapauw chooses to work with the thick, hinged chest for steam heated ironers, instead of the thin, flexible chest.

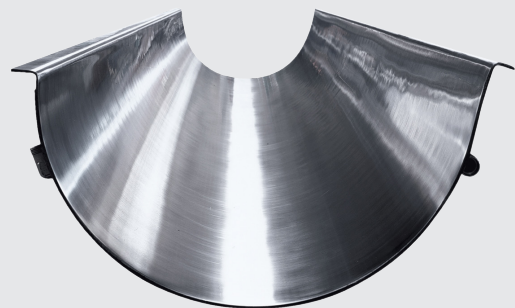
The hinge joins two 12mm thick chest elements, allowing this chest to close around the roll over an angle of more than 185°. The thickness of the chest elements provides the robustness and strength to absorb the tremendous distortion forces released by the high steam pressure, keeping the chest in perfect shape.



#### Thin flexible chest: Perfect for Gas heated ironers

The thin, flexible chest was introduced to the laundry market by Lapauw in 1994, when we developed the first gas heated chest ironer in the world.

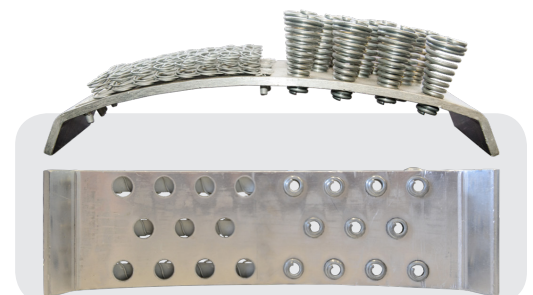
The flexible chest is well known to the laundries today, but the Lapauw chest is different from the others in many aspects like the oil flow, the heat transfer characteristics, etc... These properties result in a high efficiency chest with a maximal performance.



## INDIVIDUAL LAPAUW SPRINGS\*

Each Lapauw roll is performed with large individual springs. Those springs are placed in each of the roll perforations, assuring an optimal exhaust of the vapors.

But there is more: the thick, stitched padding is firmly held in place by the individual springs, assuring it does not shift or get damaged when the ironer runs at high speeds.

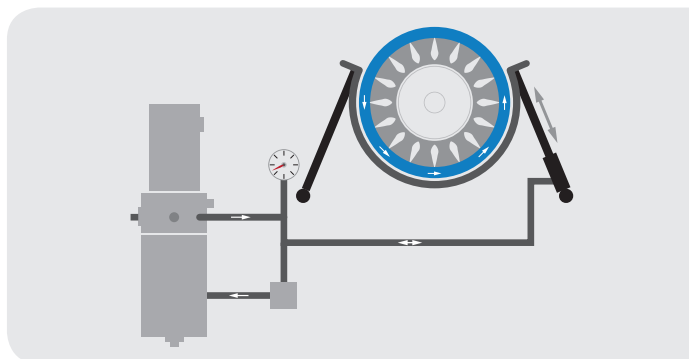


## LAPAUW RAISES THE CHEST... WITH HYDRAULICS

Unlike common flexible chest ironers, that raise and lower the roll with pneumatics, Lapauw raises and lowers the chest by using hydraulics.

This system offers some significant advantages compared to classic systems:

- Lifting the chest requires far less complex mechanics than a roll lifting system, which signifies lower maintenance costs.
- The hydraulic system is fully integrated into the ironer and does not depend on external sources (like pneumatic system).
- Instead of using 2 large pneumatic cylinders on both sides of the roll, the hydraulic chest lifting system has small hydraulic cylinders that are mounted on equal distances over the complete working width. This assures an uniform and consistent ironing pressure over the full ironing surface.



## MAINTENANCE MADE SIMPLE

All Lapauw multiple roll ironers are standard equipped with a remote control for replacing guiding tapes and padding.

## THE WIDEST RANGE

From a 600 mm roll diameter to 1600 mm roll diameter and with working widths from 1750 mm up to 4200 mm, Lapauw offers the widest available range of ironers on the market. This way we assure you the optimal ironer for your business and your needs.

All models are available in single, double and triple roll versions.

All ironers are manufactured equally with the same highest standards such as the flexible chests and the hydraulic chest lifting system, offering you the performance and first class finish from the smallest jobs to the extreme high quantity demanding market of today.



## HIGH POWER EXTRACTION PER ROLL

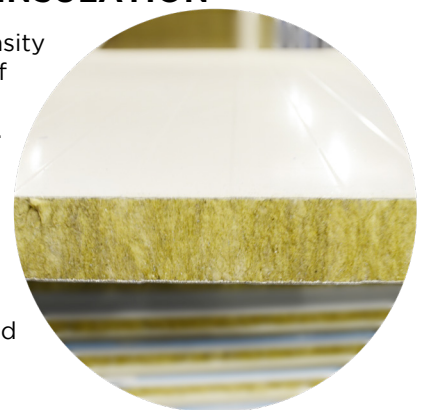
Each roll has an independent adjustable exhaust fan to assure the optimal vapor exhaust.

## HEATED GAP PIECE

2 roll and 3 roll ironers have a fully heated gap piece that acts as a bridge between the multiple rolls. This bridge boosts evaporation power during the ironing cycle of linen and keeps the ironing temperature at a constant level throughout the complete heated path, assuring a high finishing quality.

## HIGH DENSITY INSULATION

Lapauw uses high density cover panels on top of the roll that keep the heat where it belongs. This way, we assure a minimum loss of energy. The panels are designed to stay in place, even during maintenance tasks, but also to be removed easily when needed.



\* The Mono 600 and 800 ironers are as standard equipped with springpress and 2 layer polyester moleton.

# IRONERS IRONPRO



## GAS HEATED CHEST IRONER

The heart of the IRONPRO is the integrated gas heating system. The heated oil is circulating through the chest, which makes the difference in finishing quality much better, compared to roll heated ironers.

## FLEXIBLE CHEST

The IRONPRO is equipped with a 100% carbon steel, flexible chest, that is raised by hydraulic actuators. This way, the chest always has the perfect contact pressure with the roll, even when the padding has already been used for a while.



## MAINTENANCE FRIENDLY

- The IRONPRO is equipped with easily removable panels so all areas are accessible for maintenance. This feature also helps you to keep dust away from your machine.
- The roll is driven by a direct drive system without belts to reduce maintenance tasks such as controlling belt tension etc.
- The burner is kept away from electronic components to extend their lifetime.
- Particularly useful for the installation of the machine, the IRONPRO is designed for easy lifting and moving by a fork-lift.



## NO MARKS

Compared to roll heated ironers with belts, the **IRONPRO** doesn't leave any marks on the ironed linen. The scrapers assure a perfect and smooth push off of the linen from the roll without any visible marks.



## USER FRIENDLY

The **IRONPRO** is standard equipped with a PLC that allows the creation of different ironing programs with different speeds and temperatures. The colored touch screen makes it as easy as it gets to operate the machine.

The **IRONPRO** has a smart-LED lightning system that spans the full working width of the machine and illuminates the feeding belts. But the smart-LED system does more, as it also indicates the operator what is going on with the machine by changing the color to the color that matches with the status of the machine.



## TECHNICAL SPECS.

The **IRONPRO** comes in roll diameters of 500, 600 and 800 mm. The working widths range from 2200 up to 3300 mm (including 3500 mm for the 800 mm roll). All **IRONPRO** models are available in a gas heating, electric heating and steam heating version\*.

### STANDARD FEATURES

- Flexible chest
- Hydraulic chest lifting system
- Springpress springs
- High temperature Aramid multiwrap padding
- Exit table (600 mm)
- Smart LED system
- Siemens PLC with touch-screen
- Stainless steel feeding trough

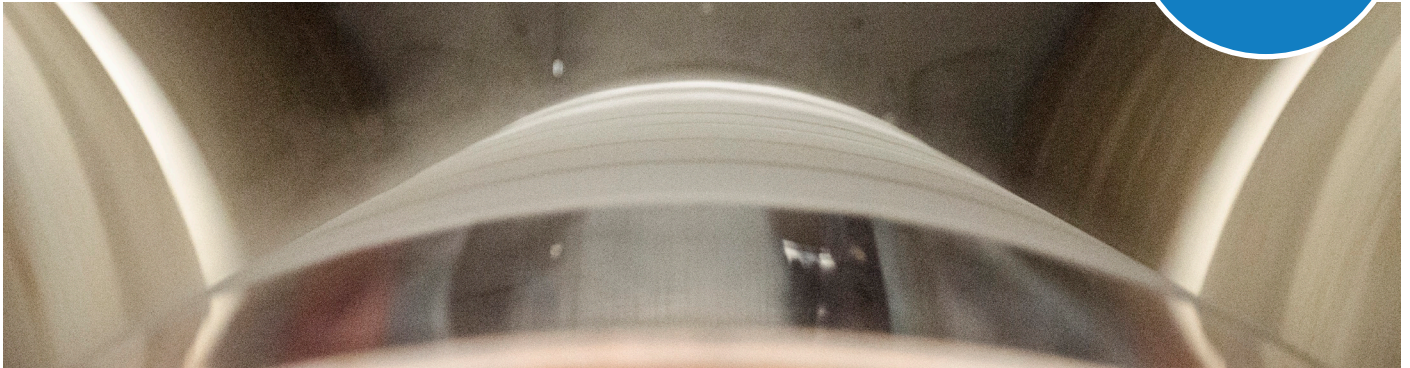
### OPTIONS

- Lapauw individual springs (Not for 500 mm diameter).
- Foot pedal

\* The **IRONPRO** 500 ironer is only available in gas heating and electric heating version..

# IRONERS IRONMAX

Available as  
a gas or steam  
model.



## MAXSURFACE

With the redesigned chests and bridges, the **IRONMAX** offers the largest ironing surface in the industry.

The innovative new design gives the **IRONMAX** thin chest up to 2.37 x more flexibility than today's conventional flexible chests.

The **IRONMAX** also is equipped with redesigned bridges, that offer > 1 meter ironing passage per bridge.

## MAXPOWER

The innovative **IRONMAX** thermal oil circuit is the only true parallel flow circuit in the industry. The **IRONMAX** parallel flow circuit creates a transversal oil flow over the chest and bridges, assuring the most constant and uniform ironing temperature over the complete ironing surface.

But that's not all. The **IRONMAX** parallel flow oil circuit liberates more heating power than conventional serial flow systems and maintains this power at the most constant level, irrespective of the type of linen that is ironed.

For the **IRONMAX** steam models the steam circuit also assures the most constant and uniform ironing temperature over the complete ironing surface. But that's not all, as the carefully designed condensate return circuit is monotonously descending towards the steam traps, assuring rapid and efficient evacuation of the condensate.





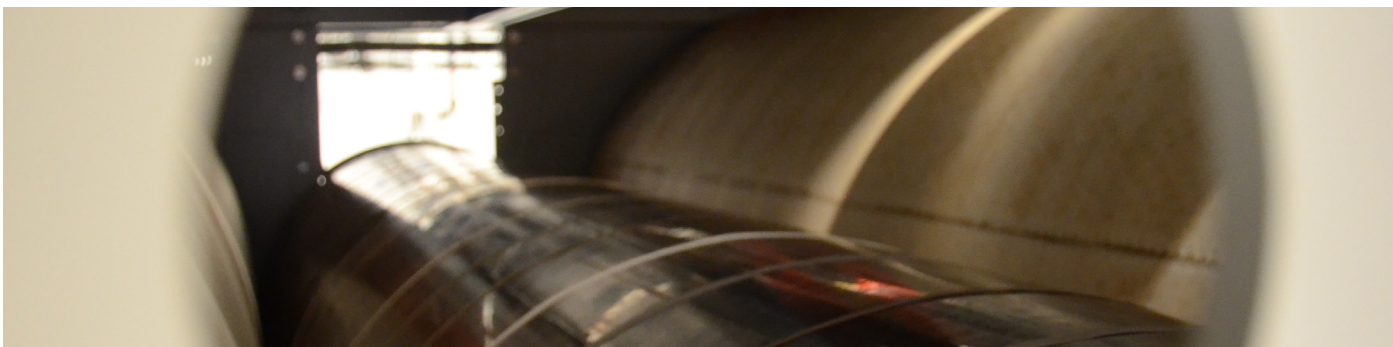
### MAXACCESS

The **IRONMAX** is designed for ease of maintenance. Strategically located removable cover plates grant easy access to all components, even to the chests and flexibles. Optional translucent side covers enable visual inspection and allow for visual maintenance.



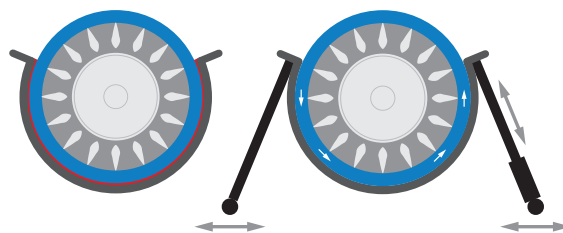
### MAXSUCTION

The **IRONMAX** is equipped with the trademark Lapauw individual spring system, assuring maximal moist evacuation. Combined with the individual, adjustable suction per roll, the individual springs offer the most efficient moist evacuation system in the industry. Very powerful and adjustable per roll.



### MAXQUALITY

Thanks to the flexible chest and hydraulic chest lifting system, the **IRONMAX** assures an ironing pressure that is uniform over the complete ironing surface. The **IRONMAX** also adopts the floating chest technology, which means that the chest adapts itself to the thickness of the linen and of the padding, allowing it to maintain the same contact and uniform ironing pressure.



The **IRONMAX** comes in a roll diameter of 1200 mm, 2 or 3 rolls. The working widths range from 3000 up to 4300 mm. All **IRONMAX** models are available in a gas heating.

#### STANDARD FEATURES

- Thin flexible chests in carbon steel
- Hydraulic chest lifting
- Lapauw individual springs
- High temperature Aramid padding
- Individual suction per roll - adjustable
- SIEMENS PLC control unit with touch-screen
- Feed band assembly
- Decentral drive system with electronic speed synchronisation

#### OPTIONS

- Power plug for feeder & folder
- Energy meter
- Translucent side panels

# IRONERS CLASSIC STEAM

Available with: 600,  
800, 900, 1200 and  
1600 mm Ø rolls.

## THE STANDARD IN IRONING

From the onset, the Lapauw ironer revolutionized flatwork finishing. Equipped with the innovative features such as: the thick hinged chest, the hydraulic chest lifting system and the individual springs, Lapauw ironers have been recognized as the standard for high quality finishing in the laundry industry.

## OPTIMAL HEAT TRANSFER

The thick, hinged chest not only assures the robustness to support the high steam pressures, it is also designed for optimal heat transfer.

- Steam needs volume, rather than speed to effectively transfer heat to the linen. This is why the Lapauw steam chests have large steam chambers that take in high volumes of steam.
- Fast and efficient evacuation of the condensate is paramount for the performance of the ironer. The Lapauw steam chest is subdivided in 2 or 4 independent steam chambers (depending on the roll diameter) each with their own steam trap, assuring that the condensate is quickly and efficiently evacuated from chest and gap piece.

## CARBON STEEL CHEST

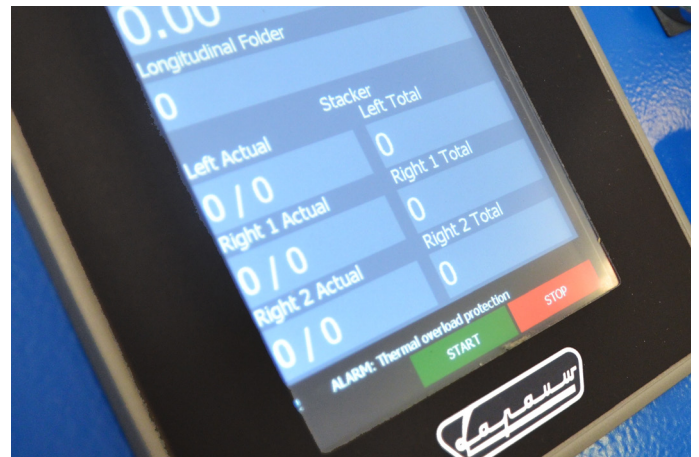
Pitting corrosion is a corrosion that infects stainless steel when it comes in contact with certain chemicals and can damage thin plates beyond repair.

The thick carbon steel Lapauw steam chests eliminate any chance of pitting corrosion, assuring care free operation and long lifespan.

## CONTROL MADE EASY

All Lapauw Classic steam heated ironers come with a standard read out for temperature and speed, including an analogue speed regulation.

Optional read out of hydraulic pressure and intensity is available as well as a full color touch screen that can be combined with an automatic steam pressure system that allows the operator to choose between different programs with different speeds and temperatures.



# IRONERS CLASSIC GAS

Available with: 600,  
800, 900, 1200 and  
1600 mm Ø rolls.

## A CLASSIC

Lapauw was the first to develop and introduce an integrated gas heated ironer in the market in 1994.

Ever since that time, Lapauw is always a step ahead in the development of the integrated gas heated ironers and sets a standard in the market.

## EFFICIENTLY EXCHANGING HEAT

All Lapauw heat exchangers are triple way heat exchangers. These assure that most of the created heat by each burner is used to heat up the oil and to avoid energy losses in the system.

## OPTIMAL OIL FLOW

The oil flow of the system is created by high volume pumps that circulate the oil through the system. The flow through the chest is a parallel flow that assures a constantly equal temperature over the complete ironing surface of the machine.

## LAPAUW IRONERS ARE DGVW CERTIFIED

Lapauw has received the DGVW certification for its gas heated ironers. The German based DGVW institute has gained worldwide recognition as the authority in gas installations and applications.

With this certificate, Lapauw sees its gas heated ironers complying to the GAD/2009/142/EC Directive that certifies gas heating appliances as safe and efficient.



\* Gas heating not available for triple roll, 1600 mm roll diameter.

# IRONERS 4000XXL

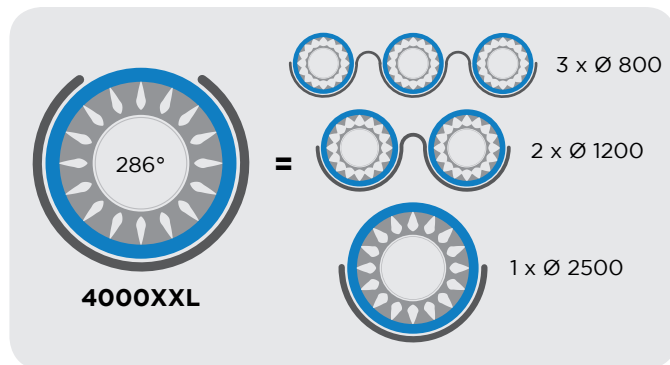
## THE LARGEST SINGLE ROLL ON THE MARKET ASSURES A FIRST CLASS IRONING FINISH

The 4000XXL has one major difference with the classic ironers: chest size.

The steam heated 4000XXL chest consists of 3 parts, instead of 2, and the gas heated 4000XXL has a 2 part flexible chest covering the roll.

This large chest envelops the 1600 mm diameter roll over 286°, creating an ironing path, under pressure, that measures 4m.

The result is an extremely large ironing surface, assuring perfectly ironed and pressed linen.



## STEAM OR GAS

The 4000XXL is available in both steam and gas heated version.

## A FIRST CLASS FINISH STARTS WITH OPTIMAL FEEDING CONDITIONS

A first class ironing finish will not exist if the feeding is not done properly. Therefore the 4000XXL comes standard with technology that makes sure the linen enters the roll under the optimal conditions.

### Tapeless ironing

The XXL ironer is standard equipped with scrapers instead of guiding tapes to assure a perfect finishing of the linen without any marks of guiding tapes.

### Adjustable feedband speed

The speed of the feeding belts is adjustable in each program and independent from the ironer roll, giving you the full control over the speed. Each different type of linen can have a different program with a different speed ratio.

### Sandwich conveyor

The sandwich conveyor, on top of the feed band assembly, assures that the leading- and trailing edge are not folded over when they enter the chest.

### Perforated feed bands

Suction through the feed bands assures that the linen sticks to the feedbands, assuring that it enters the chest with straight edges.

The 4000XXL is, as standard, equipped with perforated feedbands and suction.



# IRONERS RELAX

## SINGLE FRAME MACHINE LOWERS YOUR TRANSPORTATION COSTS

Where a standard 2 roll ironer has to be transported as 2 separate items, the Relax steam heated ironer fits into a 20 ft. container as a single piece.



## FLOATING CHEST

Although the Relax has a rigid chest, the floating chest design offers the perfect hybrid between the Lapauw hinged chest and the classic rigid chest design.

Together with the pneumatic ironing pressure adjustment system, the floating chest design provides a more constant ironing pressure than classic rigid chests.

## 100 % CARBON STEEL CHEST

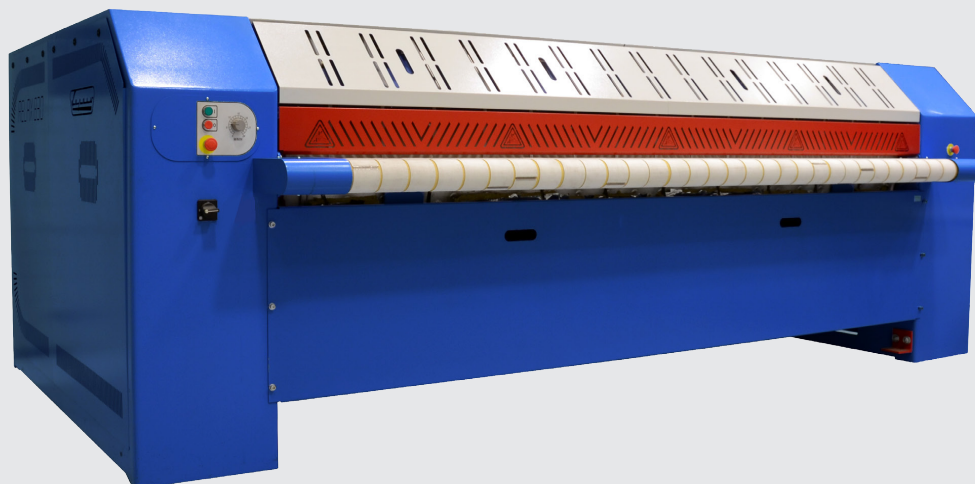
The Relax chest is completely manufactured in carbon steel. With a heat conduction factor 4 times higher than stainless steel, a carbon steel chest transfers heat much faster over the ironing surface.

Thanks to this technology, Lapauw assures optimal heat distribution over the full ironing surface.

## MAXIMUM MOISTURE REMOVAL

The gap piece is formed by chest of the first and second roll. Thanks to this, the gap between the first and second roll is heated.

The individual suction per roll assures optimal moisture removal.



# IRONERS OPTIONS

	Classic Steam	Classic Gas	4000XXL	Relax
High temperature Aramid padding <sup>(1)</sup>	O	O / S *	S	O
Beveled edge padding	O	O	O	-
Longer feed bands with suction	O	O	S	-
Separately driven feed bands	O	O	S	-
Stainless steel feed trough	O	O	O	O
Exit table (600 mm) <sup>(2)</sup>	O	O	-	O
Exit conveyor <sup>(3)</sup>	O	O	-	O
Exit conveyor 4000XXL	-	-	O	-
Stop pedal <sup>(4)</sup>	O	O	O	O
Microprocessor control system <sup>(5)</sup>	O	O / S *	S	-
Modulating gas burner	O	O / S *	S	-
Indication current draw and hydraulic pressure	O	O / S *	S	-
Indication ironing temperature	S	S	S	O
High speed	O	O	O	-
LPG Gas system	O	O	O	-
Diesel fuel burner	O	O	O	-
Gas and electric consumption meter	O	O	O	-
Guide tape monitoring <sup>(6)</sup>	O	O	S	O
Power plugs for connection to feeder and folder	O	O	O	-
Waxing and cleaning cloth <sup>(7)</sup>	O	O	O	O

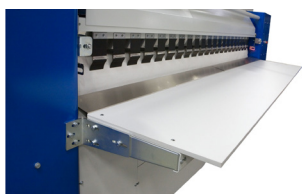
\* Standard on all 2 roll 1200 / 1600 gas heated ironers.

S = standard, O = option, - = not available

## <sup>(1)</sup> Padding

Standard padding on the Lapauw ironers is 100% polyester, stitched padding. High temperature Aramid padding is used when the ironing temperature is set higher than 180°C.

## <sup>(2)</sup> Exit table



## <sup>(3)</sup> Exit conveyor

Motorized conveyor that can be used instead of standard output table. This conveyor has a length of 1500 mm and allows the linen to cool down before operators take it.

## <sup>(4)</sup> Stop pedal

When the stop pedal is pressed, the feed band assembly comes to a stop, allowing the operator to straighten the edges.

## <sup>(5)</sup> Microprocessor control system + PLC system

The microprocessor control system allows you to create different ironing programs, adapted to the type of linen. A large LCD touch screen gives a clear overview of the programs and all necessary process values.

On gas heated ironers, the microprocessor control system is combined with the modulating burner and also controls the burner.

The microprocessor system can be installed on steam heated ironers also, where the microprocessor can be used to control a steam pressure relieve valve

## <sup>(6)</sup> Guide tape monitoring

All Lapauw multiple roll ironers can be equipped optionally with scrapers on the last roll instead of the traditional guiding tapes. Single roll ironers have standard scrapers installed. Both systems can optionally be combined with a guiding tape/scrapper surveillance system.

## <sup>(7)</sup> Waxing and cleaning cloth





# FOLDERS STARFOLD

## THE LAPAUW ECONOMIC FOLDING SOLUTION

The Lapauw Starfold offers the quality of the larger Unifold, but also offers a compact solution for a small or middle sized laundromat. The folder has standard two long folds executed by airblast. A third long fold can be added as an option.

## AUTOMATION AND FLEXIBILITY

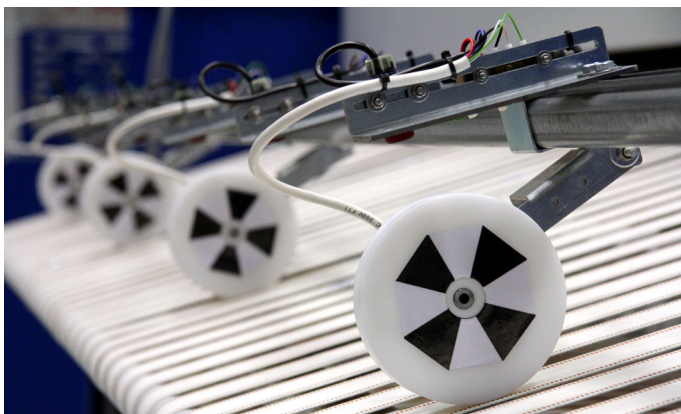
The functions 'Automatic Lane Coupling' (ALC) for small piece primary folding and 'Automatic Fold Selection' (AFS) are standard features on the Starfold. This allows you to process a wide variety of items without the need for frequent program changes or even sorting before the ironing process.

## PRIMARY FOLDING: EFFICIENCY AND CONSISTENCY

The specially designed blow pipes assure a silent and powerful air blast. The multiple point distribution system provides a uniform, powerful air blast that is equally distributed over the full working width.



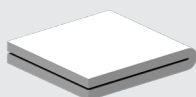
Blow pipes



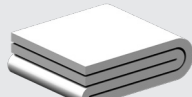
### FOLDING PATTERNS

#### Starfold 2

Primary folding



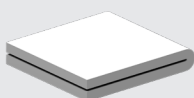
1 x Long Fold



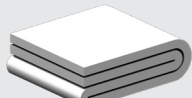
2 x Long Fold

#### Starfold 3

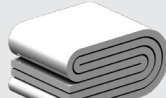
Primary folding



1 x Long Fold



2 x Long Fold



3 x Long Fold



# FOLDERS UNIFOLD

## THE ALLROUND FOLDING MACHINE

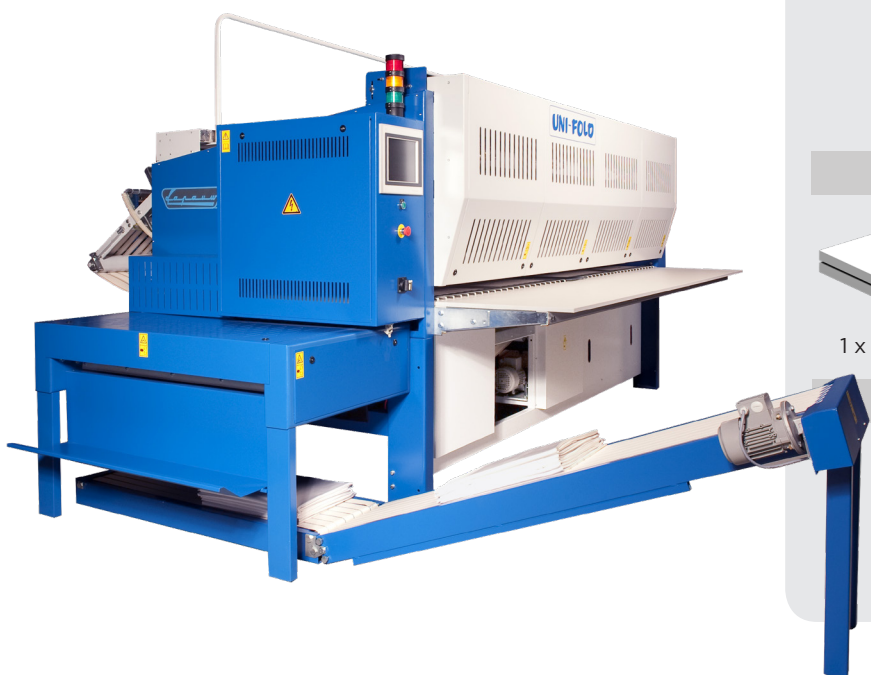
Do you need a folder for a high production line or do you only need a primary folding? Thanks to the modular design, the Unifold offers you the flexibility to select the folder that perfectly fits your requirements and yet keeps a standard for all your ironing lines.

## FIRST CLASS CROSS FOLDING

All 3 cross folds use knife folding (picture) as standard. Two pinch rollers automatically adapt the first cross fold opening to the thickness of the linen. Pneumatic cylinders support the pinch rollers, which provides optimal counter pressure for the rollers to close just enough so that the linen does not shift or drop. This guarantees carefree operation, regardless the type or thickness of the linen.



Reliable cross folding: Unifold has knife folding for all crossfolds.



## PRIMARY FOLDING: EFFICIENCY AND CONSISTENCY

The specially designed blow pipes assure a silent and powerful air blast. The multiple point distribution system provides a uniform and equally distributed pressure over the full working width.

## AUTOMATION AND FLEXIBILITY

The functions 'Automatic Lane Coupling' (ALC) for small piece primary folding and 'Automatic Fold Selection' (AFS) are standard features on the Unifold. This allows you to process a wide variety of items without the need for frequent program changes or even sorting before the ironing process.

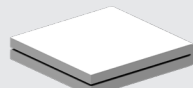
### FOLDING PATTERNS

#### Unifold 2

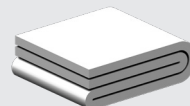
##### Primary folding



Total bypass

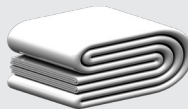


1 x Long Fold

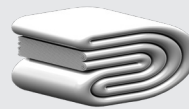


2 x Long Fold

##### Crossfolding



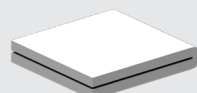
2 x Crossfold



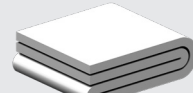
3 x Crossfold

#### Unifold 3

##### Primary folding



1 x Long Fold

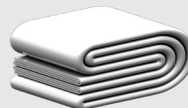


2 x Long Fold

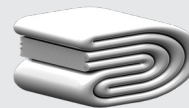


3 x Long Fold

##### Crossfolding



2 x Crossfold

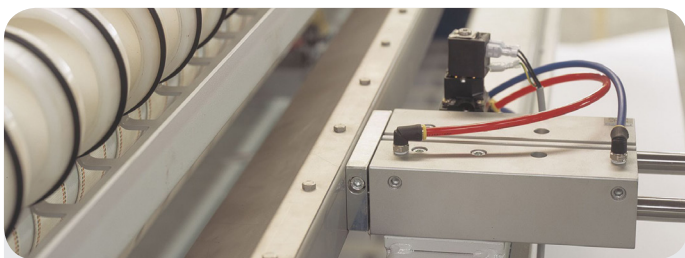


3 x Crossfold

# FOLDERS SUPERFOLD

## FIRST CLASS FOLDING WITH KNIVES

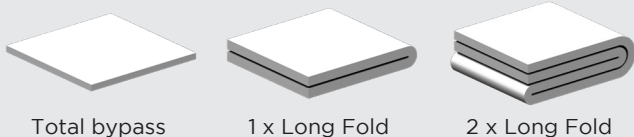
Knife folding is standard on all primary and cross folds. This provides a clear and precise fold of consistent quality, regardless the item's thickness or quality. This makes the Superfold the ideal machine for your high quality work, such as table linen and pillow cases. The stacker has a pneumatic pressing station, producing nicely pressed packages of linen.



### FOLDING PATTERNS

#### Superfold 2

##### Primary folding

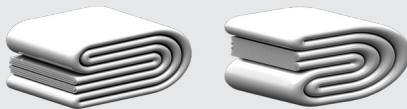


Total bypass

1 x Long Fold

2 x Long Fold

##### Crossfolding

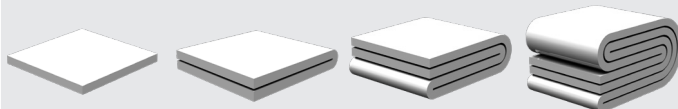


2 x Crossfold

3 x Crossfold

#### Superfold 3

##### Primary folding



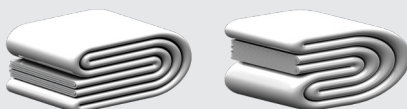
Total bypass

1 x Long Fold

2 x Long Fold

3 x Long Fold

##### Crossfolding



2 x Crossfold

3 x Crossfold

## FIRST CROSS FOLD - AUTOMATIC CENTERING

The first cross fold rollers have the automatic centering functionality. They will position the items so that the cross folds are always centered or positioned like you programmed. This allows you to use a cross fold without the need of an automatic feeder to center the items.



Automatic centering

## AUTOMATION AND FLEXIBILITY

The functions 'Automatic Lane Coupling' (ALC) for small piece primary folding and 'Automatic Fold Selection' (AFS) are standard features on the Superfold. This allows you to process a wide variety of items without the need for frequent program changes or even sorting before the ironing process.

## ROLL-OFF STACKER

The roll-off stacker carefully lays down the folded item onto the output conveyor, preventing any loss of quality when the linen leaves the folder.

Before a package of linen is taken off by the operator, a pneumatic system gently presses the folded pile to a nice package.



Roll off stacker



# FOLDERS OPTIONS

	Unifold	Superfold	Starfold
Working width larger than 3300 mm	O	O	O
Primary folding in 2 lanes <sup>(1)</sup>	O	O	O
Primary folding in 3 lanes <sup>(1)</sup>	O	O	O
Primary folding in 4 lanes <sup>(1)</sup>	O	O	O
High-low pressure selection for air blasts	O	-	O
Stained and torn item reject system	O	O	O
Stained and torn push buttons in front of ironing line	O	O	O
Additional display mounted on the ironer	O	O	O
Longer feeding conveyor	O	O	O
Stacker left/right <sup>(2)</sup>	O	O	-
Double stacker	O	O	-
Exit conveyor returning to feed side	O	O	-
Knife folding on first primary fold	O	-	-
Complete bypass <sup>(3)</sup>	O	S	O
Anti-static bar	O	O	O
Walkway with ladder	S	S	O

S = standard, O = option, - = not available

**<sup>(1)</sup> Primary folding in multiple lanes**

All Lapauw ironers are equipped with the automatic lane coupling feature.

**<sup>(2)</sup> Stacker left/right**

You can select the stacker position free of cost, just confirm it with the order.

**<sup>(3)</sup> Complete bypass**

Complete bypass is free of cost on Unifold 2



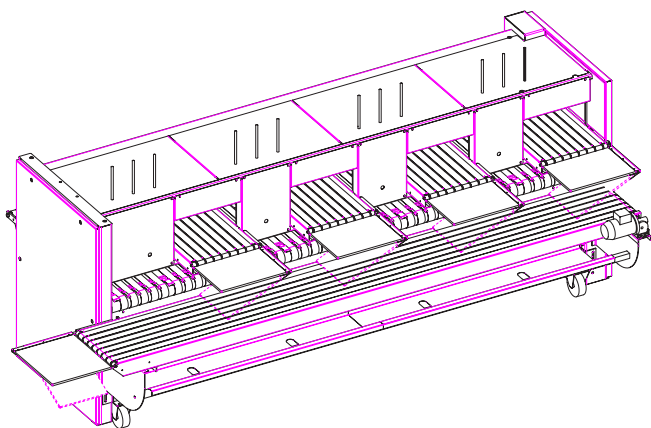
# FOLDERS STACK & FOLD

The Stack & Fold is the Lapauw small piece folding and stacking solution.

The modular Stack & Fold can be combined with the Lapauw Unifold, Superfold and Starfold. The Stack & Fold offers independent small piece stackers in 3 and 4 lanes, while each stacker also provides a single cross fold by knife.

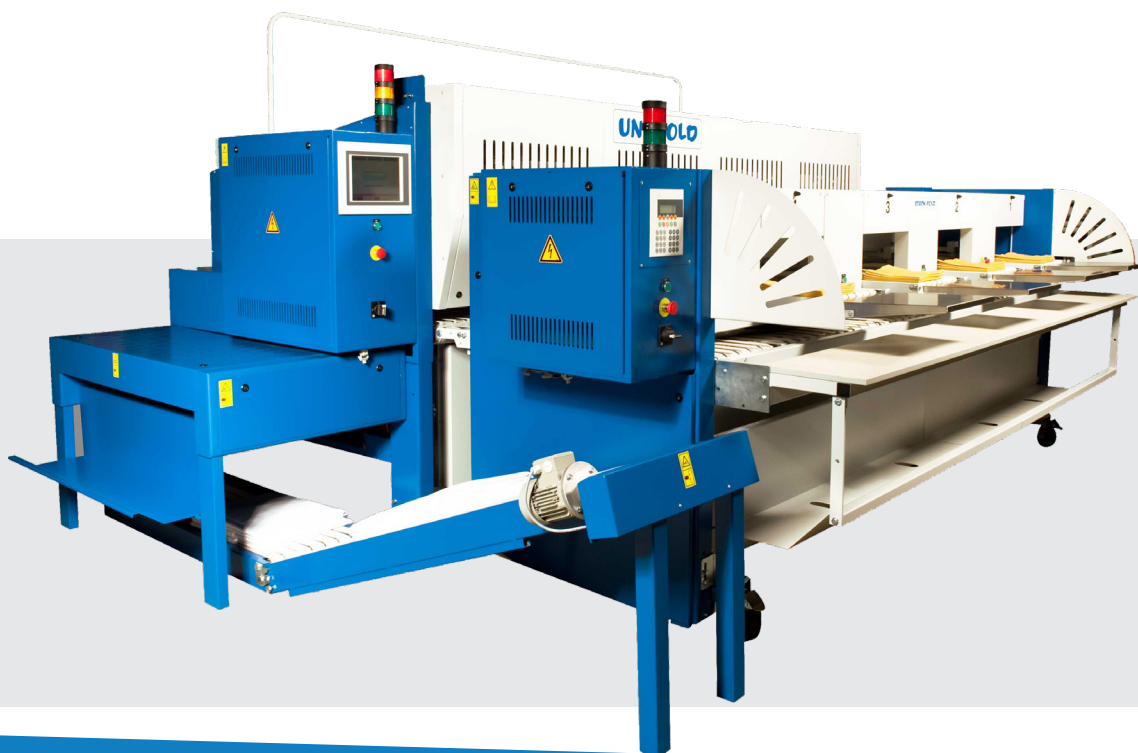
## THE COMPACT SOLUTION

As the Stack & Fold synchronizes with the Lapauw folder range, it profits maximally from the automatic lane coupling feature and needs no primary fold section. Therefore, the Stack & Fold is one of the most compact small piece folding and stacking units on the market.



## FLEXIBILITY

The Lapauw Stack & Fold can be foreseen with a conveyor system adapted to your needs.



# FOLDERS FOLDPRO

## FOLDS, SORTS, STACKS AND COUNTS THE LAUNDRY PIECES

The FOLDPRO automatically sorts up to three different sizes of pieces by their length, folds them according to the selected program, stacks them in three separate piles, and ejects the piles when the proper number per stack is reached. The FOLDPRO first performs a lateral half fold on each piece, followed by none, one or two crossfolds, depending on the length and the folding program. It can automatically adjust the folded size for varying sized pieces, or fold all pieces with the same end-size.

The width of the lateral fold is determined by adjustable skis. Pieces are folded by mechanical sliders around the skis to form the french fold. Crossfolds are done by knives and reversing belts. Stacking is done by stopping the belts on the exact position and dropping the piece onto the correct pile.



### FOLDING PROCESS

#### Feeding

On running belts or by pushing the start button.

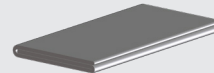
#### Primary folding



Total bypass



Lateral Fold 1/2



Lateral Fold 1/3

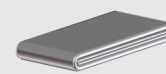


Fixed Size

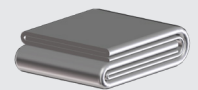
#### Crossfolding



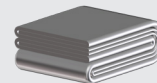
Total bypass



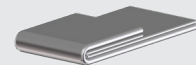
Crossfold 1/2



Crossfold 1/3



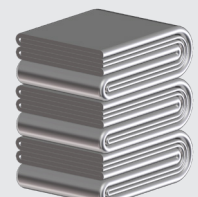
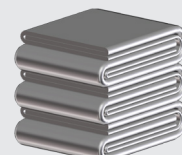
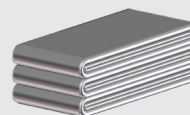
Crossfold 1/4



Fixed Size

#### Stacker

Up to three positions for sorting available.



# IRONING SOLUTIONS MORE KEY BENEFITS

## SIEMENS: PROGRAMMING MADE EASY

### Intuitive system

The intuitive system eases up programming, machine synchronization and operation.

### Service everywhere, any time

The system can be connected to the internet to provide you with a direct service from Lapauw on the machine.

### Maximum flexibility

The unit has room for up to 100 programs, more than enough for all kinds of programs for the need of any client. Adding an extra screen, copy programs for your other machines, all is possible.



## MAINTAINING THE LOWEST TOTAL COST OF OWNERSHIP

Total Cost of Ownership (TCO) or how Lapauw helps you to keep your revenues high.

Nowadays, investing in laundry machinery involves a lot more than just the purchase price. As the machine must make money in a very competitive business, the TCO has gained in importance.

We invest a lot to offer our customers machines that keep the TCO to an absolute minimum. To achieve this, we have 3 programs:

### 1. **Constant product innovation:**

One of the main points where money can be saved or won is with machine efficiency. This can only be achieved through constant innovation, something that Lapauw invests heavily in.

### 2. **Low maintenance machines:**

Accessibility and ease of maintenance are key words in reducing operational costs. So Lapauw is dedicated to simplify machine construction.

3. Last but not least, Lapauw maintains an **'open spare parts philosophy'**. Spare parts can be extremely expensive, especially when spare parts are shielded and can only be purchased from the machine manufacturer. Lapauw provides full transparency, allowing the customer the freedom to buy his spare parts where he gets the best conditions. Nevertheless, we maintain an elaborate stock of the most common spare parts.

Contact us or one of our distributors for more information.



# LAPAUW PRODUCT OVERVIEW

## WASHING SOLUTIONS: WASHER EXTRACTORS & TROLLEY WASHERS



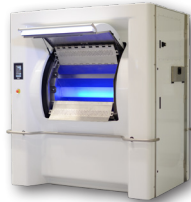
**OPEN POCKET  
WASHER  
EXTRACTOR**

60, 100, 120, 160, 200, 300 kg with frontal loading.



**3 POCKET  
WASHER  
EXTRACTOR**

60, 100, 160, 200, 300, 400 kg with frontal loading.



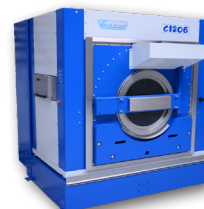
**MEDIWAVE  
WASHER  
EXTRACTOR**

60, 80, 110 kg with side loading. Barrier Washer.



**PULLMAN  
WASHER  
EXTRACTOR**

40, 60, 80, 110, 160, 200, 260 kg with side loading. Barrier Washer.



**TOPLOADER  
WASHER  
EXTRACTOR**

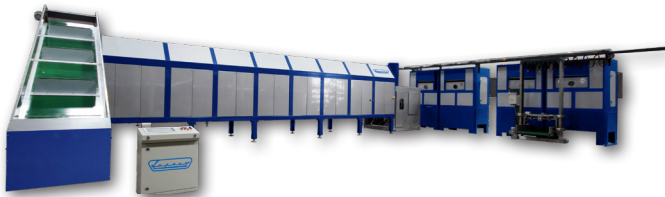
120, 160, 200 kg with toploading & frontal unloading.



**TROLLEY-  
WASH**

Disinfection, washing & drying. Multiple executions possible.

## TUNNEL WASHING SOLUTIONS



### TUNNEL WASHING SOLUTIONS

40, 50, 60, 75, 100, 120 kg batch sizes with different sizes of dryers and presses up to 56 bar pressure.

## IRONING SOLUTIONS: FEEDERS



**UNIFEED**

Independent vacuum feeder for small items.



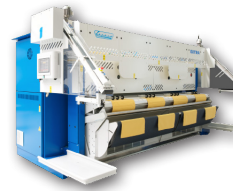
**STARFEED**

Small piece feeding unit for high quality manual feeding.



**STARFEED+**

One feeding station, one lane, up to 250 items per hour.



**EXTRA**

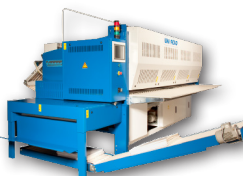
Two stations cornerless feeding, up to 750 items per hour.



**UNIX**

3-4 feeding stations, 1-2 lanes, up to 1800 items per hour with manual feeding.

## IRONING SOLUTIONS: FOLDERS



**UNIFOLD**

Universal folder with 2 to 3 primary folds by air and 2 to 3 cross folds by knife in multiple lanes with drop stacker.



**SUPERFOLD**

High quality folder with 2 to 3 primary folds and 2 to 3 cross folds by knife with automatic correction in multiple lanes & roll off stacker.



**STARFOLD**

Cos effective folder with 2 to 3 primary folds by air in multiple lanes. The Starfold is the ideal single roll folder.



**STACK&FOLD**

Small piece folding & stacking, in multiple lanes. One cross fold + stacking.



**FOLDPRO**

Flexible folder which folds, sorts, stacks and counts all kinds of towels.



## IRONING SOLUTIONS: IRONERS



### CLASSIC STEAM

This is the standard Lapauw ironer, available in different diameters and with up to 3 rolls



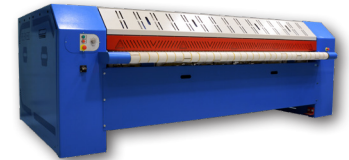
### CLASSIC GAS

The classic gas ironer is the most efficient, heavy duty, high capacity, gas heated ironer on the market.



### XXL

- Ø 1600 mm.
- Gas or steam heated.
- Chest covers roll over 286°.



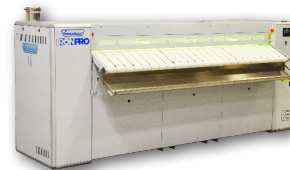
### RELAX

Double roll Ø 800 mm steam heated ironer, perfect for basic ironing.



### IRONMAX

With innovative features like a new chest design and parallel oil flow pattern, the **IRONMAX** is a new standard.



### IRONPRO

Brings the industrial quality & technology to the OPL and smaller laundries. Roll diameters of 500, 600 & 800 mm.

## GARMENT SOLUTIONS



### HOT STREAM TUNNEL FINISHER

Available in Mono & Duo, both gas or steam heated.

- Mono: T1 - T6: 150 - 1000 items/hour.
- Duo: T2 - T6: 750 - 2000 items/hour.

### CONVEYOR SYSTEM

Ultra compact and flexible garment handling system with capacity up to 2000 items/hour. Endless chain system transports garments shoulder-to-shoulder.

### GARMENT FOLDER

Garment folder with capacity of 800 items/hour and one primary fold & 2 cross folds. Modular robotic system which handles any type of hanger available.

## CLEANROOM SOLUTIONS



### MEDISTREAM

First 100% cleanroom dryer, highly complementary with the Lapauw Mediwave. Keywords: ergonomics, hygiene and user-friendliness.

### MEDIWAVE

Double sided Barrier washer with 2 compartments. Front cover exists out of Glass Reinforced Polymer, which is used in cleanrooms.



**LAPAUWINTERNATIONAL**

OUDE IEPERSEWEG 139  
8501 HEULE, BELGIUM

TEL. +32 (0)56 35 42 95  
FAX. +32 (0)56 35 45 59  
INFO@LAPAUW.BE  
WWW.LAPAUW.BE



# WASHING SOLUTIONS

INFORMATION BROCHURE



# WASHING SOLUTIONS

INFORMATION BROCHURE





BEYOND INNOVATION



## WASHING SOLUTIONS INFORMATION BROCHURE

LAPAUW THROUGHOUT THE WORLD	7
SHAPING LAUNDRY TECHNOLOGY	9
OVERVIEW	10
3 POCKET FRONTAL WASHER EXTRACTOR	12
OPEN POCKET WASHER EXTRACTOR	16
TOPLOADER WASHER EXTRACTOR	19
MEDIWAVE WASHER EXTRACTOR	20
PULLMAN WASHER EXTRACTOR	22
MORE KEY BENEFITS	24
OPTIONS	25
TROLLEY-WASH	26
PRODUCT OVERVIEW	28



**It is paramount for every laundry that the transportation of linen is a swift and fluent process**

## LAPAUW THROUGHOUT THE WORLD

### WORLDWIDE LAPAUW FACTORIES, OFFICES AND REPRESENTATIVES

Lapauw has a worldwide network of factories, offices and representatives to serve its customers with the professionalism that is required. All dealers have a warehouse with the most common parts and all spare parts are always on stock at Lapauw for a 24 hr service.

Your closest local Lapauw partner can be found on our website [www.lapauw.be](http://www.lapauw.be)

 **FACTORIES**  **OFFICES**  **REPRESENTATIVES**



### TOTAL LAUNDRY SOLUTIONS

Discover our other solutions in our other brochures respectively. Contact us for more information.

[WWW.LAPAUW.BE](http://WWW.LAPAUW.BE)



# LAPAUW - SHAPING LAUNDRY TECHNOLOGY

Since the mid 20th century, Lapauw has shaped laundry technology.

Did you know that the flexible chest technology is in fact a Lapauw invention? And the “steamless laundry” concept would not even exist if it wasn’t for the gas heated ironers, a technology that saw the light in the Lapauw factory, in 1995. Ever since the very first ironer, in 1950 (with flexible chest), Lapauw has been on the vanguard of laundry technology, as Lapauw always adopted an “out of the box” approach to the specific challenges that come with laundry machinery.

Today, Lapauw manufactures a wide range of laundry equipment :

- Lapauw is one of the few manufacturers of heavy duty washer-extractors.
- Lapauw has the widest range of ironers, all of them equipped with the flexible chest\* technology.
- Lapauw complements its ironers with a full range of feeders and folders.
- The Hot Stream tunnel finisher is well reputed for the first class finishing quality it delivers.
- The Lapauw Trolley Washer takes care of trolleys or even disinfects hospital beds.
- Lapauw offers complete tunnel washing solutions, including press and dryers.

But most important of all, owners of the more than 8.000 machines sold in over 40 countries know the Lapauw machines as highly efficient, robust machines that assure the lowest operational cost.

\* thin/thick



## INNOVATION

Lapauw invests heavily in R&D. The aim is not just to innovate, but to go beyond innovation by creating benefits for the customer. When developing new machines, we care about improving efficiency, ergonomics and environmental footprint.

The R&D team is located in the factory in Kortrijk, where they stay in close contact with the sales and manufacturing teams. This allows them to keep a finger on the pulse of laundry business and maintain a “hands-on” approach to Research and Development.



## QUALITY MANAGEMENT

Having obtained the ISO 9001:2015 certificate in 2018, Lapauw is one of the very few laundry machinery manufacturers that can put the ISO seal on its official documents. A seal that is worldwide recognized as a symbol of “business excellence”.

With ISO 9001:2015, we go beyond just the quality of the machines and take quality management into the whole process: from the moment we pick up the phone to the after sales and shipments of spare parts, assuring that our customers are served with the highest level of professionalism.



## SERVICABILITY

As the Total Cost of Ownership of laundry machines becomes more important, Lapauw goes to great efforts to keep the maintenance and operational costs of the machines to a minimum.

Through our network of distributors and Lapauw offices on every continent, we stay very close to our end users in hotels, hospitals and laundries, assuring them close support and short reaction times.

The simple, robust construction of the machines and the “Open Spare Parts” philosophy assure high reliability rates and minimum maintenance costs.



**“BEYOND INNOVATION”  
THESE 2 WORDS ARE MORE THAN A  
SLOGAN, AS THEY RETURN TO THE 3  
CORNERSTONES OF OUR PHILOSOPHY.**

# WASHING SOLUTIONS OVERVIEW

## FRONTAL WASHER

### 3 POCKET FRONTAL WASHER EXTRACTOR

The 3-compartment design divides the load into 3 equal, separated compartments, preventing large items from getting entangled. This assures higher operator comfort and faster preparation times at flatwork finishing side. This is the reason why hotel laundries favor the Combi 3-compartment.



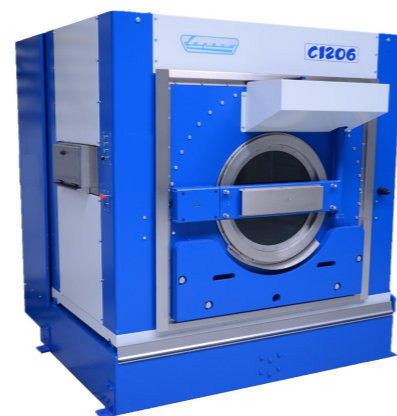
### OPEN POCKET WASHER EXTRACTOR

The Lapauw open pocket washer extractor offers you an industrial solution to all your heavy-duty needs. Traditional laundry factories, factories specialized in mat washing and even the stonewash and dyeing industry are well acquainted with the Lapauw open pocket washers. The open pocket washers are frequently used to wash garments and towels as well as the traditional linen.



### TOPLOADER

A top loading washer extractor is much more than just a washer. Thanks to the automatic top loading concept, the Lapauw Top Loading washer extractor can easily be integrated into any automatic washing line with monorail bag system. Moreover, the Top Loading washer extractor adds flexibility and quality to lines where various types of work, soiling and materials are processed, like workwear. The Lapauw Toploader can also be built in as barrier solution.



## BARRIER WASHER

### PULLMAN

Besides the Mediwave, Lapauw also offers the stainless steel version of the barrier washer: The Pullman. The Lapauw Pullman is our side loaded machine and is available in a wide range and with both 2 or 3 compartments.

This washer is available as either standard version or medical version.



### MEDIWAVE PAT.NO 9,783,919

The Mediwave takes barrier washer design to a whole new level. Thanks to the GRP covers, instead of stainless steel, the Mediwave is the cleanest, most hygienic machine on the market. But cleanliness is not the only thing that Lapauw tackled with the Mediwave. With the redesigned drum access and intuitive control system, the Mediwave is the most ergonomic washer on the market.

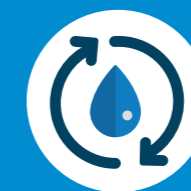
The Mediwave is the next generation barrier washer, adapted to operate in any environment where the strictest hygienic standards rule, from hospital laundries to cleanrooms.



## TROLLEY-WASH

### TROLLEY-WASH

Originally designed to disinfect laundry trolleys and hospital beds, the Trolley-Wash has earned its reputation as a universal wash- and disinfection unit. Thanks to an elaborate package of accessories and options, the Trolley-Wash can be adapted to wash and disinfect almost everything, from trolleys to hygienic containers and even gasmasks.



### WATER RECOVERY

Every Lapauw washer is already prepared for future water recovery when it leaves the factory. Lapauw also offers an extended range of options, from a recuperation pump to connect a central unit to recuperation tanks, mounted on top of the washer.

# WASHER EXTRACTORS

## 3 POCKET FRONTAL

### OPTIMIZING LAUNDRY EFFICIENCY

Due to the mechanical movement of the drum, sheets get tangled in open pockets, and especially on the large drum volumes. The split pocket washer separates the load in smaller batches, and as a result, the sheets get less entangled. This assures easier unloading and more efficient handling between washer and finishing line.

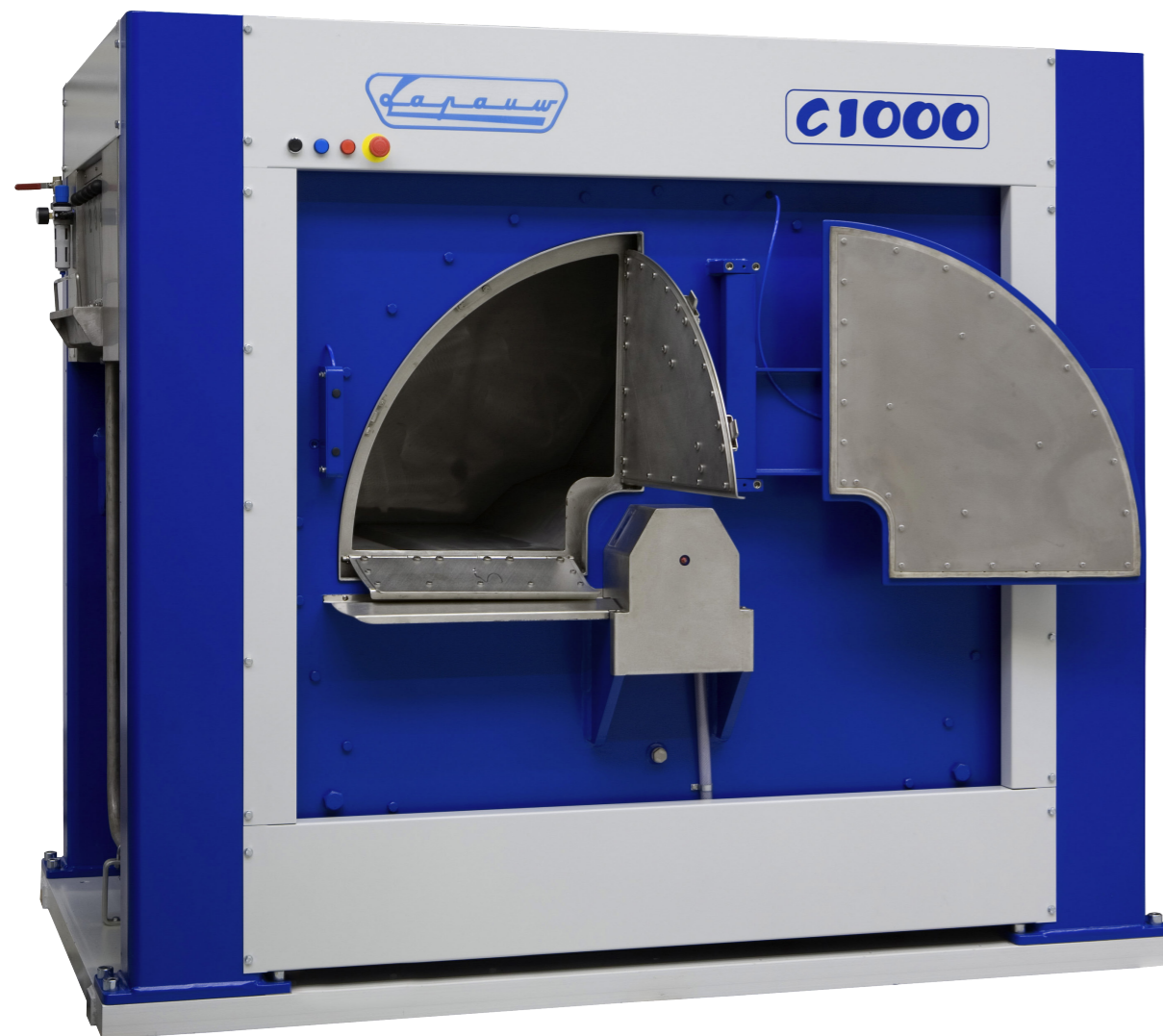
### LARGE DOOR OPENING

With 3.000 to 3.500 cm<sup>2</sup>, the Lapauw 3 pocket washer line offers one of the largest drum access openings for split pocket machines on the market.

This assures a high productivity and an efficient handling of even large volumes of linen. The compartment positions itself automatically to always assure a perfect alignment between the compartment and the outer door.

### INNER DOOR SECURITY

A security component is installed to prevent the outer door from being closed when the inner door is not properly shut. This way, it is not possible to start the machine without the doors being properly locked.



### BEARING SYSTEM

The drum is held in place by heavy duty roller bearings on the front and back of the machine. The bearings are mounted outside and independently from the drum, avoiding any contact with water and assuring easy maintenance.

### UNIQUE SUSPENSION

Instead of resting on shock absorbers, the drum is positioned on the suspension system, which always stabilizes the drum in the middle and assures a natural balance. This durable and easy to maintain system consists of 4 units with springs in an oil bath.

### BRAKE SYSTEM

The machine is equipped with two brake systems. One of them is the main brake system used after extraction and the second is a security brake used to avoid movement of the drum during loading and unloading of the machine. The main brake is self aligning and both brakes have an easy replaceable brake strip.

### SINGLE MOTOR DRIVE

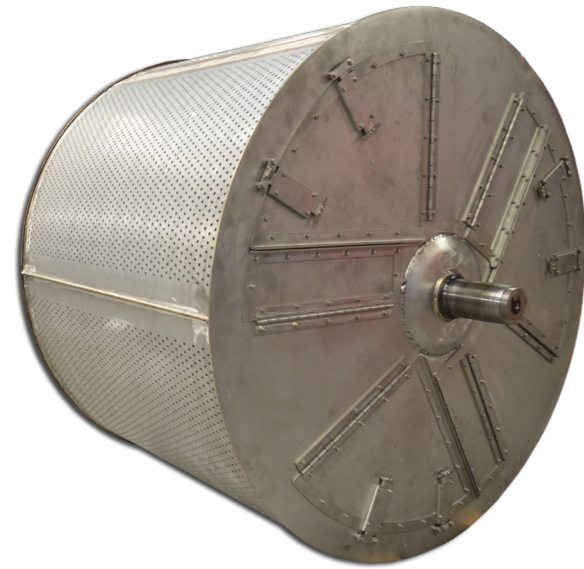
The single motor drive with frequency converter assures high efficiency and an unlimited choice in speeds, even on the largest capacity machines.



(Top) Inner door security  
(Middle) Single drive motor  
(Bottom) Bearing system  
(Right) Rear view of machine

## HEAVY DUTY

Lapauw washers are built to last. Both the inner and outer drum are made of AISI 304 stainless steel of 4 mm thickness, all with continuous welding. Steel with a thickness of 20 mm is used to construct the front and back of the outer drum, covered by 1 mm stainless steel on the inside.



## SOAP DISPENSER UNIT

A composite is used to manufacture the soap dispenser unit that can handle all kinds of liquid and powder products. The dispenser has as standard 5 supply reservoir: 2 for liquid products and 3 for powder products.

On the machine, there is also a central connection point for external liquids that is programmable from the Lapauw PLC (10 digital signals).



## TECHNICAL SPECIFICATIONS

		C660	C1000	C1600	C2000	C3000	C4000
Loading capacity	kg	60	100	160	200	300	400
Compartments	#	3, Frontal loading	3, Frontal loading	3, Frontal loading	3, Frontal loading	3, Frontal loading	3, Frontal loading
Drum volume	liter	663	1.061	1.625	2.031	2.944	3.917
Drum diameter	mm	1.300	1.300	1.500	1.500	1.830	1.830
Drum Depth	mm	500	800	920	1.150	1.120	1.490

## POSSIBLE VERSIONS

	C660	C1000	C1600	C2000	C3000	C4000
Standard	✓	✓	✓	✓	✓	✓
Medicare	✓	✓	✓	✓	✓	✓



# WASHER EXTRACTORS

## OPEN POCKET

### THE REAL HEAVY DUTY MACHINE

Up to the latest detail, our washer extractors are designed to be the true heavy duty partner. The inner and outer drum are all in stainless steel (AISI 304) and have a thickness of 4 mm. The framework has a thickness of 20 mm. This assures that the Lapauw Open Pocket washer is designed to withstand the high forces that come with heavy loads, making the Lapauw Open Pocket washer the best choice even for the toughest jobs out there, like processing mats and marquees.



*Dyeing version of the Open Pocket*

### BEARING SYSTEM

The drum is held in place by heavy duty roller bearings on 2 points of the shaft, which assures a stable operation and long bearing life cycles.

The bearings are mounted outside and independently from the drum, avoiding any contact with water and assuring easy maintenance.

### UNIQUE SUSPENSION

Instead of resting on shock absorbers, the drum is positioned on the suspension system, which always stabilizes the drum in the middle and assures a natural balance. This durable and easy to maintain system consists of 4 units with springs in an oil bath.

### LARGE DOOR WITH PNEUMATIC OPENING (OPTION)

The door opening on the Lapauw Open Pocket washers is big, assuring unlimited access to the drum.

The pneumatic system assures that the door fully opens and is held in an open position.

### SINGLE DRIVE MOTOR

The single motor drive with frequency converter assures high efficiency and an unlimited choice in speeds, even on the largest capacity machines.

### ALSO AVAILABLE IN STONEWASH AND DYEING VERSION

Thanks to its robustness, the Lapauw washer extractor is well known to the stonewash and dyeing industry.



**NORMAL**



**TILTING**



**UNLOADING**



### CONSISTENT TILTING

The Lapauw Open Pocket range is available with optional one way forward tilting or two way forward and backward tilting. The integral system allows the machine to tilt 12° backwards and 19° forward, for easy loading and unloading.

*The Lapauw Open Pocket is your perfect heavy duty partner, for washing mats for example.*

# WASHER EXTRACTORS

## TOPLOADER

### TECHNICAL SPECIFICATIONS

		C1001	C1201	C1601	C2201	C3301	C3501	C5001
Loading capacity	kg	100	120	160	220	330	350	500
Tilting	-	Option	forward & backward	forward & backward	forward & backward	forward & backward	forward & backward	forward & backward
Drum volume	liter	1.061	1.194	1.606	2.206	3.301	3.542	4.959
Drum diameter	mm	1.300	1.300	1.460	1.660	1.900	1.900	1.900
Drum depth	mm	800	900	960	1.020	1.165	1.250	1.750

### POSSIBLE VERSIONS

	C1001	C1201	C1601	C2201	C3301	C3501	C5001
Fixed	✓	✓	✓	✓	✓	✓	✓
Front tilt	✓	✓	✓	✓	✓	✓	✓
Barrier	✗	✓	✓	✓	✗	✗	✗
Front tilt	✓	✓	✓	✓	✓	✓	✓
Two way tilt	✗	✓	✓	✓	✓	✓	✓
Toploading	✗	✓	✓	✓	✗	✗	✗

### WIDE RANGE

From 120 kg up to 220 kg washing capacity, Lapauw offers the top loading washer extractor in a very wide range.

### AN ADDITION TO TODAY'S LAUNDRY

The Lapauw Toploader washer extractor is much more than just a washer. Thanks to the automatic toploading concept, the Lapauw Toploader washer extractor can be integrated into any automatic washing line with a monorail bag system. Moreover, the Toploader washer extractor adds flexibility and quality to lines where various types of work, soiling and materials are processed, like workwear.

### PROVEN TECHNOLOGY

The Toploader is everything except unknown terrain. We combined well known and proven technology: the framework of the Open Pocket Washer Extractor, with the inner door of the Pullman Washer Extractor, a combination that always works flawlessly.

### FLEXIBLE AUTOMATION

With the bag loading system and the tilting system, the Lapauw Toploader is capable of operating fully automatic.

### A HYGIENIC BARRIER SOLUTION

With automatic toploading and tilt-unloading, the Lapauw Toploader washer is the hygienic solution for Open Pocket washers.

### TECHNICAL SPECIFICATIONS

		C1206	C1606	C2206
Loading capacity	kg	120	160	220
Tilting	19°	forward	forward	forward
Drum volume	liter	1.200	1.600	2.200
Drum diameter	mm	1.300	1.460	1.660
Drum depth	mm	900	960	1.020



# WASHER EXTRACTORS MEDIWAVE

Pat.no 9,783,919

## CLEANROOM ON THE NEXT LEVEL

The Mediwave takes barrier washer design to a whole new level. Thanks to the GRP covers, instead of stainless steel, the Mediwave is the cleanest, most hygienic machine on the market. But cleanliness is not the only thing that Lapauw achieved with the Mediwave. With the redesigned drum access and intuitive control system, the Mediwave is the most ergonomic washer on the market.

## GRP - THE NEXT LEVEL IN HYGIENE

The Lapauw Mediwave is the first industrial barrier washer on the market that uses Glass fiber Reinforced Polymer (GRP) for the front and back cover, a high quality material known for its excellent hygienic properties.

- absence of seams and sharp angles mean dirt and bacteria build up is impossible.
- GRP is chemically inert, thus very easy to clean and corrosion free, no matter what detergent is used.
- The white paint used on the GRP covers is enhanced with an anti-bacterial substance, titanium dioxide, giving the GRP covers self-cleaning properties.

## FROM HOSPITAL LAUNDRY TO CLEAN ROOM

The GRP covers assure that the Mediwave can be used in even the strictest environments but this machine takes hygiene further than the surface. We offer a whole range of accessories and options to meet your requirements and demands concerning hygiene and cleanliness. From plugs to take sample water or connect a PH-measurement system to an air tight seal and over pressure connection, that is required in clean room environments.

## OPTIMIZING EFFICIENCY

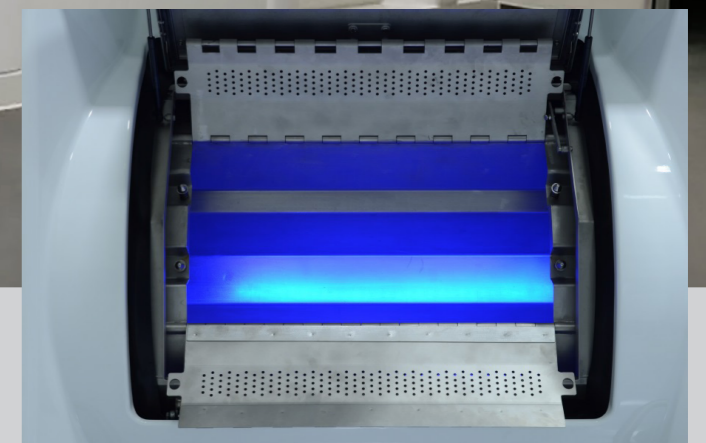
In today's laundry, energy and operational efficiency are paramount. The Mediwave offers an extended range of features to increase efficiency in key points :

- The specially shaped drum and carefully located soap injection system in the drum assure optimal distribution of the detergents in the bath.
- The drum is suspended in high mounted, pneumatic shock-absorbers, allowing the drum to rest in a natural balanced position and, thus, minimizing unbalances.
- The dynamic water level measuring system, combined with the automatic weighing system (option) provides optimal control of the water consumption, detergents and even the residual moisture.

## TRACEABILITY

Where hygiene and cleanliness are involved, traceability is very important. The Siemens microprocessor control system allows you to log and store all relevant parameters per individual washing cycle, from temperatures to water levels and cycle times.

The Lapauw Mediwave also has a built-in LED signalization. This versatile LED unit allows the Mediwave to go beyond just indicating whether its working or not but is able to represent its full status.



(Top) Pneumatic shock-absorber  
(Middle) LED-unit on the mediwave  
(Bottom) Ergonomics is an important part of the machine.

# WASHER EXTRACTORS PULLMAN

## CLASSIC STAINLESS STEEL VERSION OF THE MEDIWAVE: LAPAUW PULLMAN



### LAPAUW PULLMAN RANGE COVERS CAPACITY DEMAND

From 60 kg up to 260 kg. With this vast range, Lapauw offers a hygienic barrier solution for every customer, whether it's a private clinic or a large hospital laundry.

### 2 POCKET AND 3 POCKET VERSIONS: ANY TYPE OF APPLICATION POSSIBLE

The Lapauw Pullman range is available in 2 and 3 pocket versions, assuring you the best solution for any application. 3 pockets offers efficiency and ease for large flatwork like sheets. The 2 pocket drum provides private hospitals and health resorts with the optimal solution to treat a wide range of items, from sheets to the residents private wash.

## TECHNICAL SPECIFICATIONS

		Mediwave				
		Pullman				
		C600	C800	C1100	C1600	C2000
Loading capacity	kg	60	80	110	160	200
Compartment-ments	#	2 or 3	2 or 3	2 or 3	3	3
Drum volume	liter	604	787	1.135	1.595	1.946
Drum diameter	mm	1.080	1.080	1.080	1.250	1.350
Drum depth	mm	660	860	1.240	1.300	1.360



Pullman machines  
in laundry Prisma in Belgium

# WASHER EXTRACTORS MORE KEY BENEFITS

## USERFRIENDLY CONTROL UNIT

### INTUITIVE SYSTEM

The intuitive system eases up programming and setting up the washing programs for the operator.

### MAXIMUM FLEXIBILITY

The unit has room for up to 50 programs of 30 steps each. This is more than enough room for all your washing programs, but also offering you maximal flexibility to create the optimal washing conditions, including intermediate extraction.

### FLEXI-SPEED: OPTIMAL SPEED SETTINGS

The drive system, with frequency controlled drive motor, offers you full control over the wash-, rinse- and extraction speeds.

## MAINTING THE LOWEST TOTAL COST OF OWNERSHIP

Total Cost of Ownership (TCO) or how Lapauw helps you to keep your revenues high.

Nowadays, investing in laundry machinery involves a lot more than just the purchase price. As the machine must make money in a very competitive business, The TCO has gained in importance.

We, from Lapauw, invest a lot to offer our customers machines that keep the TCO to an absolute minimum. To achieve this, we have 3 programs:

- **Constant product innovation:** One of the main points where money can be saved or won is with machine efficiency. This can only be achieved through constant innovation, something that Lapauw invests heavily in.
- **Low maintenance machines:** Accessibility and ease of maintenance are key words in reducing operational costs. So Lapauw is dedicated to simplify machine construction.
- Last but not least, Lapauw maintains an **'open spare parts philosophy'**. Spare parts can be extremely expensive, especially when spare parts are shielded and can only be purchased from the machine manufacturer only. Lapauw provides full transparency, allowing the customer the freedom to buy his spare parts where he gets the best conditions. Nevertheless, we maintain an elaborate stock of the most common spare parts.

Contact us or one of our distributors when you want more info.

# WASHER EXTRACTORS OPTIONS

## AUTOMATIC WEIGHING SYSTEM

With the automatic weighing system, you automatically and precisely adapt the precise amounts of water, steam and detergents. It even also allows you to control the residual moisture. (Only for Mediwave)

## ADDITIONAL WATER INLET VALVE

Each Lapauw washer extractor is equipped with 2 water inlet valves. A third water inlet valve can be added.

## AUTOMATIC DOORS ON MEDIWAVE

This option allows you to open the outer doors of the Mediwave with a simple push of the button.

## USAGE OF OZONE

Ozone not only disinfects, but it also reduces energy consumptions because it enhances the washing performance of the detergents.

## WATER FLOW METER

The water flow meter allows you to control the water consumption with pinpoint accuracy.

## SECOND SCREEN ON MEDIWAVE

## WATER RECOVERY

Lapauw offers an extensive range of water recovery features on its washer extractors.

Every Lapauw washer leaves the factory with a water recovery plug that is mounted on the drain, allowing the washer to be connected to any water recovery system, whether it is new or existing. Optional custom built water recovery tanks allow you to equip your Lapauw washer extractor with a stand-alone water recovery system, even when your machine is already in operation.

The microprocessor controller already has the necessary parameter sets to program and manage the recuperation process.



# TROLLEY-WASH

## DESIGNED FOR HYGIENE

Not only is the machine constructed entirely of stainless steel, it is also prepared for integration in a hygienic barrier wall. The Trolley-Wash is standard equipped with a double sided entry/exit. An interlock system prevents both doors from being opened at the same time.

## DRY TO THE TOUCH

In hygienic environments, dryness is a requirement, as moist surfaces promote germ growth. The Lapauw Trolley-Wash has everything in place to assure the trolleys are dry when they leave the cabin. For instance: controlled bursts of compressed air during the drying cycle help to remove the superfluous water. A built in tilting mechanism allows the Trolley-Wash to tilt the trolleys 3° towards the drain to evacuate water from horizontal surfaces.

## FULL DISINFECTION

Whoever says hygiene, says disinfection. Next to a chemical disinfection (adding disinfectants to the washing cycle), the drying cycle also allows you to perform a thermal disinfection by heating the cabin with steam (fully programmable in time and temperature). These functions make the Trolley Wash the optimal choice when it comes down to hygiene.



## TRACEABILITY

The PLC control system allows the user to create different programs while offering full traceability of the entire process. The PLC system has a large, full colour touch screen. This allows the user an “on-the-spot” follow-up of the cycles. Moreover, the PLC stores the data of every washing cycle, allowing the user to issue a cleaning and disinfection report if necessary.

## CLEANING CYCLE

Similar to the Lapauw washer extractors, you can choose between different cleaning cycles when operating the Trolley-Wash. Next to a wash cycle, there’s also a rinse and a dry cycle. The total cycle time can be controlled through the drying cycle.

## PLC CONTROL SYSTEM

The PLC control system allows you to create different programs. A multicolour, LCD touch-screen provides optimal programming conditions and follow-up. An optional small screen at the clean side allows the operator at this side to follow the process as well.

## TECHNICAL SPECIFICATIONS

	1/A	1/B	1	2	3	4
Inner length (mm)	1.440	1.950	2.750	3.750	4.500	5.620
Max. entry door (mm)	1.100 x 1.880	1.100 x 1.880	1.100 x 1.880	1.100 x 1.880	1.100 x 1.880	1.100 x 1.880

# PRODUCT OVERVIEW

## CONVENTIONAL AND CART WASHING SOLUTIONS



### OPEN POCKET WASHER EXTRACTOR



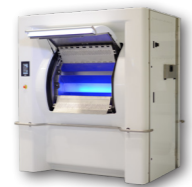
60, 100, 120, 160, 200, 300 kg with frontal loading.

### 3 POCKET WASHER EXTRACTOR



60, 100, 160, 200, 300, 400 kg with frontal loading.

### MEDIWAVE WASHER EXTRACTOR



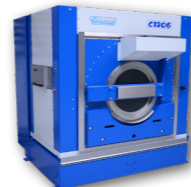
60, 80, 110 kg with side loading. Barrier Washer.

### PULLMAN WASHER EXTRACTOR



40, 60, 80, 110, 160, 200, 260 kg with side loading. Barrier Washer.

### TOPLOADER WASHER EXTRACTOR



120, 160, 200 kg with toploading & frontal unloading.

### TROLLEY-WASH



Disinfection, washing & drying. Multiple executions possible.

## IRONING SOLUTIONS - FEEDERS, IRONERS & FOLDERS

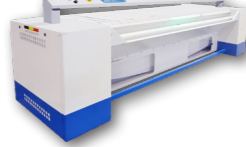


### UNIFEED



Independent vacuum feeder for small items.

### STARFEED



Small piece feeding unit for high quality manual feeding.

### STARFEED+



1 feeding station, 1 lane, up to 250 items per hour.

### EXTRA



2 stations cornerless feeding, up to 750 items per hour.

### UNIX



3-4 feeding stations, 1-2 lanes, up to 1800 items per hour.

### CLASSIC STEAM



The standard Lapauw ironer, available in different diameters and with up to 3 rolls

### CLASSIC GAS



The most efficient, heavy duty, high capacity, gas heated ironer on the market.

### XXL



The largest single roll on the market, 1600 mm chest diameter over 286°.

### IRONMAX



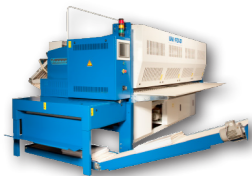
Innovative features like a new chest design and parallel oil flow pattern, a new standard.

### IRONPRO



Industrial quality for OPL and smaller laundries. Roll diameters of 500, 600 & 800 mm.

### UNIFOLD



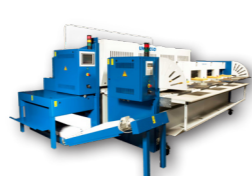
Universal folder with 2 to 3 primary folds by air and 2 to 3 cross folds by knife in multiple lanes with drop stacker.

### STARFOLD



Cos effective folder with 2 to 3 primary folds by air in multiple lanes. The ideal single roll folder.

### STACK&FOLD



Small piece folding & stacking, in multiple lanes. One cross fold + stacking.

### FOLDPRO



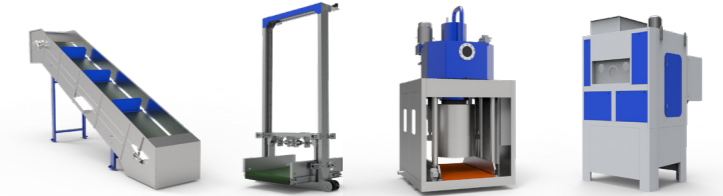
Flexible folder which folds, sorts, stacks and counts all kinds of towels.

## TUNNEL WASHING SOLUTIONS



### TUNNEL WASHING SOLUTIONS

40, 50, 60, 75, 100, 120 kg batch sizes with different sizes of dryers and presses up to 56 bar pressure.



## GARMENT SOLUTIONS



### HOT STREAM TUNNEL FINISHER

Available in Mono & Duo, both gas or steam heated.  
 ■ Mono: T1 - T6: 150 - 1000 items/hour.  
 ■ Duo: T2 - T6: 750 - 2000 items/hour.

### CONVEYOR SYSTEM

Ultra compact and flexible garment handling system with capacity up to 2000 items/hour. Endless chain system transports garments shoulder-to-shoulder.

### GARMENT FOLDER

Garment folder with capacity of 800 items/hour and one primary fold & 2 cross folds. Modular robotic system which handles any type of hanger available.

## CLEANROOM SOLUTIONS



### MEDISTREAM

The world's first dryer specifically designed and approved for cleanroom use. The MediStream is the perfect complement to our world-renowned MediWave.



### MEDIWAVE

Pass-through split-pocket washer-extractor for use in ISO-certified cleanrooms. Ergonomic design with glass-reinforced polymer exoskeleton for the highest level of hygiene.



## GARMENT SORTING SOLUTIONS



## MATERIAL HANDLING SOLUTIONS





Construction of a Toploader in the Lapauw factory in Heule, Belgium



# BEYOND INNOVATION



Oude Ieperseweg 139  
8501 Heule, Belgium

Tel. +32 (0)56 35 42 95  
info@lapauw.be  
www.lapauw.be

Follow us    



# GARMENT SOLUTIONS

INFORMATION BROCHURE



# GARMENT SOLUTIONS

INFORMATION BROCHURE





BEYOND INNOVATION

Hot  
STREAM

subsonic eco tunnel



## GARMENT SOLUTIONS INFORMATION BROCHURE

Lapauw throughout the world	7
Shaping laundry technology	8
The range	10
Overview	12
Key benefits	14
Options	16
Total solutions	17
Product overview	20



The Lapauw garment folder is a universal folder, capable to fold any type of garment

## LAPAUW THROUGHOUT THE WORLD

### WORLDWIDE LAPAUW FACTORIES, OFFICES AND REPRESENTATIVES

Lapauw has a worldwide network of factories, offices and representatives to serve its customers with the professionalism that is required. All dealers have a warehouse with the most common parts and all spare parts are always on stock at Lapauw for a 24 hr service.

Your closest local Lapauw partner can be found on our website [www.lapauw.be](http://www.lapauw.be)

-  **FACTORIES**
-  **OFFICES**
-  **REPRESENTATIVES**



### TOTAL LAUNDRY SOLUTIONS

Discover our other solutions in our other brochures respectively. Contact us for more information.

[WWW.LAPAUW.BE](http://WWW.LAPAUW.BE)



# LAPAUW - SHAPING LAUNDRY TECHNOLOGY

Since the mid 20th century, Lapauw has shaped laundry technology.

Did you know that the flexible chest technology is in fact a Lapauw invention? And the “steamless laundry” concept would not even exist if it wasn’t for the gas heated ironers, a technology that saw the light in the Lapauw factory, in 1995. Ever since the very first ironer, in 1950 (with flexible chest), Lapauw has been on the vanguard of laundry technology, as Lapauw always adopted an “out of the box” approach to the specific challenges that come with laundry machinery.

Today, Lapauw manufactures a wide range of laundry equipment :

- Lapauw is one of the few manufacturers of heavy duty washer-extractors.
- Lapauw has the widest range of ironers, all of them equipped with the flexible chest\* technology.
- Lapauw complements its ironers with a full range of feeders and folders.
- The Hot Stream tunnel finisher is well reputed for the first class finishing quality it delivers.
- The Lapauw Trolley Washer takes care of trolleys or even disinfects hospital beds.
- Lapauw offers complete tunnel washing solutions, including press and dryers.

But most important of all, owners of the more than 8.000 machines sold in over 40 countries know the Lapauw machines as highly efficient, robust machines that assure the lowest operational cost.

\* thin/thick



The Lapauw factory  
in Heule, Belgium

## INNOVATION

Lapauw invests heavily in R&D. The aim is not just to innovate, but to go beyond innovation by creating benefits for the customer. When developing new machines, we care about improving efficiency, ergonomics and environmental footprint.

The R&D team is located in the factory in Kortrijk, where they stay in close contact with the sales and manufacturing teams. This allows them to keep a finger on the pulse of laundry business and maintain a “hands-on” approach to Research and Development.



## QUALITY MANAGEMENT

Having obtained the ISO 9001:2015 certificate in 2018, Lapauw is one of the very few laundry machinery manufacturers that can put the ISO seal on its official documents. A seal that is worldwide recognized as a symbol of “business excellence”.

With ISO 9001:2015, we go beyond just the quality of the machines and take quality management into the whole process: from the moment we pick up the phone to the after sales and shipments of spare parts, assuring that our customers are served with the highest level of professionalism.



## SERVICABILITY

As the Total Cost of Ownership of laundry machines becomes more important, Lapauw goes to great efforts to keep the maintenance and operational costs of the machines to a minimum.

Through our network of distributors and Lapauw offices on every continent, we stay very close to our end users in hotels, hospitals and laundries, assuring them close support and short reaction times.

The simple, robust construction of the machines and the “Open Spare Parts” philosophy assure high reliability rates and minimum maintenance costs.



**“BEYOND INNOVATION”  
THESE 2 WORDS ARE MORE THAN A  
SLOGAN, AS THEY RETURN TO THE 3  
CORNERSTONES OF OUR PHILOSOPHY.**

# GARMENT SOLUTIONS

## THE RANGE

Featuring the Hot Stream garment finishing tunnel in a variety of sizes and configurations for providing the highest quality tunneled garments.

### MONO VS DUO

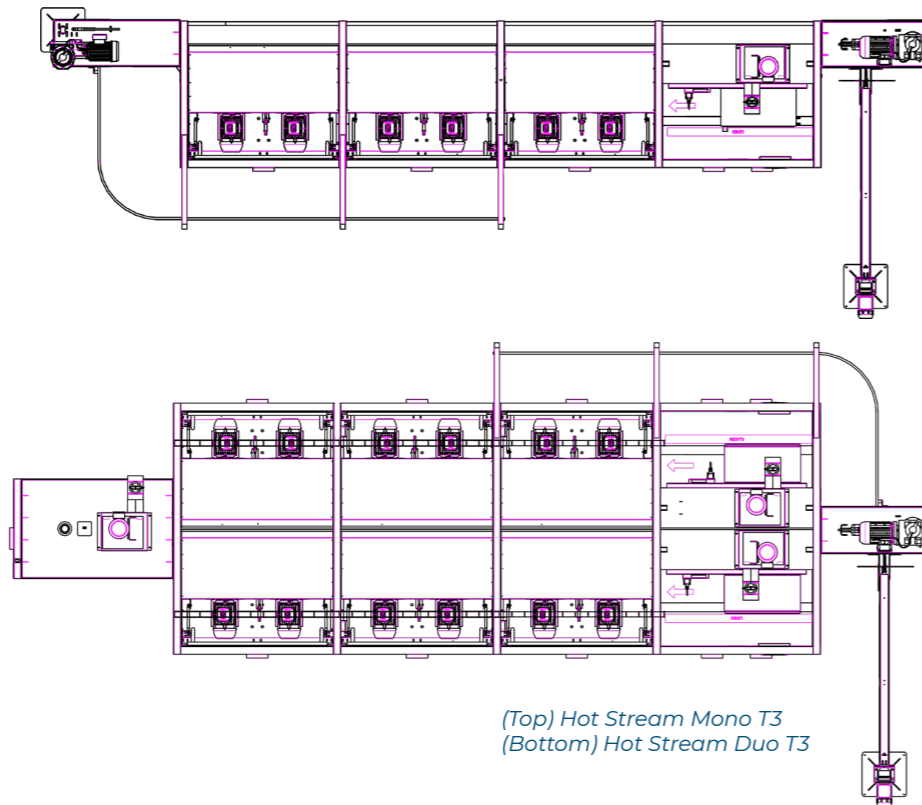
#### HOT STREAM MONO

Thanks to the unique compact modular design, the Hot STREAM MONO allows you to use minimum laundry space. For example, the feeding, exit and access to the technical areas of the machine are all on the same side, which provides you with the possibility to mount the machine against the wall.

#### HOT STREAM DUO

Double your production, not the footprint. The design of Hot STREAM, with narrow preconditioning- and drying zones, allows us to mount the drying compartments back-to-back and go beyond 6 modules and assure production capacities up to 2.000 garments per hour.

The Hot STREAM DUO also comes with a standard cool down zone, allowing the garments to cool down in a gentle and controlled manner.



**FROM 100 TO 2.000  
GARMENTS PER HOUR**

### 1-6 COMPARTMENTS

#### IN FUNCTION OF THE PRODUCTION CAPACITY

The Hot STREAM has a modular design, where the drying zone consists of a number of identical compartments with identical drying elements, in function of the production capacity.

Because the compartments and the elements are identical, the Hot STREAM assures uniform temperature and air flow throughout the entire drying zone. This results in a similar, excellent finishing quality for all garments of the same type.

### GAS VS STEAM HEATED

#### GAS OR STEAM? WHAT SUITS YOU BEST?

All Hot STREAM models are available as steam or gas heated version. Whether it's gas or steam heating, the heat-exchange unit is designed so that it covers the full length of the drying zone, which assures a uniform temperature and high quality finish.

#### HEATING ELEMENT

The heating element (steam or gas) covers the full length of the drying zone, assuring a uniform temperature over the full length of drying zone.

	Mono T1	Mono T2	Mono T3	Mono T4	Mono T5
Items/hour	100	300	400	600	750
65/35 polyester/cotton					

	Duo T2	Duo T3	Duo T4	Duo T5	Duo T6
Items/hour	700	800	1.000	1.200	2.000
65/35 polyester/cotton					



Hot STREAM - Steam Heated

Hot STREAM - Gas Heated

# GARMENT SOLUTIONS OVERVIEW

## ENTRY (1)

The Hot STREAM entry zone is designed to fit all types of garments. Whether it's light clothes or heavy weight workwear, all garments easily enter the universal entry zone.

## ELECTRICAL CABINET (2)

With two doors in front of the Hot STREAM, the electrical cabinet is designed to be easily accessible. However suddenly opening the doors won't be possible for safety reasons. You will have to unlock them first to access the electrical network.

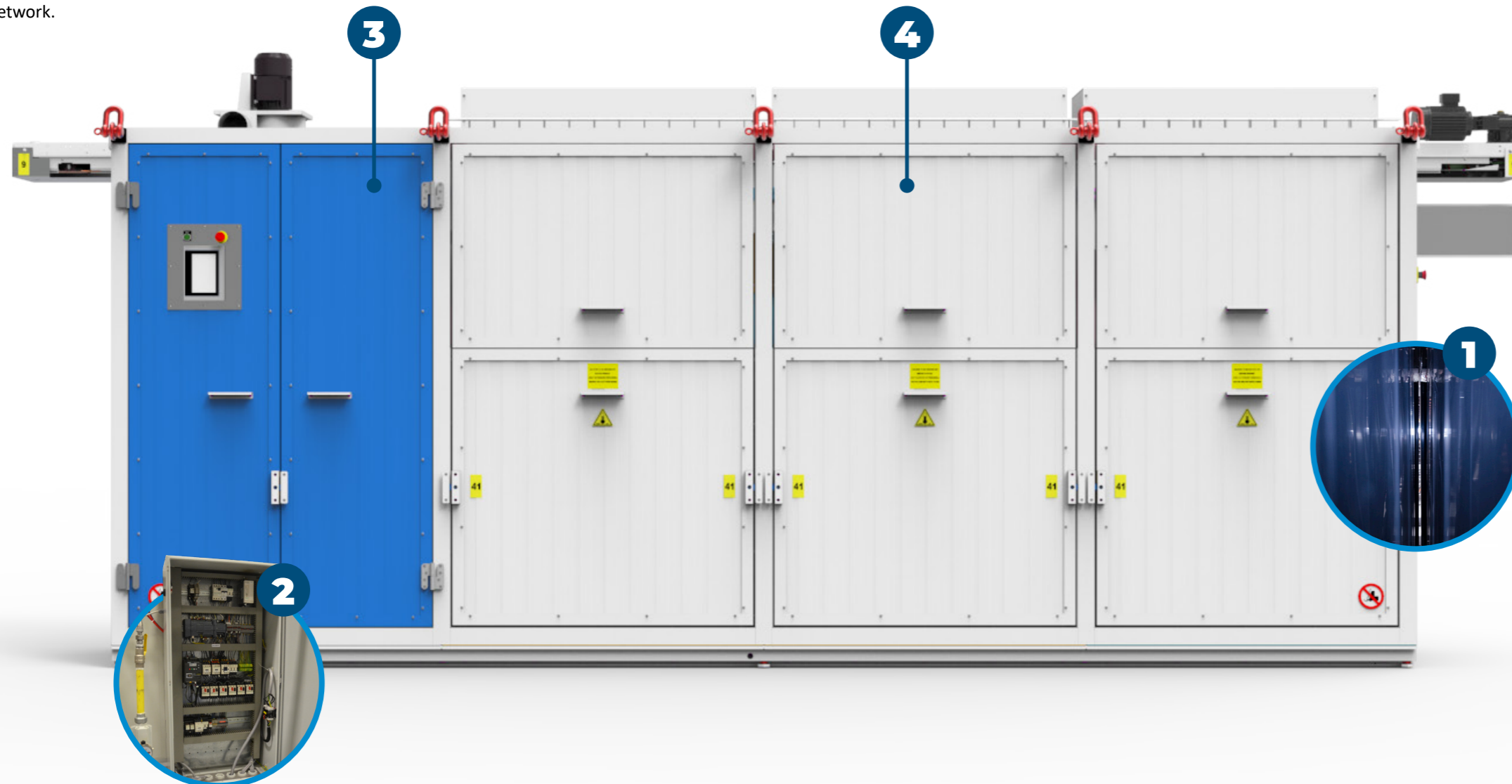
## PRECONDITIONING MODULE (3)

Steam injectors on both sides of the zone relax the fibers of the processed linen, which is an optimal preparation for a perfect finish. The steam injectors are located over the full height (1880 mm), so that the steam fully covers even the largest items. Controllable pressure and time of steam jets assure optimal preconditioning, in function of the fibre.

## DRYING ZONE (4)

### EXCELLENT FINISHING QUALITY

Because the compartments and the drying elements (2 per compartment) in the drying zone are identical, and because the airflow and air temperature in the compartments are easily adjustable, the Hot STREAM delivers excellent finishing quality for each type of garment.



## OPTIONS

### AUTOMATIC FILTER CLEANING

The automatic filter cleaning takes away the burden of remembering when to clean the filters yourself and maintain optimal efficiency and finishing quality. This option automatically cleans the dust filter at preprogrammed intervals. You stay in control, as you can decide when and how many times per day the filter has to be cleaned.

### LOADING COILS

If you want to use your tunnel finisher as a stand-alone unit, Lapauw offers a wide range of loading coils and lengths, including buffer systems and exit system on the machine.

### ADDITIONAL SUCTION HOOD

The additional suction hood evacuates the heat and fumes instead of blowing them away in the laundry.

### POWERFUL AIRSTREAM

Each element has 2 counter rotating 2,2 kW blower fans that push the hot airstream through the narrow passage. Thanks to the programmable position of the hood, the airspeed can be optimized in function of the type of garments that are processed.

### RIVETLESS

Thanks to the rivetless stainless steel surfaces on the inside walls of the Hot STREAM all types of garments will leave the tunnel finisher in perfect condition and without any risk of rips. The rivetless panels assure optimal treatment of the garments, even when subjected to high mechanical action.

### DUST FILTER

The dust filter assures that lint and dust are kept away from the airstream and do not contaminate the garments or clog up the blower fans. The dust filter is easy to clean.

# HOT STREAM KEY BENEFITS

## NARROW PASSAGE

The Lapauw Hot STREAM is well-known for delivering a First Class Quality finish.. The Narrow passage is the key to this quality.

## FULL EXPOSURE

Because of the narrow passage (only 100 mm), the garments pass shoulder-to-shoulder through the preconditioning unit and the drying zone.

This leaves the front and back of the garment fully exposed to the steam jets and hot air stream, allowing the hot air stream to cover every part of the garments, including the hard to reach parts like pockets.

## IRONING EFFECT

As the hot air stream is pushed through the narrow drying zone, it accelerates and shakes the garments. The shaking makes the garments beat against the stainless steel, rivetless side panels of the narrow drying zone.

Both actions result in a strong mechanical action, called ironing effect, which de-wrinkles even the toughest textiles, like cotton overalls.

## HIGH DENSITY INSULATION

The high density insulation is located over the full length of the drying zone, assuring minimal heat loss.

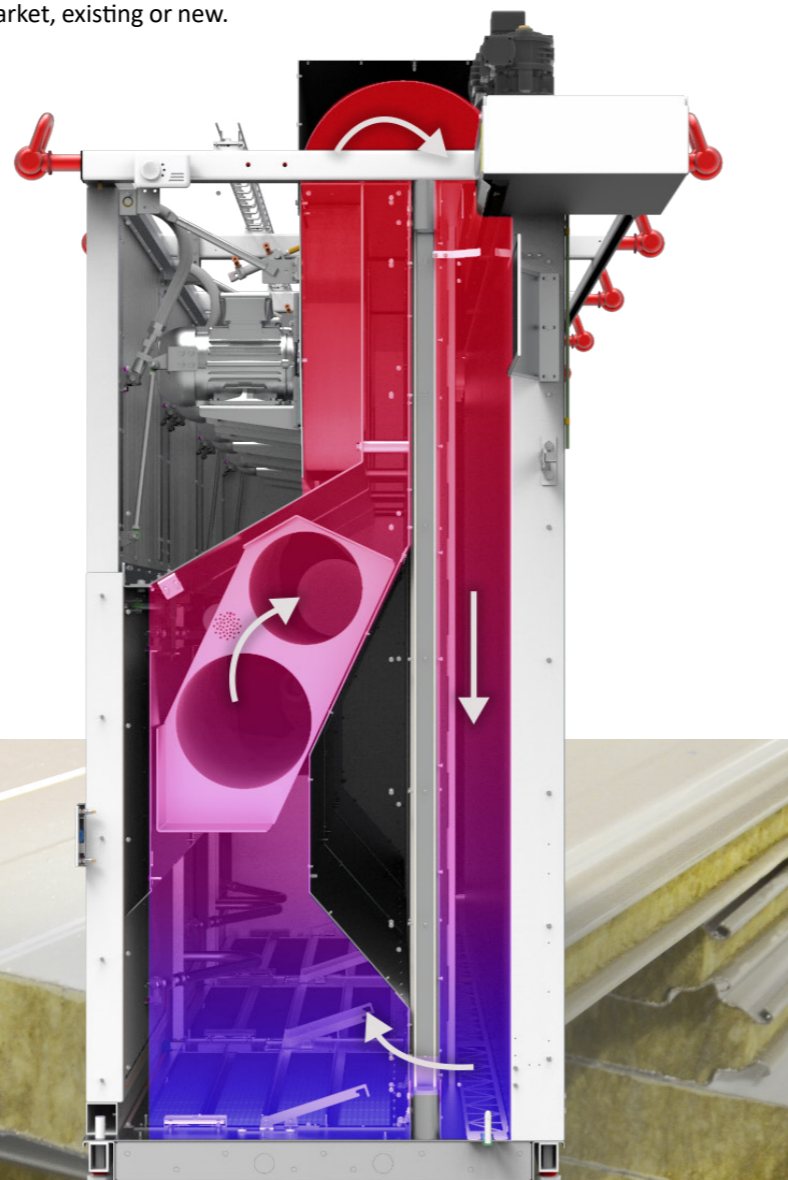
## MAXIMAL FLEXIBILITY

### THE PERFECT STAND-ALONE SOLUTION...

With the smooth bar and a wide range of manual loading accessories, the Lapauw Hot STREAM is the ideal stand-alone solution for smaller batches.

### ... BUT ALSO FULLY INTEGRABLE

Thanks to the open system, the Hot STREAM can be integrated with every garment management and transportation system on the market, existing or new.



## FREELY PROGRAMMABLE

### SIEMENS: PROGRAMMING MADE EASY

The SIEMENS control system with intuitive, full colour touch screen combines maximal awareness and ease of usage. The 7" full colour touch screen displays important process values temperatures, speed... in a blink of an eye.

The large screen also provides a "helicopter view" of the parameters, allowing you to swiftly make and modify programs. An USB-port also allows you to export the programs, store and modify them on a computer or laptop. Critical data like production, events and error messages are logged and stored. The controller system puts you in the driver seat, allowing you to create different programs and control all the necessary parameters like speed, preconditioning, temperature per zone,...

## MAINTAINING THE LOWEST TOTAL COST OF OWNERSHIP

In today's very competitive laundry business, maintaining a low Total Cost of Ownership is paramount.

### EASY MAINTENANCE

The large, pivotal "bus" doors are easy to open and offer unlimited access to the technical areas.

Components that require frequent cleaning or maintenance are easily accessible and cleanable:

- Because the blower motors are mounted on hinges, the fans can be accessed and cleaned easily.
- The anti-dust filter is in plain sight and can be cleaned easily by hand.
- Because the chains are made of stainless steel, the chain has a higher lifespan and it is much cheaper in maintenance.

## OPEN SPARE PARTS POLICY

Like on all Lapauw machines, Lapauw also adopts its Open Spare Parts Policy to the Hot STREAM.

From the electric components, the blowers or the gas burner: All components are identifiable and can be purchased off-the-shelf.



- Exit
- Manual Loading loading screw loading station (up to 400 items per hour) (loading screw and station are options)
- Smooth bar with mechanical stop receives and buffers garments. (Smooth bar is standard)

# HOT STREAM OPTIONS

## AUTOMATIC FILTER CLEANING

The automatic filter cleaning takes away the burden of remembering when to clean the filters yourself and maintain optimal efficiency and finishing quality. This option automatically cleans the dust filter at preprogrammed intervals. You stay in control, as you can decide when and how many times per day the filter has to be cleaned.

## LOADING COILS

If you want to use your tunnel finisher as a stand-alone unit, Lapauw offers a wide range of loading coils and lengths, including buffer systems and exit system on the machine.

## ADDITIONAL SUCTION HOOD

The additional suction hood evacuates the heat and fumes instead of blowing them away in the laundry.



(Top) Feeding station  
(Middle) Feeding station adjustable in height  
(Bottom) Additional suction hood

# LAPAUW TOTAL SOLUTIONS

## LOGISTICS

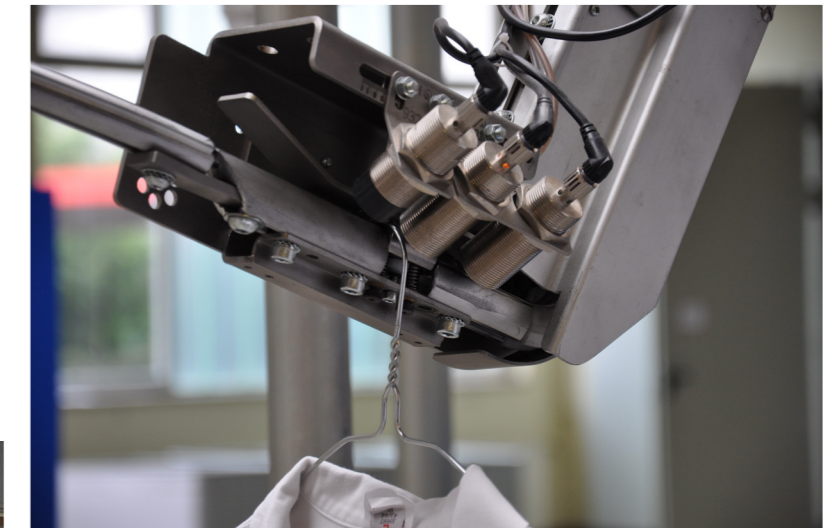
FIRST CLASS FINISH FROM 100  
UP TO 2.000 GARMENTS PER  
HOUR

With the Hot STREAM tunnel finisher, Lapauw assures you a first class finish on your garments. With its conveyor system, Lapauw provides you with the most efficient garment management solution for any production requirements. From stand-alone set-ups for 100 or fewer garments per hour, up to the high volume production units.

## FLEXIBLE

Instead of using chains and hooks throughout the whole installation, the Lapauw system combines the flexibility of an endless chain system – to direct the garments through the system – with the ergonomic and space saving features and robustness of the endless screw conveyor.

This combination offers you a compact system that fits any space. The system is also modular, which enables it to grow with your business.



The most efficient garment management solution for any production requirements

## COMPACT

The endless screws store up to 50% more garments per m than the chain and hook system. Therefore, the Lapauw system requires far less space than conventional systems.

On the sorting site, innovative sorting software minimizes the space needed for transporting and sorting. Sorting is already possible on a floor surface of 12 m<sup>2</sup> (which is the smallest sorting unit on the market).

## EFFICIENT

It's not only about space, as the system provides efficiency in every aspect of the logistics process.

- Unlike other systems, the Lapauw garment management system handles a wide variety of hanger types, brands and diameters.
- Although compatible with a wide range of hangers, our system is designed to process the hangers without the need of a hanger carrier.
- This saves the laundry money, in investment and in man-hours.
- Thanks to usage of endless screws and the integration of encoders in the chain conveyor, the system knows exactly where an item is at any given moment. This allows us to use far less barcode or RFID reader system than with conventional chain systems.

## ERGONOMICS: LESS NOISE & ADJUSTABLE HEIGHT

Noise is one of the main issues of garment transportation systems, especially those that work with hooks. The Lapauw system works with flexible screws and is one of the most silent on the market.

The garment feeding system is adjustable in height, making it easy to work with for everybody.

## MANAGE THE TOTAL LOGISTICS PROCESS!

The Lapauw garment management system is much more than a system to transport garments in the laundry. It manages the logistics of your garment finishing line from garment intake, quality control until shipment.

The system also provides the software and hardware to track, check and expedite the garments, including barcode scanners and monitors. The software interface between the system and the laundry's administration is designed in such a way that it is open to everybody, enabling the laundry to configure it to their specific requirements.



(Top) Flexible screws  
(Middle) Compact Combiflex System  
(Bottom) Feeding station adjustable in height



## GARMENT FOLDING

### THE UNIVERSAL MACHINE

The Lapauw garment folder is a universal folder, capable to fold any type of garment up to 1,2 x 1,8 meter, whether it's t-shirts, trousers, OP-wear, jackets or cloaks.

The PLC control system offers up to 100 different folding programs, giving you full control over how the garments should be folded.

The folder also effortlessly folds garments in all materials... from polyester, to polyester/cotton, to cotton.

### HIGH PRECISION SLEEVES HANDLING

A brush system automatically folds the arms inwards. As the brushes move at the optimal speed, wrinkles are minimized. This assures the best possible position of the sleeves in the folded garment.

### HIGH PRECISION LATERAL FOLDING

Lateral folding is done by a template assuring accurate and high quality folding. The position is gradually adjustable, allowing you to match the needed width in the range from 165-380mm.

### HIGH PRECISION CROSS FOLDING

The folder disposes of 2 cross folds. Both use mechanical knife and reversing belts. Additionally, there is an air blast available in the second cross fold for pieces where the knife is not suitable. This gives you maximum flexibility for choosing the way you want to process your garments. The cross fold section can be programmed so that the items are folded 1/2nd, 1/3rd or 1/4th.

### STACKER

After the cross fold section, the garments are deposited onto the stacker at the back of the machine. There is a high-quality roll-off stacker in the machine. As an option, you can also expand the machine with several stacker positions in order to sort the garments according to your needs.

Optional exit conveyors can be mounted onto the stacker, taking your folded packages directly to the packaging stations, without human intervention.

### MANUAL OR FULLY AUTOMATED: YOUR CHOICE

The folder can be expanded with a robot, which takes the garments from the hangers directly to the folder. The robot also automatically takes away the hangers and reinserts them into the system. Foldable hangers are automatically collapsed and reopened if needed.

### STANDARD FEATURES

- Jam control
- All optic sensors with monitoring
- PLC control with touch screen - up to 1000 different programs
- Cycle time: 3,2 - 4 sec.
- Very small footprint of the machine
- Sliding doors for easy access
- LED-light inside of the machine
- Antistatic system for special environments (especially when processing microfiber garments).



# LAPAUW PRODUCT OVERVIEW

## CONVENTIONAL AND CART WASHING SOLUTIONS



### OPEN POCKET WASHER EXTRACTOR



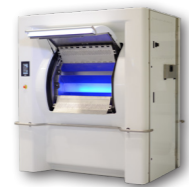
60, 100, 120, 160, 200, 300 kg with frontal loading.

### 3 POCKET WASHER EXTRACTOR



60, 100, 160, 200, 300, 400 kg with frontal loading.

### MEDIWAVE WASHER EXTRACTOR



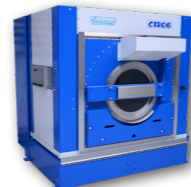
60, 80, 110 kg with side loading. Barrier Washer.

### PULLMAN WASHER EXTRACTOR



40, 60, 80, 110, 160, 200, 260 kg with side loading. Barrier Washer.

### TOPLOADER WASHER EXTRACTOR



120, 160, 200 kg with toploading & frontal unloading.

### TROLLEY-WASH



Disinfection, washing & drying. Multiple executions possible.

## IRONING SOLUTIONS - FEEDERS, IRONERS & FOLDERS

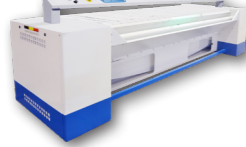


### UNIFEED



Independent vacuum feeder for small items.

### STARFEED



Small piece feeding unit for high quality manual feeding.

### STARFEED+



1 feeding station, 1 lane, up to 250 items per hour.

### EXTRA



2 stations cornerless feeding, up to 750 items per hour.

### UNIX



3-4 feeding stations, 1-2 lanes, up to 1800 items per hour.

### CLASSIC STEAM



The standard Lapauw ironer, available in different diameters and with up to 3 rolls

### CLASSIC GAS



The most efficient, heavy duty, high capacity, gas heated ironer on the market.

### XXL



The largest single roll on the market, 1600 mm chest diameter over 286°.

### IRONMAX



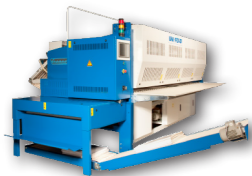
Innovative features like a new chest design and parallel oil flow pattern, a new standard.

### IRONPRO



Industrial quality for OPL and smaller laundries. Roll diameters of 500, 600 & 800 mm.

### UNIFOLD



Universal folder with 2 to 3 primary folds by air and 2 to 3 cross folds by knife in multiple lanes with drop stacker.

### STARFOLD



Cos effective folder with 2 to 3 primary folds by air in multiple lanes. The ideal single roll folder.

### STACK&FOLD



Small piece folding & stacking, in multiple lanes. One cross fold + stacking.

### FOLDPRO



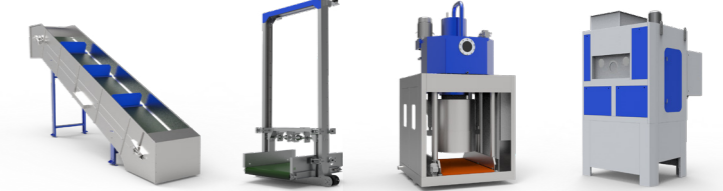
Flexible folder which folds, sorts, stacks and counts all kinds of towels.

## TUNNEL WASHING SOLUTIONS



### TUNNEL WASHING SOLUTIONS

40, 50, 60, 75, 100, 120 kg batch sizes with different sizes of dryers and presses up to 56 bar pressure.



## GARMENT SOLUTIONS



### HOT STREAM TUNNEL FINISHER

Available in Mono & Duo, both gas or steam heated.  
 ■ Mono: T1 - T6: 150 - 1000 items/hour.  
 ■ Duo: T2 - T6: 750 - 2000 items/hour.

### CONVEYOR SYSTEM

Ultra compact and flexible garment handling system with capacity up to 2000 items/hour. Endless chain system transports garments shoulder-to-shoulder.

### GARMENT FOLDER

Garment folder with capacity of 800 items/hour and one primary fold & 2 cross folds. Modular robotic system which handles any type of hanger available.

## CLEANROOM SOLUTIONS



### MEDISTREAM

The world's first dryer specifically designed and approved for cleanroom use. The MediStream is the perfect complement to our world-renowned MediWave.



### MEDIWAVE

Pass-through split-pocket washer-extractor for use in ISO-certified cleanrooms. Ergonomic design with glass-reinforced polymer exoskeleton for the highest level of hygiene.

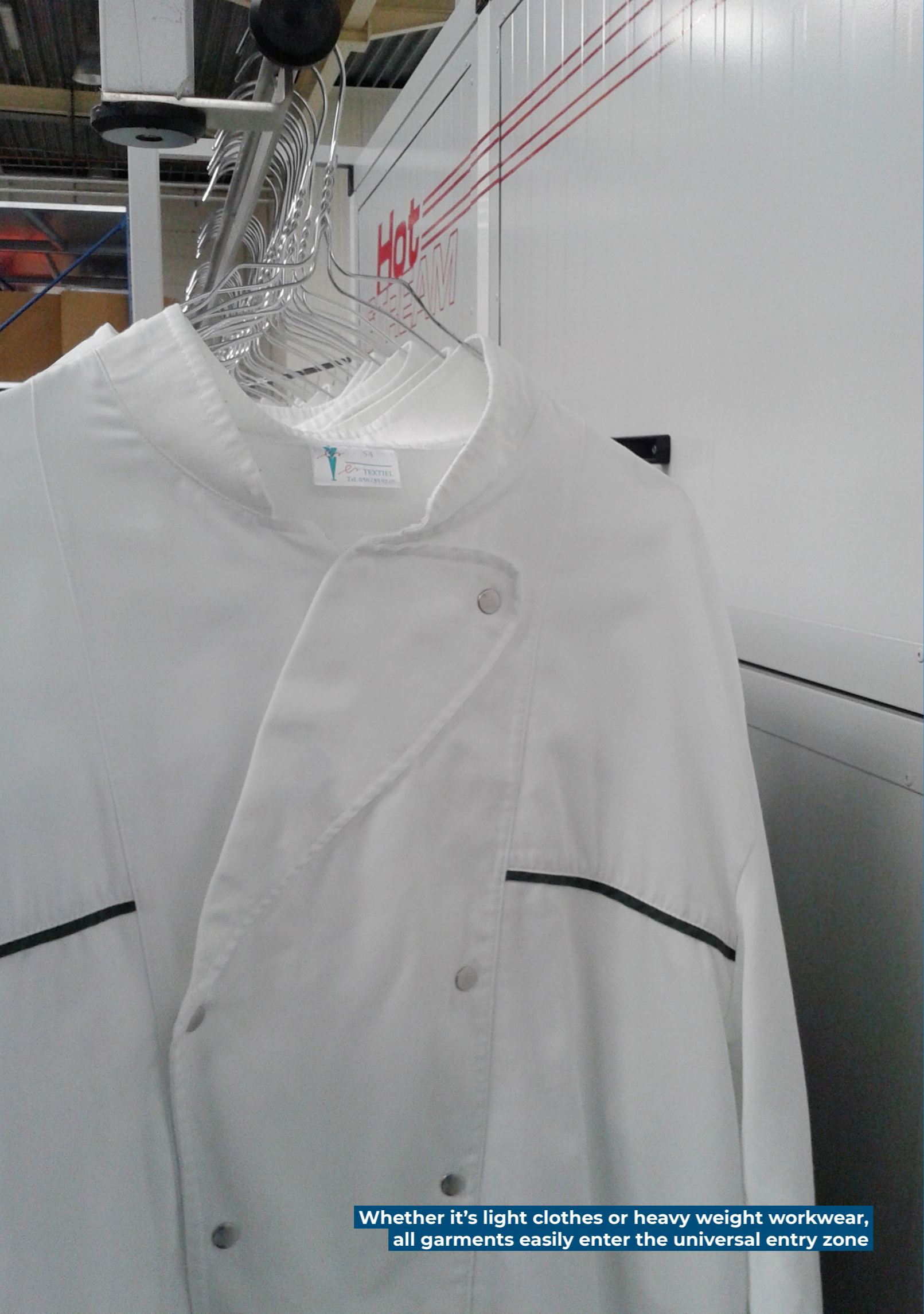


## GARMENT SORTING SOLUTIONS



## MATERIAL HANDLING SOLUTIONS





Whether it's light clothes or heavy weight workwear,  
all garments easily enter the universal entry zone



# BEYOND **INNOVATION**



Oude Ieperseweg 139  
8501 Heule, Belgium

Tel. +32 (0)56 35 42 95  
info@lapauw.be  
www.lapauw.be

Follow us    

Лапарас



# CLEANROOM SOLUTIONS

INFORMATION BROCHURE



# CLEANROOM SOLUTIONS

INFORMATION BROCHURE





BEYOND INNOVATION



## CLEANROOM SOLUTIONS INFORMATION BROCHURE

LAPAUW THROUGHOUT THE WORLD	7
SHAPING LAUNDRY TECHNOLOGY	8
CLEANROOM LAUNDRY	11
MEDIWAVE	13
MEDISTREAM	17
TECHNICAL SPECS	20
OPTIONS	22
PRODUCT OVERVIEW	24



Cleanrooms have their own ISO standard that defines the number and size of particles that are allowed in the room

## LAPAUW THROUGHOUT THE WORLD

### WORLDWIDE LAPAUW FACTORIES, OFFICES AND REPRESENTATIVES

Lapauw has a worldwide network of factories, offices and representatives to serve its customers with the professionalism that is required. All dealers have a warehouse with the most common parts and all spare parts are always on stock at Lapauw for a 24 hr service.

Your closest local Lapauw partner can be found on our website [www.lapauw.be](http://www.lapauw.be)

 **FACTORIES**  **OFFICES**  **REPRESENTATIVES**



### TOTAL LAUNDRY SOLUTIONS

Discover our other solutions in our other brochures respectively. Contact us for more information.

[WWW.LAPAUW.BE](http://WWW.LAPAUW.BE)



# LAPAUW - SHAPING LAUNDRY TECHNOLOGY

Since the mid 20th century, Lapauw has shaped laundry technology.

Did you know that the flexible chest technology is in fact a Lapauw invention? And the “steamless laundry” concept would not even exist if it wasn’t for the gas heated ironers, a technology that saw the light in the Lapauw factory, in 1995. Ever since the very first ironer, in 1950 (with flexible chest), Lapauw has been on the vanguard of laundry technology, as Lapauw always adopted an “out of the box” approach to the specific challenges that come with laundry machinery.

Today, Lapauw manufactures a wide range of laundry equipment :

- Lapauw is one of the few manufacturers of heavy duty washer-extractors.
- Lapauw has the widest range of ironers, all of them equipped with the flexible chest\* technology.
- Lapauw complements its ironers with a full range of feeders and folders.
- The Hot Stream tunnel finisher is well reputed for the first class finishing quality it delivers.
- The Lapauw Trolley Washer takes care of trolleys or even disinfects hospital beds.
- Lapauw offers complete tunnel washing solutions, including press and dryers.

But most important of all, owners of the more than 8.000 machines sold in over 40 countries know the Lapauw machines as highly efficient, robust machines that assure the lowest operational cost.

\* thin/thick



The Lapauw factory  
in Heule, Belgium

## INNOVATION

Lapauw invests heavily in R&D. The aim is not just to innovate, but to go beyond innovation by creating benefits for the customer. When developing new machines, we care about improving efficiency, ergonomics and environmental footprint.

The R&D team is located in the factory in Kortrijk, where they stay in close contact with the sales and manufacturing teams. This allows them to keep a finger on the pulse of laundry business and maintain a “hands-on” approach to Research and Development.



## QUALITY MANAGEMENT

Having obtained the ISO 9001:2015 certificate in 2018, Lapauw is one of the very few laundry machinery manufacturers that can put the ISO seal on its official documents. A seal that is worldwide recognized as a symbol of “business excellence”.

With ISO 9001:2015, we go beyond just the quality of the machines and take quality management into the whole process: from the moment we pick up the phone to the after sales and shipments of spare parts, assuring that our customers are served with the highest level of professionalism.



## SERVICABILITY

As the Total Cost of Ownership of laundry machines becomes more important, Lapauw goes to great efforts to keep the maintenance and operational costs of the machines to a minimum.

Through our network of distributors and Lapauw offices on every continent, we stay very close to our end users in hotels, hospitals and laundries, assuring them close support and short reaction times.

The simple, robust construction of the machines and the “Open Spare Parts” philosophy assure high reliability rates and minimum maintenance costs.



**“BEYOND INNOVATION”  
THESE 2 WORDS ARE MORE THAN A  
SLOGAN, AS THEY RETURN TO THE 3  
CORNERSTONES OF OUR PHILOSOPHY.**

# CLEANROOM LAUNDRY

Cleanrooms adopt the most strict standards on cleanliness and separation between soiled and clean laundry. In fact, cleanrooms have their own ISO standard (ISO14644-1) that defines the number and size of particles that are allowed in the room. But it's more than just that, as industries like pharmaceuticals and F&B also fear microbiological contamination.

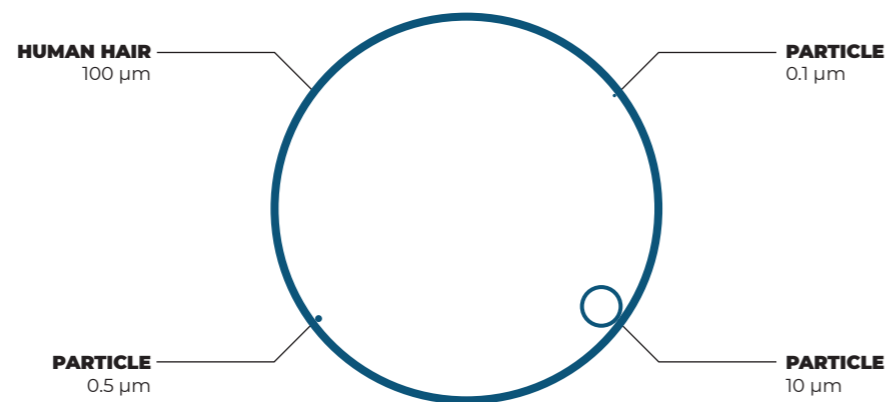
NUMBER OF PARTICLES PER CUBIC METER BY MICROMETER SIZE

	0.1 micron	0.2 micron	0.3 micron	0.5 micron	1 micron	5 micron
ISO1	10					
ISO2	100	24	10			
ISO3	1.000	237	102	35		
ISO4	10.000	2.370	1.020	352	83	
ISO5	100.000	23.700	10.200	3.520	832	
ISO6	1.000.000	237.000	102.000	35.200	8.320	293
ISO7				352.000	83.200	2.930
ISO8				3.520.000	832.000	29.300
ISO9				35.200.00	8.320.000	293.000

Needless to say that all cleanroom laundries have to comply to this ISO standard. Not only do they have specific washing conditions; but because of the typical environment in a cleanroom, ergonomics are a major factor and the cleanroom industry relies heavily on monitoring and traceability. All this, of course, transpires down to the machines.

This is why Lapauw developed the Mediwave washer-extractor and the Medistream cleanroom dryer. A dedicated cleanroom line in partnership with BeMicron.

## CONTAMINATION IN PERSPECTIVE



### CLEANROOM LAUNDRY MACHINES HAVE TO BE DESIGNED WITH MINIMAL RISK OF CLEANROOM CONTAMINATION

As cleanroom laundries go up to ISO class 4 or even 3, the washer-extractor and dryer are a critical part in the cleanroom process. Mostly because they still have a link with the environment external to the cleanroom and, thus, a possible source of contamination. Avoiding contamination goes further than the barrier washer itself and the placement of a HEPA filter. The question is how to prevent particle and cytological contamination via the washer-extractor while assuring that the dryer keeps outside air out of the cleanroom.

### MACHINES HAVE TO BE ADAPTED FOR SPECIFIC CLEANROOM LAUNDRY REQUIREMENTS

Cleanroom laundries use atypical fill ratios, and the dryer and washer-extractor must be compatible with these specs. ISO class 4 and 3 laundries, for example, use deionized water, which reacts with standard AISI304 stainless steel and could be an additional source of contamination.

### THE MACHINES HAVE TO BE ABLE TO MEASURE AND TRACE A WIDE RANGE OF PARAMETERS

In the cleanroom industry, traceability is paramount. The washer-extractor and dryer must be able to measure and trace a wide range of parameters, from the number of particles to pH to conductivity. The microprocessor must be able to log these data and export them in easy to use files. Moreover, some projects require the full integration of the washer and dryer in the company's monitoring and validation chain.

### THE MACHINES HAVE TO ASSURE OPTIMAL WORKING CONDITIONS

With its ultra-conditioned, dry air and protective non-shedding clothing that covers over 90% of the skin, the cleanroom proves to be a harsh environment for the worker. An environment where heat stress can be up to 10,6°C higher than normal work places. So, working comfort is paramount.



Cleanroom environment with Lapauw Medistream and Mediwave at a BeMicron laundry

**THE CLEAN MACHINE**

GRP: THE CLEAN SURFACE

Unlike stainless steel, Glass Reinforced Polymer (GRP) is a smooth, monolithic surface which leaves no joints or crevices for particles and bacteria to build up. The absence of sharp angles, assures an efficient and thorough cleaning. The white paint contains Titanium dioxide (TiO<sub>2</sub>), which possesses anti-bacterial properties.

GRP: HIGH CHEMICAL AND MECHANICAL RESISTANCE

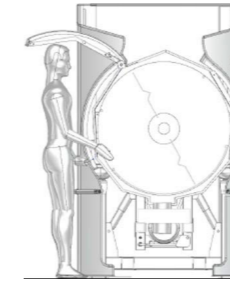
A hardened gelcoat protects the cover from mechanical damage such as scratches or shedding. The polymer is also chemically inert, allowing it to be treated frequently with a wide range of cleaning agents.



**THE MOST ERGONOMIC MACHINE**

EASY LOADING AND UNLOADING THANKS TO THE ERGONOMICALLY SHAPED COVER

The GRP cover is shaped in such a way that the operator can stand closer to the drum, making loading and unloading far less strenuous than on conventional barrier washers.



EASY TO OPEN AND LOCK DRUM ACCESS DOOR

Thanks to the specially designed push system, opening and closing the inner door is easy and quick.

AUTOMATIC DOOR OPENING (OPTION)

The automatic door opening system allows the outer door to be opened and closed by a push of a button, which adds to the comfort of the operator.

**HMI - MAXIMAL CONTROL AND MONITORING**

INTUITIVE CONTROLS

The intuitive SIEMENS control system guides the operator through the whole process. The graphical display provides an easy to understand overview of the process.

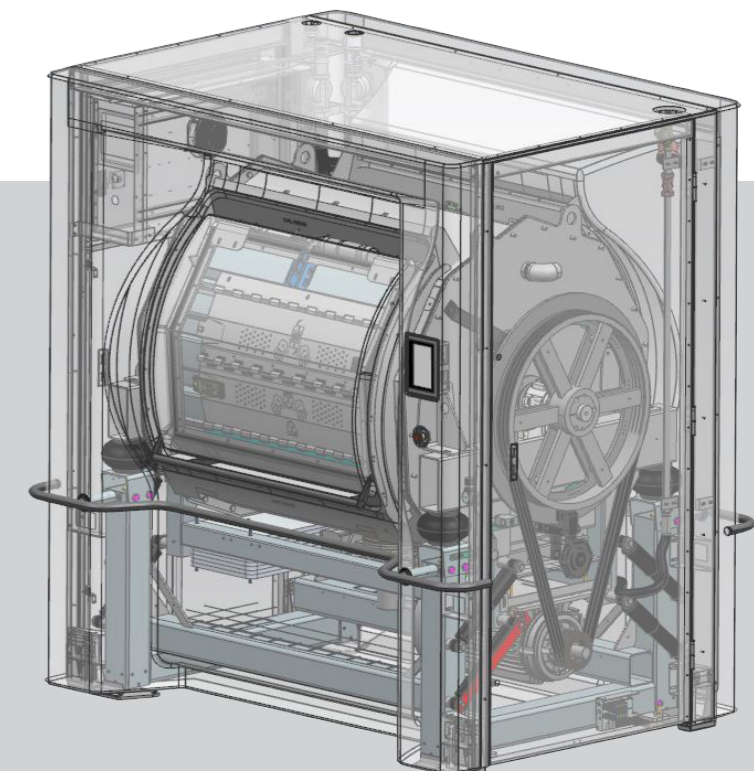
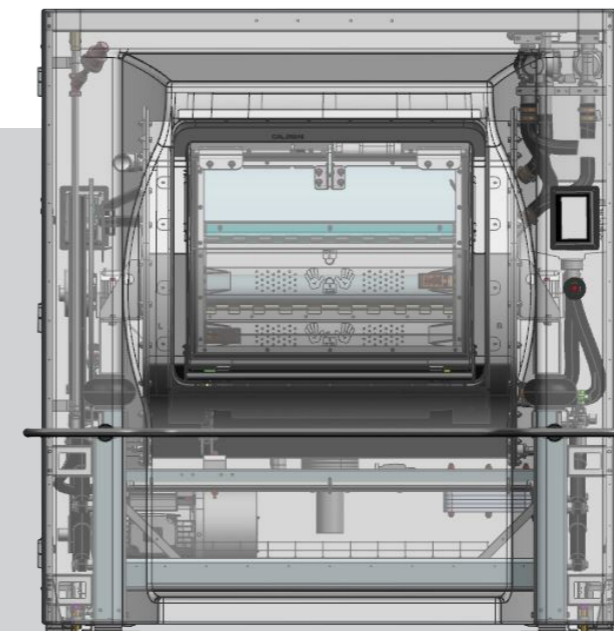
VISUALIZE YOUR BUSINESS

Thanks to the standard LED signalization unit in the door handle, the Mediwave provides prompt and efficient communication with the operators and plant managers, showing them when the machine is ready to load, unload...

Moreover, a second screen (option) on the clean side allows the crew in the cleanroom to monitor the process and anticipate the next step in the process.

TRACEABILITY

In the controlled world of cleanrooms, measurements and traceability are paramount. The Mediwave offers multiple connections for sensors and the microprocessor exports all data in easy to use and customisable files.



# CLEANROOM SOLUTIONS MEDISTREAM

## ADAPTED FOR CLEANROOM OPERATIONS

### COMPATIBLE WITH CLEANROOM LOADS

The Mediwave comes in 3 models: 60 kg, 80 kg and 110 kg capacity. The split drum (2 or 3 pockets available) assures maximal care for delicate fabrics and even allows you to process separate batches in the same machine.

### 316 STAINLESS STEEL

The standard material used in the Mediwave is stainless steel 304, but if wanted 316 grade stainless steel is a possibility too. This material guarantees that all wetted parts in the Mediwave are compatible with de-ionized or ultra-pure water that is used in cleanroom applications.

### DESIGNED FOR MAXIMAL WASHING RESULT

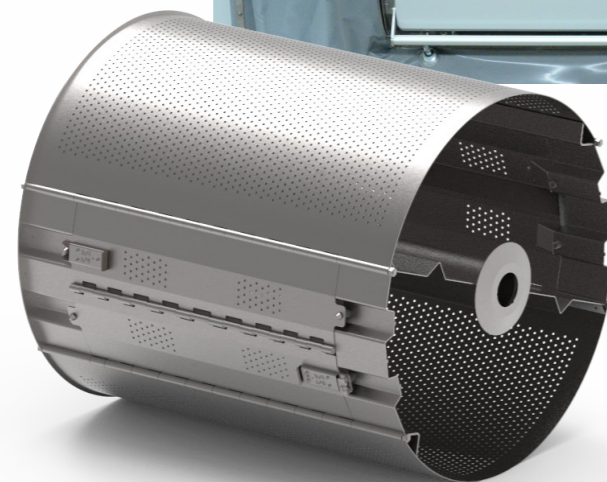
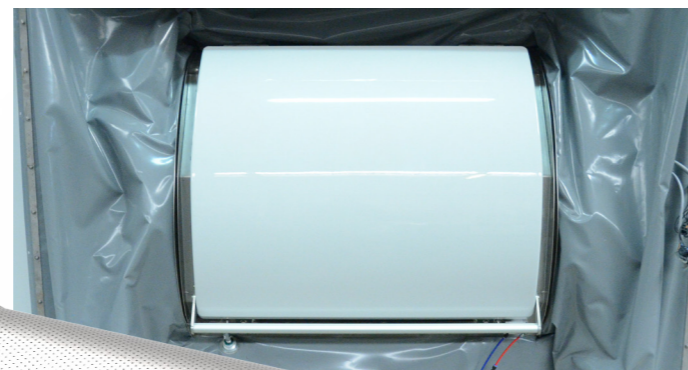
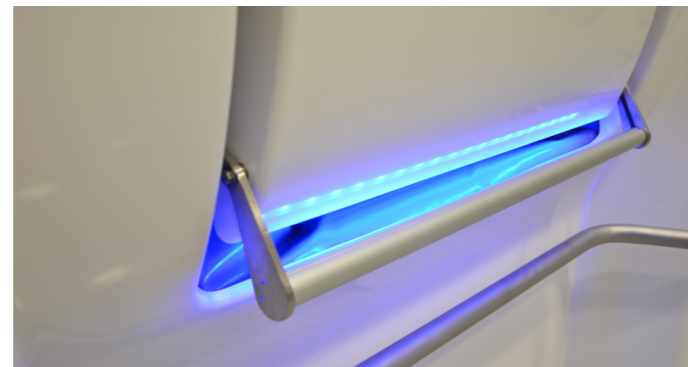
The detergents are injected below the waterline, which assures an optimal dispersion in the bath. The angular outer drum creates turbulences. This enhances mechanical action and better blending of the water/detergent mixture, with maximal protection for the fabric of your garments as a result.

### AUTOMATIC WEIGHING

With the automatic weighing system (option), water and detergents are automatically adapted to the load, assuring maximal compliance with the used washing procedures.

### CLEANROOM SEAL (OPTION)

The cleanroom seal assures maximal separation between the soiled and clean side. It is conceived in such a way that it accommodates positive pressure in the cleanroom.



(Top) The intuitive SIEMENS control system guides the operator through the washing process.  
(Middle) The standard LED signalization unit provides prompt and efficient communication.  
(Bottom) The cleanroom seal assures maximal separation between the soiled and clean side.

## A CLEANROOM IN THE CLEANROOM

### MAXIMAL SEPARATION BETWEEN CLEAN AND NON- CLEAN

The Medistream is the first dryer on the market that has the drum fully encased in a closed box. This assures maximal separation between the cleanroom and the exterior.

### CANTILEVERED DRUM PREVENTS PARTICLE CONTAMINATION FROM DRIVE WHEELS

Drive wheels are commonly used in dryers but are a source of particle contamination. The Medistream has a cantilevered drum, which excludes particle contamination.

### OPTIMAL FILTER POSITION

Heating elements have proven to be an often overlooked but major source of particle contamination. This is why the Medistream has a high-temperature HEPA filter mounted behind the heating element. A G4 pre-filter is mounted at the air intake, in front of the heating unit and complements the filter system.



### GRP COVER - THE ULTIMATE BARRIER

Like the Mediwave washer, the Medistream is equipped with a GRP front cover. This functions as an additional barrier, for example the HMI. Furthermore the cover also provides excellent thermal insulation, which reduces disturbance of the airflow in the cleanroom to a minimum.

### OPTIMIZED FOR CLEANROOM LOADS

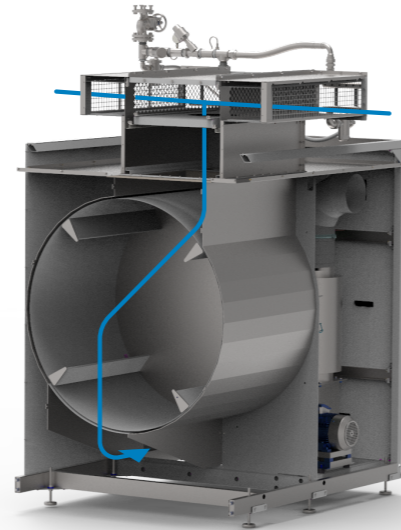
The Medistream drum has a volume of 1.400 liters. In the typical cleanroom 1/35 - 1/40 fill ratios, this size is a perfect match with the Mediwave range.

### OPTIMAL AIRFLOW

The Medistream offers an air flow of 4.000 m<sup>3</sup> /hr. The airflow through the drum is diagonal, which maximizes air to fabric contact and increases drying efficiency.

### VISUAL FILTER INSPECTION

Inspection of the filters and especially the HEPA filter is crucial. The filters on the Medistream can be inspected easily by sight. The optional BeMicron inspection system makes inspection of the HEPA filter easy.



### THE MOST ERGONOMIC EASY LOADING AND UNLOADING THANKS TO THE ERGONOMICALLY SHAPED COVER

Like with the Mediwave, the Glass Reinforced Polymer (GRP) cover is shaped in such a way that the operator can stand closer to the drum, making loading and unloading far less strenuous than on conventional dryers.

### LARGE DOOR OPENING

With a large door diameter, the Medistream offers maximal accessibility. The access opening is mounted at 1.450 mm from the floor, which is the ideal height for the operator to take the linen with minimal effort.

### HMI - MAXIMAL CONTROL AND MONITORING

#### TRACEABILITY

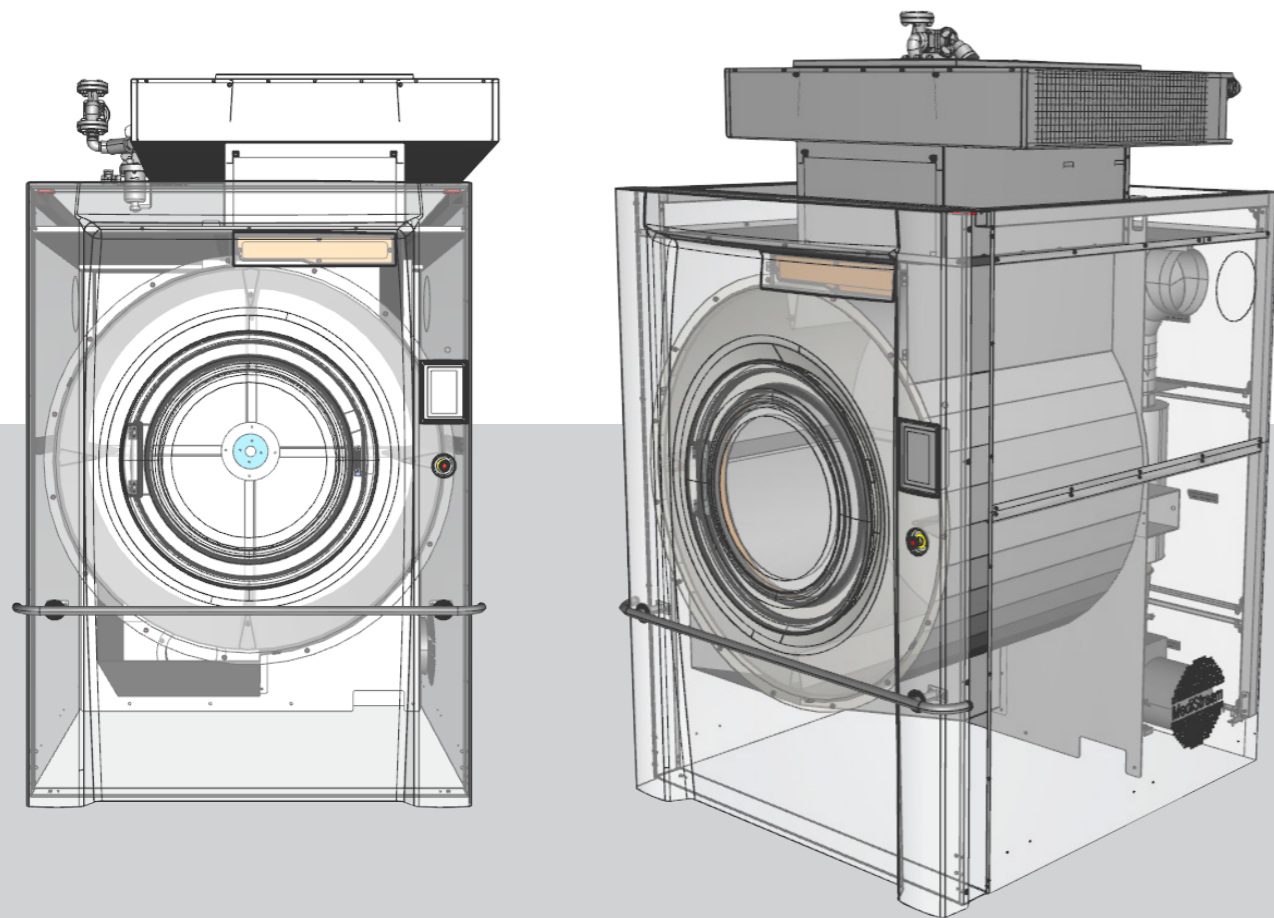
The permanent connection point for a particle measuring device (not included) offers continuous control of the particle count and is located in the exhaust, which provides the most reliable data. Just like on the Mediwave, this data can be exported to customizable files.

#### INTUITIVE CONTROLS

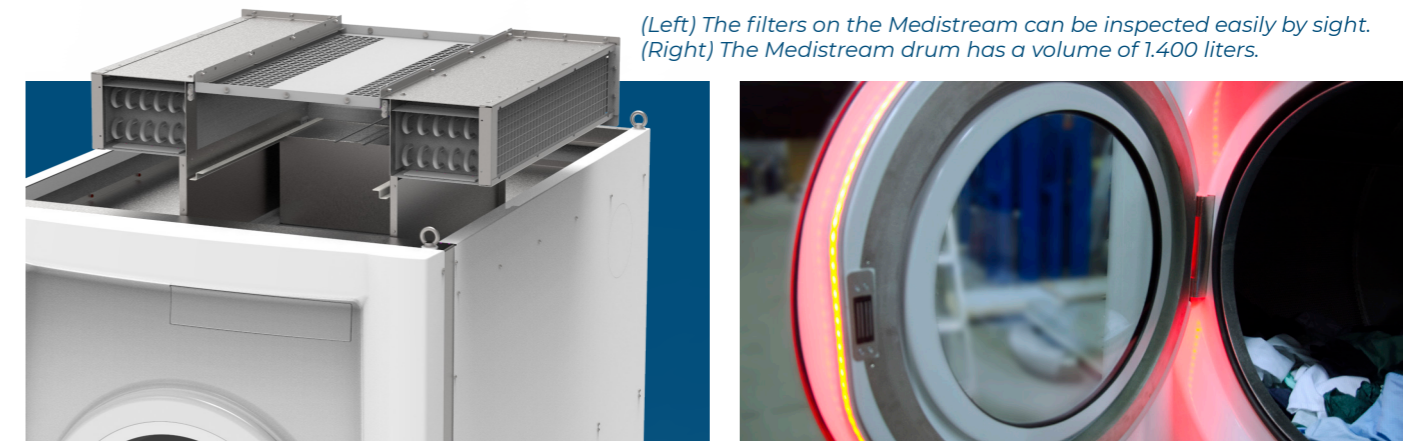
The Medistream has the same intuitive SIEMENS control system as the Mediwave and guides the operator through the whole process. The graphical display provides an easy to interpret overview of the entire process.

#### VISUALIZE YOUR BUSINESS

Like the Mediwave, the Medistream is equipped with a LED system that gives highly visual and clear messages to the operator.



(Top) One of the horizontal support beams also functions as central drain for the compartments.  
(Middle) A drain is standard on every double drum.  
(Bottom) Stainless steel recovery tanks are easily accessible but do not exceed the footprint of the machine.



(Left) The filters on the Medistream can be inspected easily by sight.  
(Right) The Medistream drum has a volume of 1.400 liters.

# CLEANROOM SOLUTIONS TECHNICAL SPECS

## MEDIWAVE

	DIMENSIONS		
	C600	C800	C1100
Width	1.700 mm	1.700 mm	2.100 mm
Depth	1.495 mm	1.495 mm	1.495 mm
Height	2.259 mm	2.259 mm	2.259 mm
Weight	1.350 kg	1.600 kg	1.850 kg
Loading Capacity	60 kg	80 kg	110 kg
Compartments	2 or 3	2 or 3	2 or 3
Drum volume	604 liter	787 liter	1.135 liter
Drum diameter	1.080 mm	1.080 mm	1.080 mm
Drum depth	660 mm	860 mm	1.240 mm

## MEDISTREAM

	DIMENSIONS
	D1400MSSCR
Width	1.800 mm
Depth	1.950 mm
Height	2.800 mm
Weight	1.800 kg
Diameter basket	1.400 mm
Depth basket	928 mm
Volume basket	1.410 liter
Reversing basket	Yes
Basket material	Stainless steel 304
Airflow	4.000 m <sup>3</sup> /hour
HEPA filter	H13
Prefilter	G4

# CLEANROOM SOLUTIONS OPTIONS

## SECOND SCREEN ON THE CLEAN SIDE

The second screen on the clean side allows the operators to follow the process. The second screen offers monitoring but does not allow control of the process or programming.

## AUTOMATIC WEIGHING

Automatic weighing of the wash as it is loaded in the compartments. This system also adapts water, steam and detergents automatically to the load.

## CLEANROOM SEAL

Additional seal between GRP cover and washer, assuring maximal protection from contamination of the cleanroom. The seal is mounted on the clean side.

## ELECTRIC HEATING

The standard Mediwave is equipped with steam heating but optional electric heating is also possible.

## STAINLESS STEEL 316 / ELECTRO POLISH

Inner- and outer drum are electro polished or made entirely in 316 stainless steel.

## AUTOMATIC DOOR OPENING

Opening and closing of the outer door by a push on a button.

*Cleanroom laundry in collaboration with BeMicron - [www.bemicon.com](http://www.bemicon.com)*



Thanks to the specially designed push system, opening and closing the inner door of the Mediwave is easy and quick

# LAPAUW PRODUCT OVERVIEW

## CONVENTIONAL AND CART WASHING SOLUTIONS



### OPEN POCKET WASHER EXTRACTOR



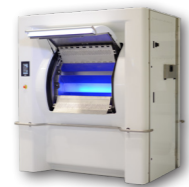
60, 100, 120, 160, 200, 300 kg with frontal loading.

### 3 POCKET WASHER EXTRACTOR



60, 100, 160, 200, 300, 400 kg with frontal loading.

### MEDIWAVE WASHER EXTRACTOR



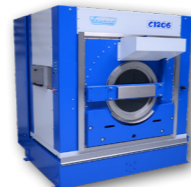
60, 80, 110 kg with side loading. Barrier Washer.

### PULLMAN WASHER EXTRACTOR



40, 60, 80, 110, 160, 200, 260 kg with side loading. Barrier Washer.

### TOPLOADER WASHER EXTRACTOR



120, 160, 200 kg with toploading & frontal unloading.

### TROLLEY-WASH



Disinfection, washing & drying. Multiple executions possible.

## IRONING SOLUTIONS - FEEDERS, IRONERS & FOLDERS

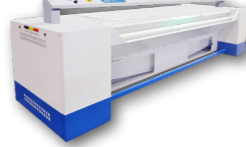


### UNIFEED



Independent vacuum feeder for small items.

### STARFEED



Small piece feeding unit for high quality manual feeding.

### STARFEED+



1 feeding station, 1 lane, up to 250 items per hour.

### EXTRA



2 stations cornerless feeding, up to 750 items per hour.

### UNIX



3-4 feeding stations, 1-2 lanes, up to 1800 items per hour.

### CLASSIC STEAM



The standard Lapauw ironer, available in different diameters and with up to 3 rolls

### CLASSIC GAS



The most efficient, heavy duty, high capacity, gas heated ironer on the market.

### XXL



The largest single roll on the market, 1600 mm chest diameter over 286°.

### IRONMAX



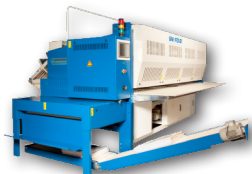
Innovative features like a new chest design and parallel oil flow pattern, a new standard.

### IRONPRO



Industrial quality for OPL and smaller laundries. Roll diameters of 500, 600 & 800 mm.

### UNIFOLD



Universal folder with 2 to 3 primary folds by air and 2 to 3 cross folds by knife in multiple lanes with drop stacker.

### STARFOLD



Cos effective folder with 2 to 3 primary folds by air in multiple lanes. The ideal single roll folder.

### STACK&FOLD



Small piece folding & stacking, in multiple lanes. One cross fold + stacking.

### FOLDPRO



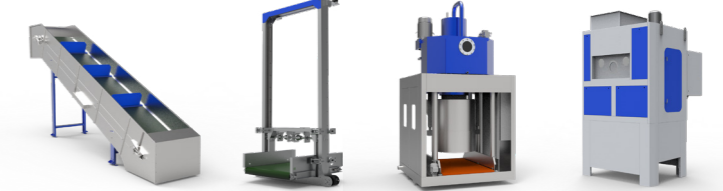
Flexible folder which folds, sorts, stacks and counts all kinds of towels.

## TUNNEL WASHING SOLUTIONS



### TUNNEL WASHING SOLUTIONS

40, 50, 60, 75, 100, 120 kg batch sizes with different sizes of dryers and presses up to 56 bar pressure.



## GARMENT SOLUTIONS



### HOT STREAM TUNNEL FINISHER

Available in Mono & Duo, both gas or steam heated.  
 ■ Mono: T1 - T6: 150 - 1000 items/hour.  
 ■ Duo: T2 - T6: 750 - 2000 items/hour.

### CONVEYOR SYSTEM

Ultra compact and flexible garment handling system with capacity up to 2000 items/hour. Endless chain system transports garments shoulder-to-shoulder.

### GARMENT FOLDER

Garment folder with capacity of 800 items/hour and one primary fold & 2 cross folds. Modular robotic system which handles any type of hanger available.

## CLEANROOM SOLUTIONS



### MEDISTREAM

The world's first dryer specifically designed and approved for cleanroom use. The MediStream is the perfect complement to our world-renowned MediWave.



### MEDIWAVE

Pass-through split-pocket washer-extractor for use in ISO-certified cleanrooms. Ergonomic design with glass-reinforced polymer exoskeleton for the highest level of hygiene.



## GARMENT SORTING SOLUTIONS



## MATERIAL HANDLING SOLUTIONS







# BEYOND **INNOVATION**



Oude Ieperseweg 139  
8501 Heule, Belgium

Tel. +32 (0)56 35 42 95  
info@lapauw.be  
www.lapauw.be

Follow us    