



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

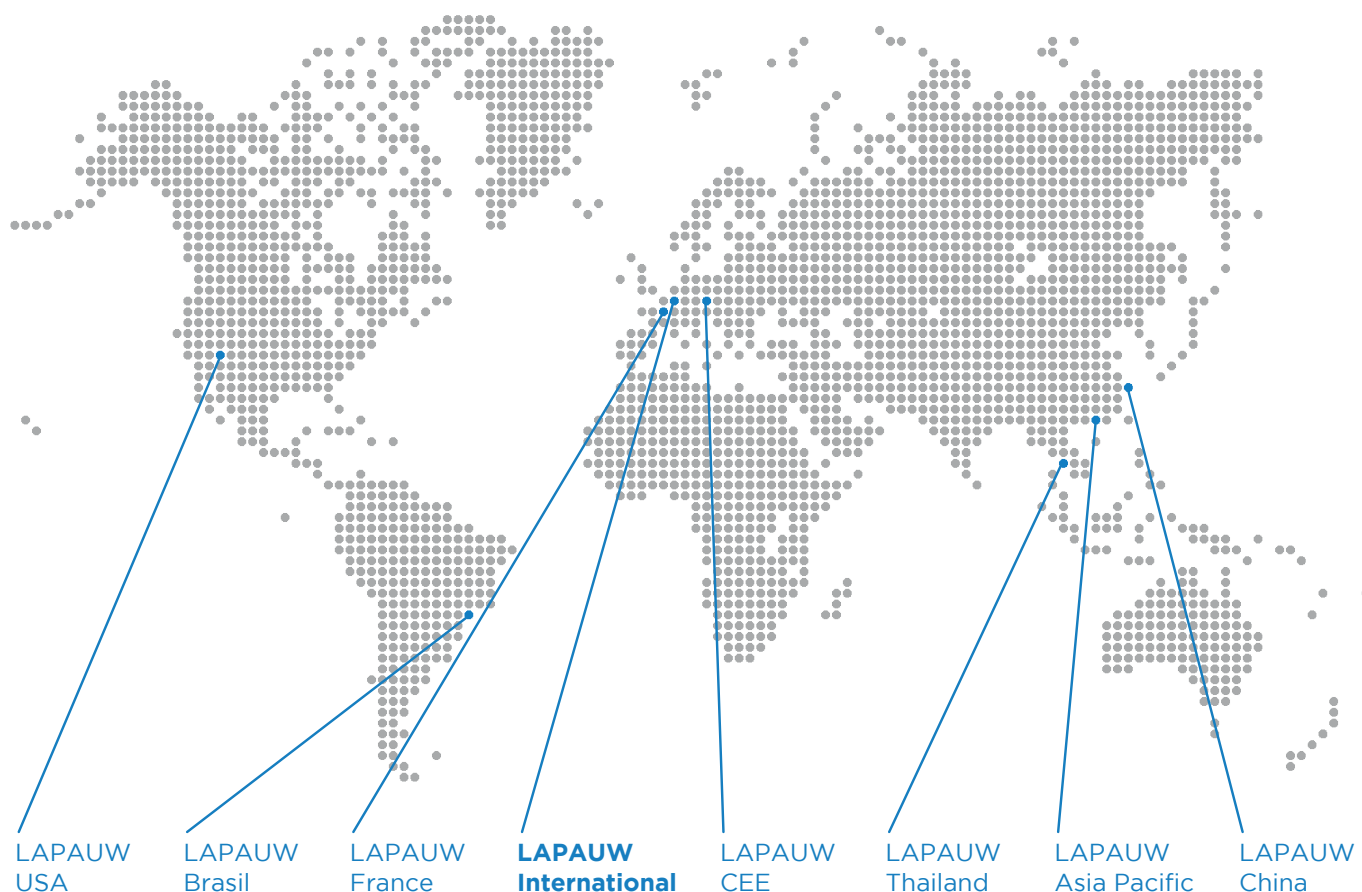


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BEYOND INNOVATION

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



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”.

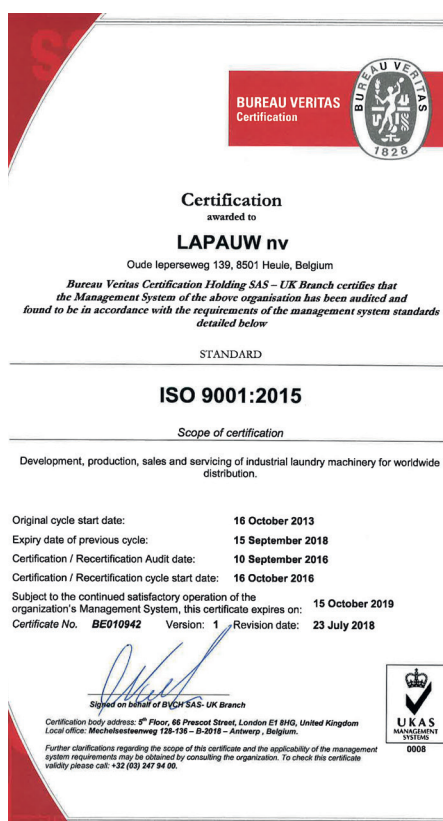
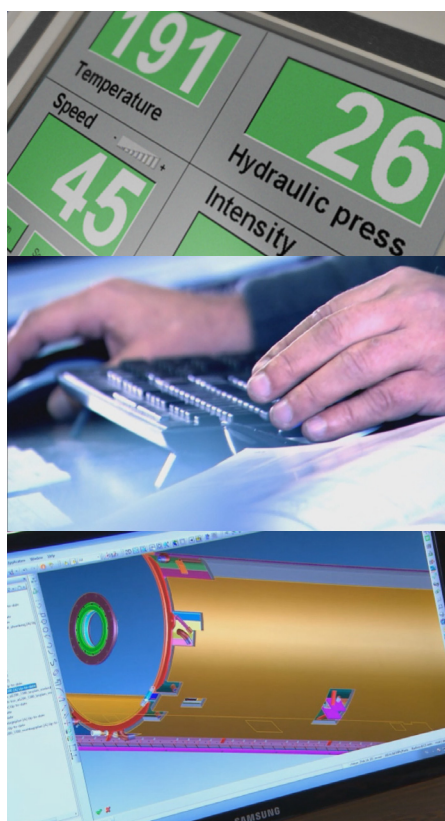
With ISO 9001:2015, we go beyond just the quality of the machines and take quality management into the whole process: from the moment we pick up the phone to the after sales and shipments of spare parts, assuring that our customers are served with the highest level of professionalism.

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

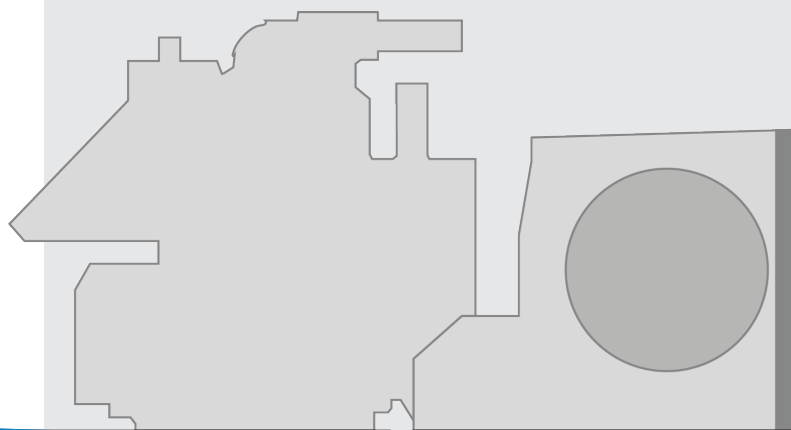


With a 1600mm diameter and a chest that covers the roll for 286°, the XXL ironer is the largest single roll ironer available in the market. Available with gas, steam or oil heating.

IRONMAX



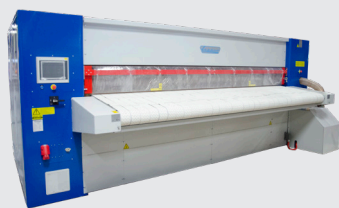
Thanks to innovative features like a new chest design and a parallel oil flow pattern, the IRONMAX gives the answer to today's and tomorrow's demands for increased productivity.



SOMETHING FOR EVERYONE.

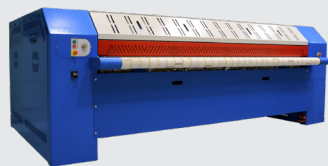
Lapauw offers *complete ironing solutions* to all your needs.

IRONERS



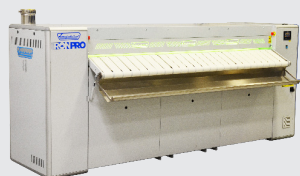
Classic gas

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.



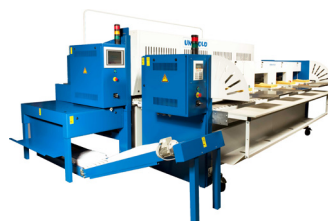
Unifold

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.

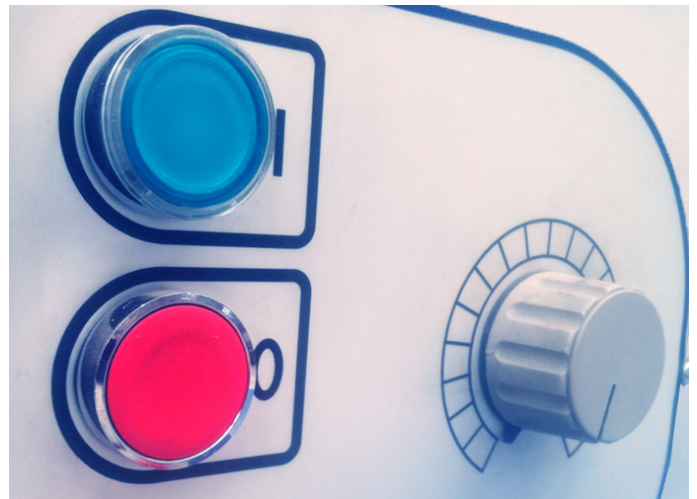
With the frequency controlled fans, the airspeed is adjustable, which allows you to optimize the airspeed to the type of linen.

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

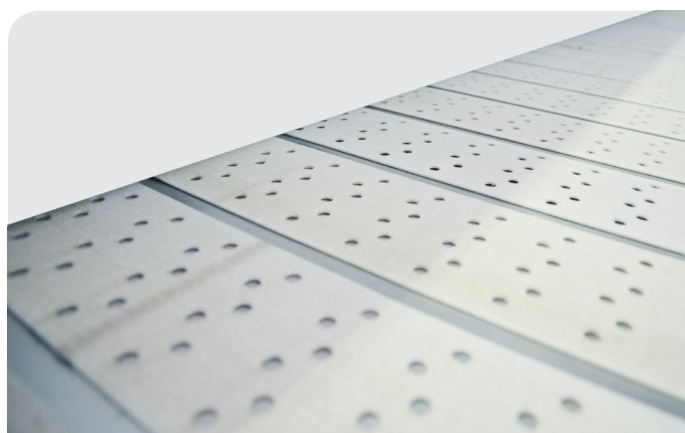
The Starfeed is available in different working widths up to 4200mm and has an adjustable exit table to suit the height of your existing ironer.

THE SMALL PIECE MACHINE

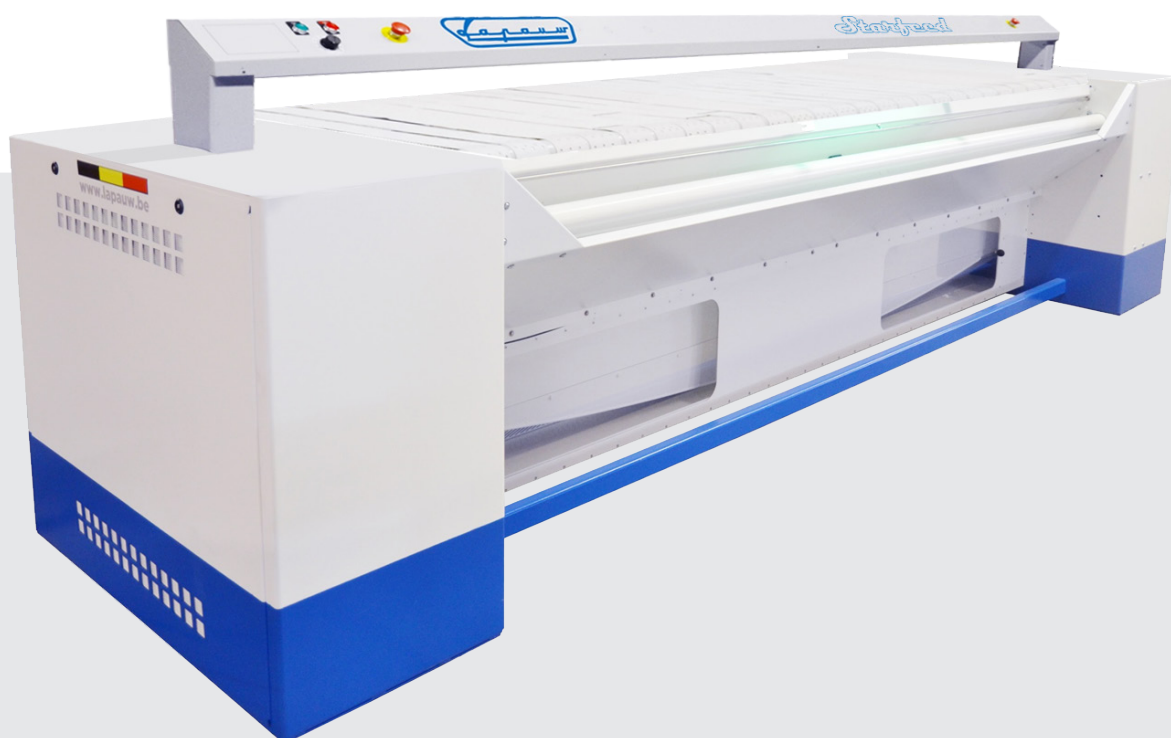
The Starfeed is the perfect small piece feeding unit.

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+

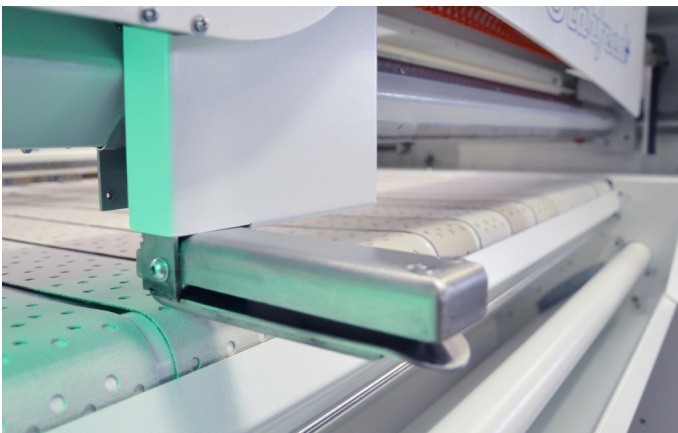
AUTOMATION STARTS HERE

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

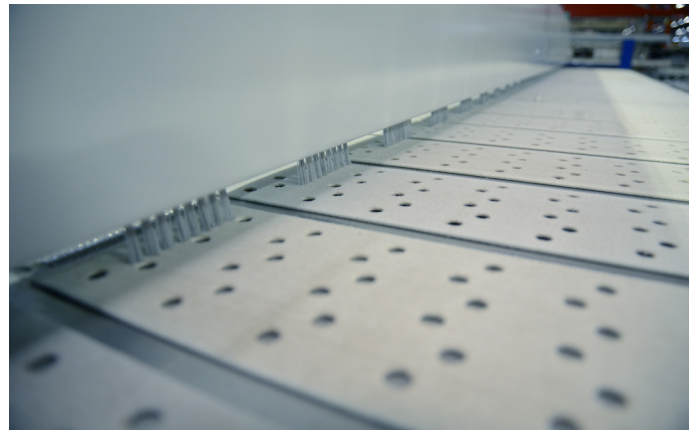
This system allows one operator to feed up to 250 items per hour. The PLC control system enables you to create different programs, adapted to the type of linen you feed.

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

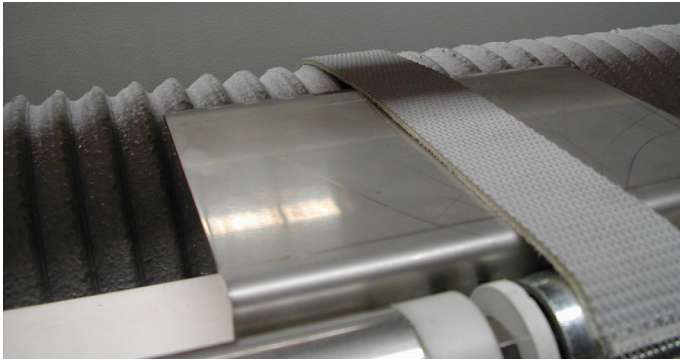
HOW IT WORKS

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.

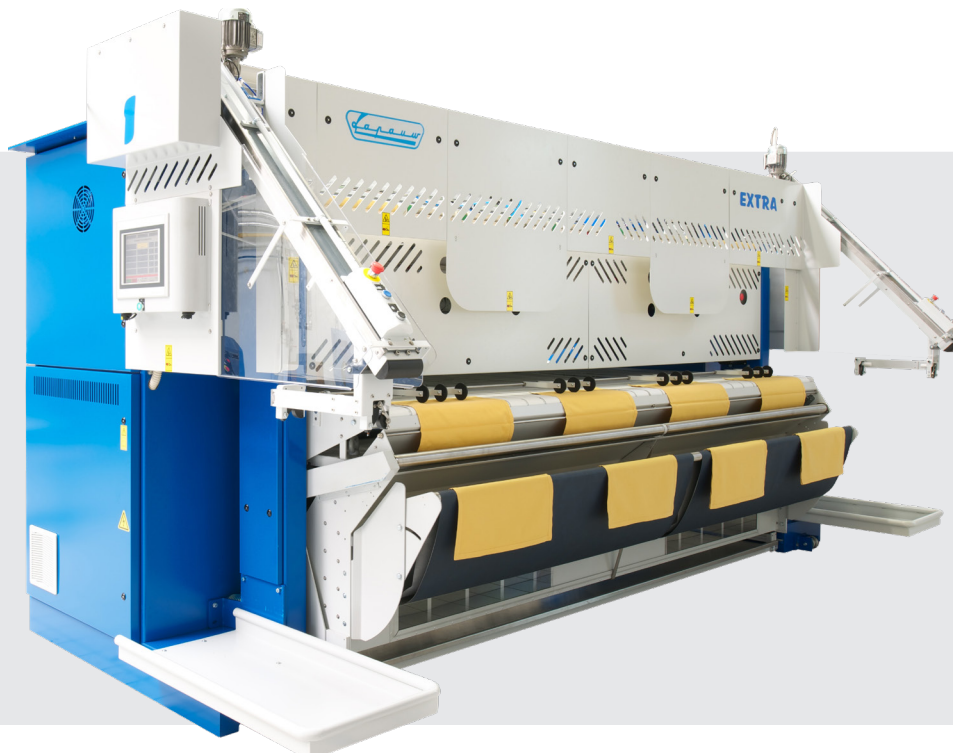
THE LOW MAINTENANCE MACHINE

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.

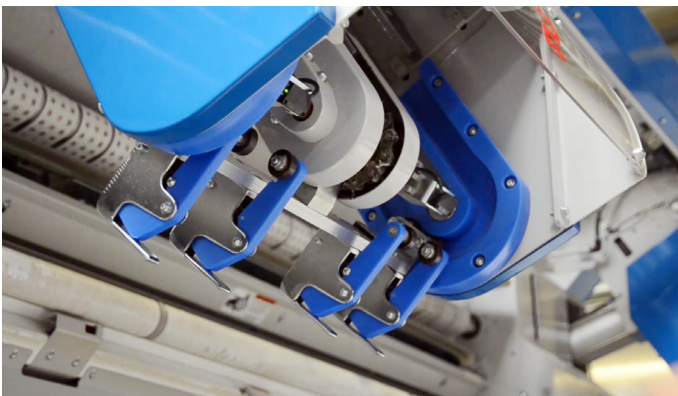


FEEDERS UNIX

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 |

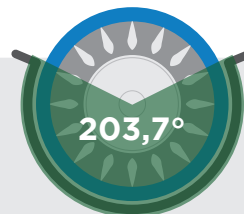
S = standard, O = option, - = not available

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

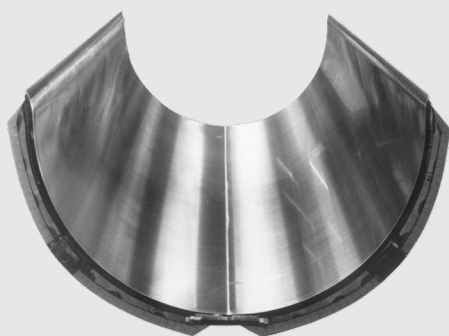
Today, Lapauw takes chest design beyond just the flexible chest. Lapauw is the sole manufacturer that assures optimal performance and efficiency by incorporating the characteristics of steam heating and thermal oil heating (gas heated ironers) into its chest design.

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.

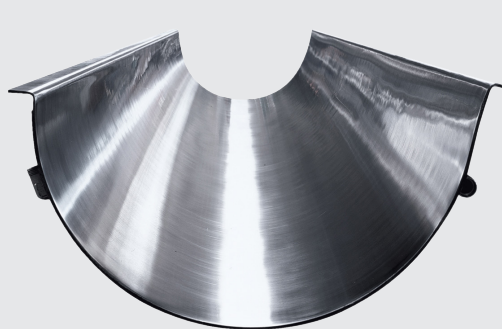
The hinge joins two 12mm thick chest elements, allowing this chest to close around the roll over an angle of more than 185°. The thickness of the chest elements provides the robustness and strength to absorb the tremendous distortion forces released by the high steam pressure, keeping the chest in perfect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

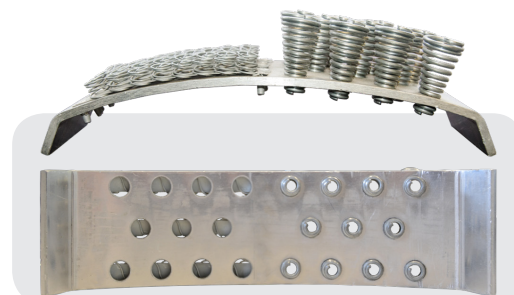
The flexible chest is well known to the laundries today, but the Lapauw chest is different from the others in many aspects like the oil flow, the heat transfer characteristics, etc... These properties result in a high efficiency chest with a maximal performance.



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.

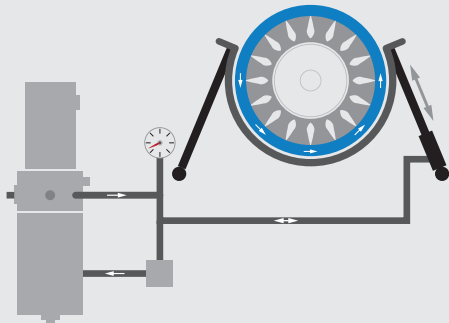


LAPAUW RAISES THE CHEST... WITH HYDRAULICS

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

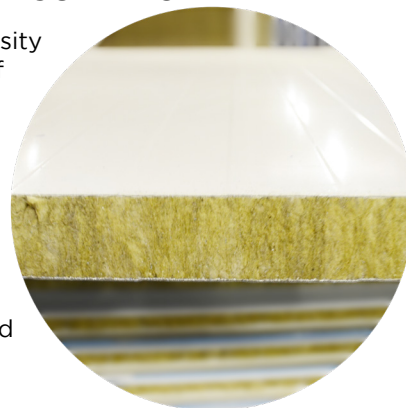
Each roll has an independent adjustable exhaust fan to assure the optimal vapor exhaust.

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.



IRONERS IRONPRO

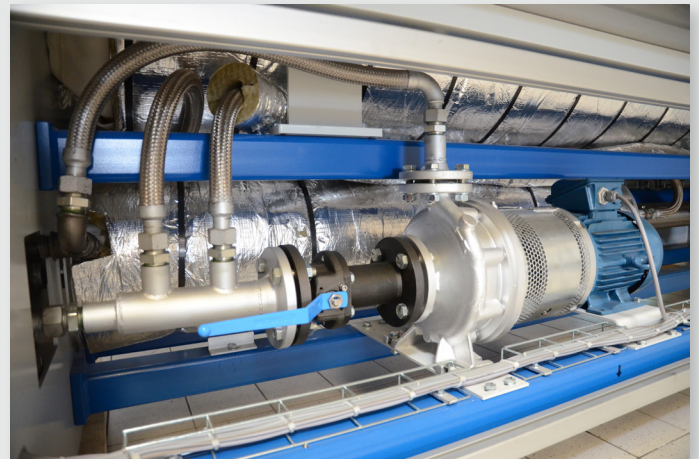


GAS HEATED CHEST IRONER

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

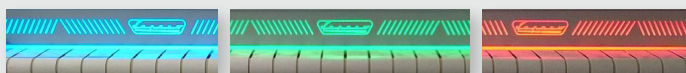
Compared to roll heated ironers with belts, the **IRONPRO** doesn't leave any marks on the ironed linen. The scrapers assure a perfect and smooth push off of the linen from the roll without any visible marks.



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

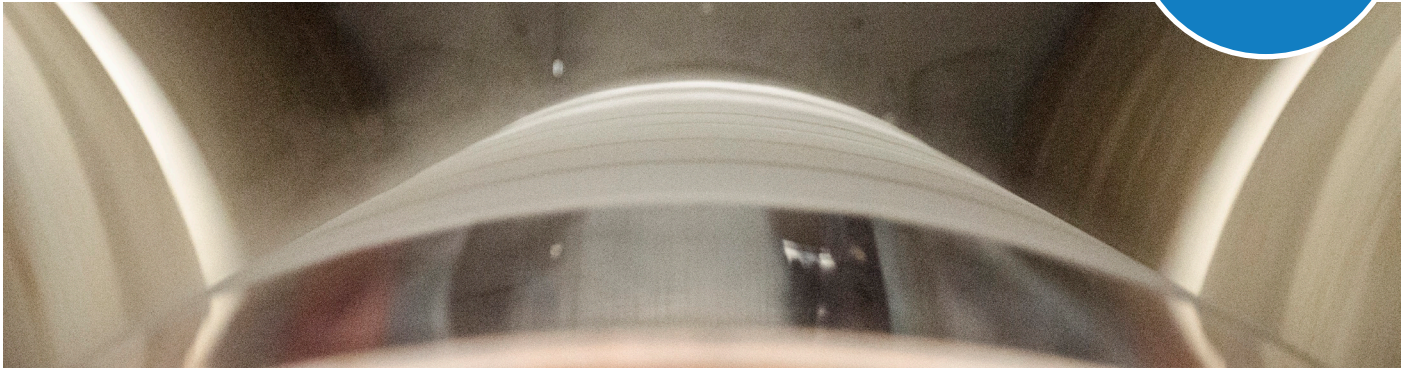
OPTIONS

- 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 condens 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.



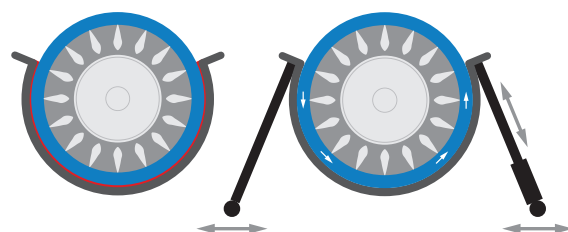
MAXSUCTION

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

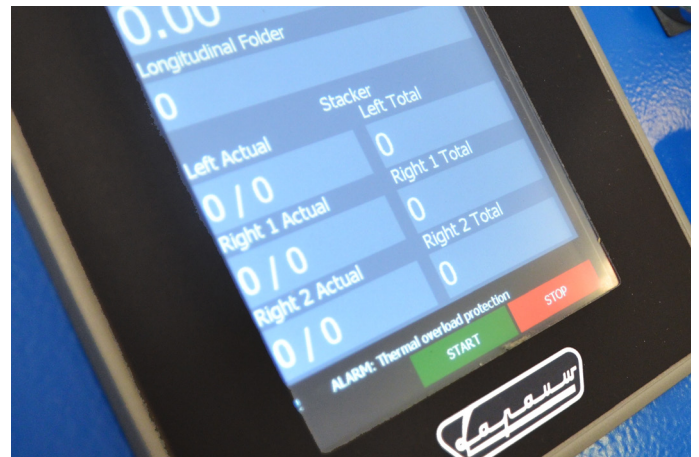
The thick, hinged chest not only assures the robustness to support the high steam pressures, it is also designed for optimal heat transfer.

- 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.

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.



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.



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.

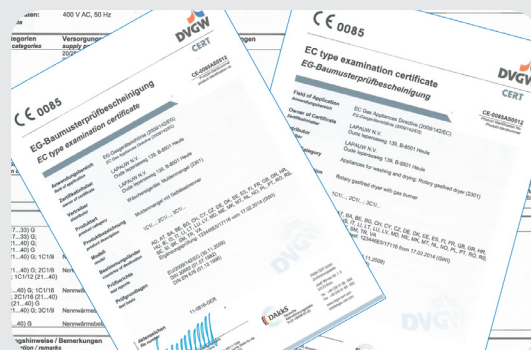
OPTIMAL OIL FLOW

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

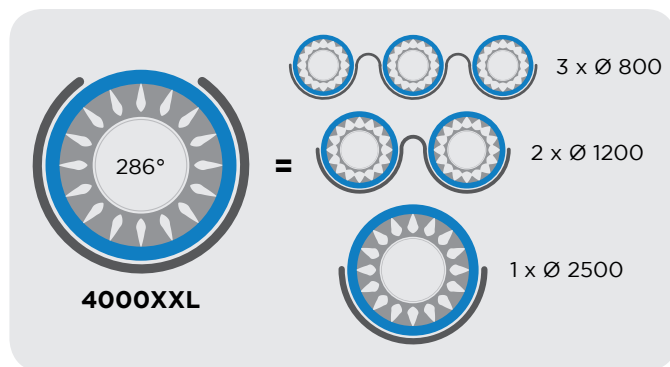
THE LARGEST SINGLE ROLL ON THE MARKET ASSURES A FIRST CLASS IRONING FINISH

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 envelopes 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.

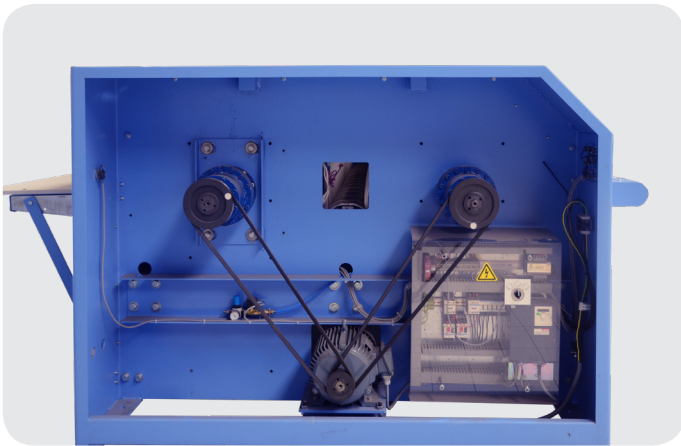
The 4000XXL is, as standard, equipped with perforated feedbands and suction.



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.



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

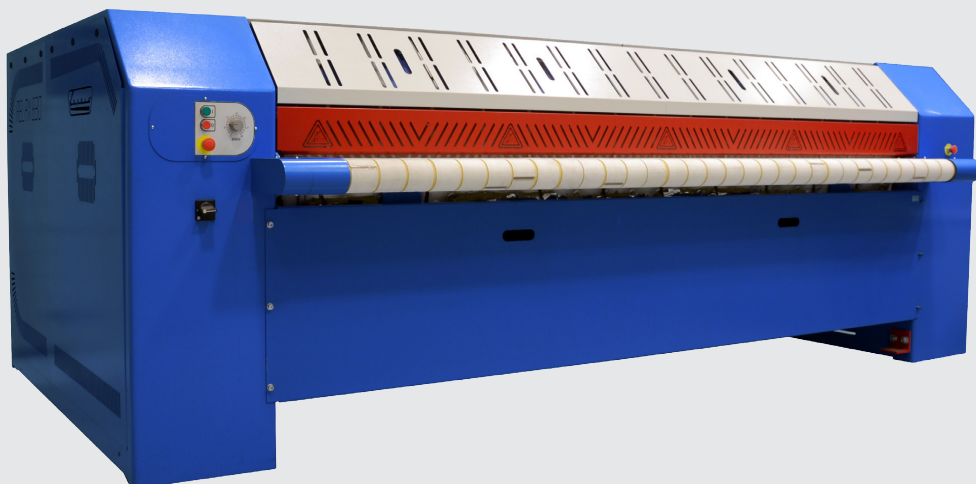
The gap piece is formed by chest of the first and second roll. Thanks to this, the gap between the first and second roll is heated.

The individual suction per roll assures optimal moisture removal.

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.



IRONERS OPTIONS

| | Classic Steam | Classic Gas | 4000XXL | Relax |
|---|---------------|-------------|---------|-------|
| High temperature Aramid padding ⁽¹⁾ | 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) ⁽²⁾ | O | O | - | O |
| Exit conveyor ⁽³⁾ | O | O | - | O |
| Exit conveyor 4000XXL | - | - | O | - |
| Stop pedal ⁽⁴⁾ | O | O | O | O |
| Microprocessor control system ⁽⁵⁾ | 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 ⁽⁶⁾ | O | O | S | O |
| Power plugs for connection to feeder and folder | O | O | O | - |
| Waxing and cleaning cloth ⁽⁷⁾ | O | O | O | O |

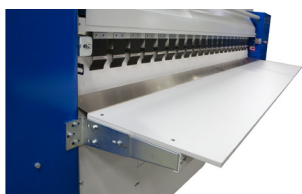
* Standard on all 2 roll 1200 / 1600 gas heated ironers.

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

⁽¹⁾ 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.

⁽²⁾ Exit table



⁽³⁾ 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.

⁽⁴⁾ Stop pedal

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

⁽⁵⁾ 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

⁽⁶⁾ 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.

⁽⁷⁾ Waxing and cleaning cloth





FOLDERS STARFOLD

THE LAPAUW ECONOMIC FOLDING SOLUTION

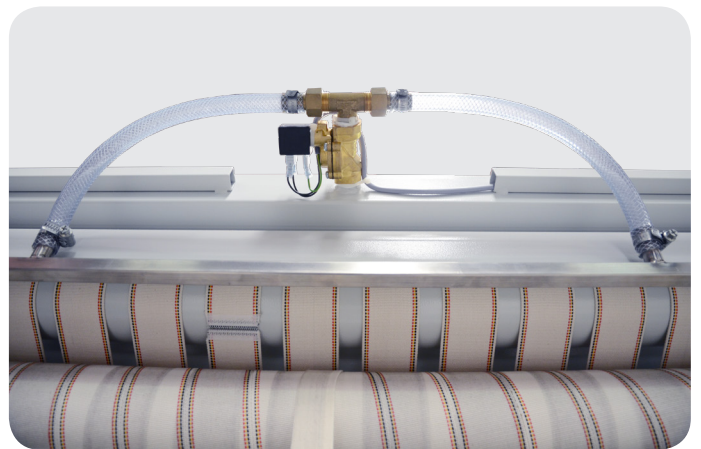
The Lapauw Starfold offers the quality of the larger Unifold, but also offers a compact solution for a small or middle sized laundromat. The folder has standard two long folds executed by airstblast. A third long fold can be added as an option.

AUTOMATION AND FLEXIBILITY

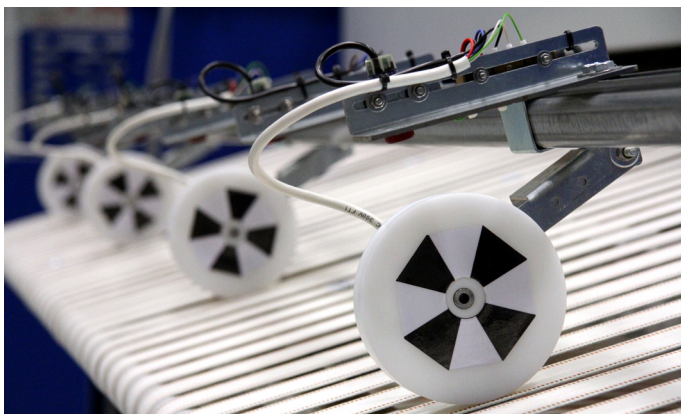
The functions 'Automatic Lane Coupling' (ALC) for small piece primary folding and 'Automatic Fold Selection' (AFS) are standard features on the Starfold. This allows you to process a wide variety of items without the need for frequent program changes or even sorting before the ironing process.

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.



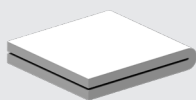
Blow pipes



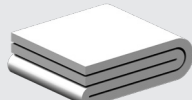
FOLDING PATTERNS

Starfold 2

Primary folding



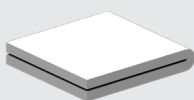
1 x Long Fold



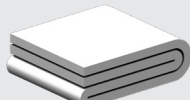
2 x Long Fold

Starfold 3

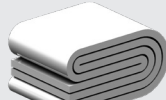
Primary folding



1 x Long Fold



2 x Long Fold



3 x Long Fold



FOLDERS UNIFOLD

THE ALLROUND FOLDING MACHINE

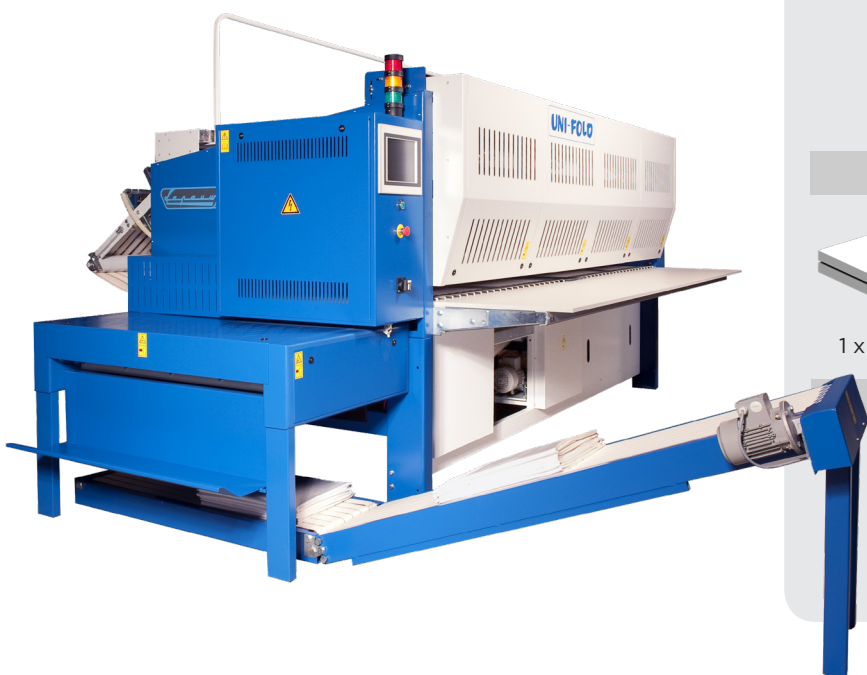
Do you need a folder for a high production line or do you only need a primary folding? Thanks to the modular design, the Unifold offers you the flexibility to select the folder that perfectly fits your requirements and yet keeps a standard for all your ironing lines.

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.

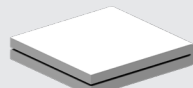
FOLDING PATTERNS

Unifold 2

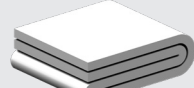
Primary folding



Total bypass

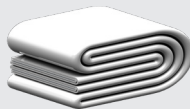


1 x Long Fold

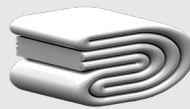


2 x Long Fold

Crossfolding



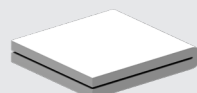
2 x Crossfold



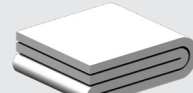
3 x Crossfold

Unifold 3

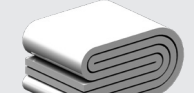
Primary folding



1 x Long Fold

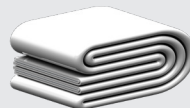


2 x Long Fold

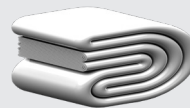


3 x Long Fold

Crossfolding



2 x Crossfold

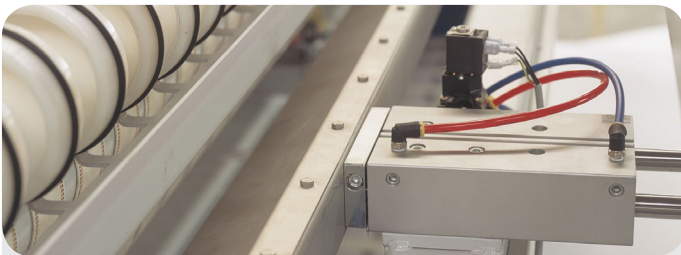


3 x Crossfold

FOLDERS SUPERFOLD

FIRST CLASS FOLDING WITH KNIVES

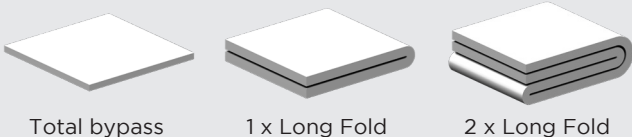
Knife folding is standard on all primary and cross folds. This provides a clear and precise fold of consistent quality, regardless the item's thickness or quality. This makes the Superfold the ideal machine for your high quality work, such as table linen and pillow cases. The stacker has a pneumatic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



FOLDING PATTERNS

Superfold 2

Primary folding

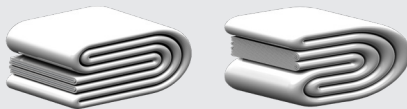


Total bypass

1 x Long Fold

2 x Long Fold

Crossfolding

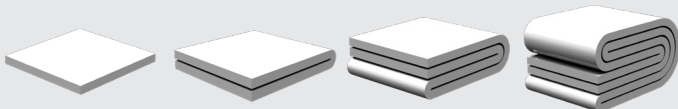


2 x Crossfold

3 x Crossfold

Superfold 3

Primary folding



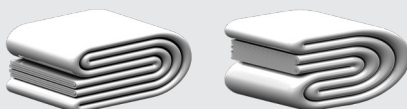
Total bypass

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 ⁽¹⁾ | O | O | O |
| Primary folding in 3 lanes ⁽¹⁾ | O | O | O |
| Primary folding in 4 lanes ⁽¹⁾ | 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 ⁽²⁾ | O | O | - |
| Double stacker | O | O | - |
| Exit conveyor returning to feed side | O | O | - |
| Knife folding on first primary fold | O | - | - |
| Complete bypass ⁽³⁾ | O | S | O |
| Anti-static bar | O | O | O |
| Walkway with ladder | S | S | O |

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

⁽¹⁾ Primary folding in multiple lanes

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

⁽²⁾ Stacker left/right

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

⁽³⁾ Complete bypass

Complete bypass is free of cost on Unifold 2



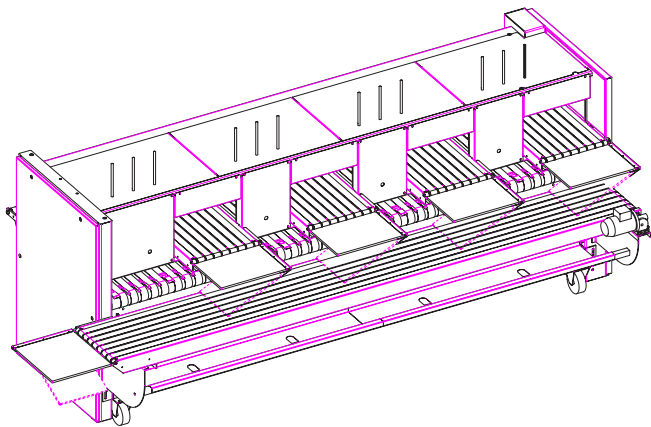
FOLDERS STACK & FOLD

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

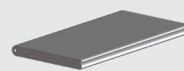


Lateral Fold 1/3

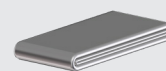


Fixed Size

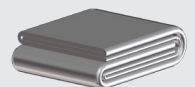
Crossfolding



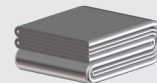
Total bypass



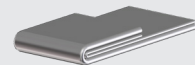
Crossfold 1/2



Crossfold 1/3



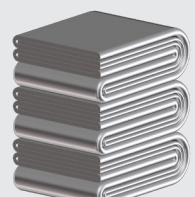
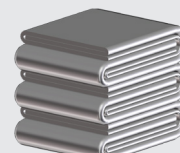
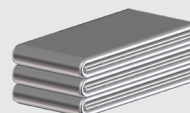
Crossfold 1/4



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



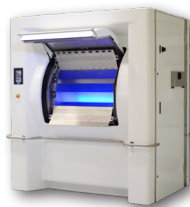
**OPEN POCKET
WASHER
EXTRACTOR**

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



**3 POCKET
WASHER
EXTRACTOR**

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



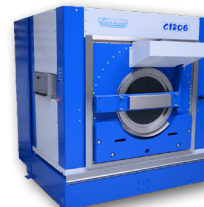
**MEDIWAVE
WASHER
EXTRACTOR**

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**

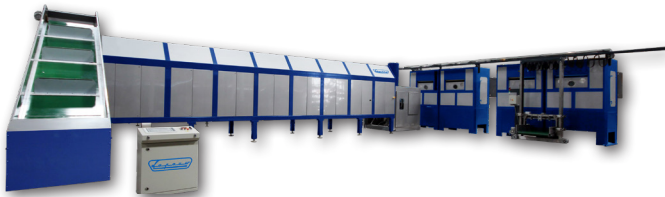
120, 160, 200 kg with toploading & frontal unloading.



**TROLLEY-
WASH**

Disinfection, washing & drying. Multiple executions possible.

TUNNEL WASHING SOLUTIONS



TUNNEL WASHING SOLUTIONS

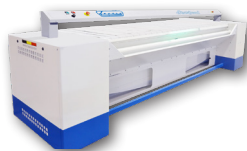
40, 50, 60, 75, 100, 120 kg batch sizes with different sizes of dryers and presses up to 56 bar pressure.

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

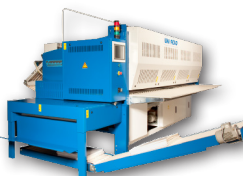
Two stations cornerless feeding, up to 750 items per hour.



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



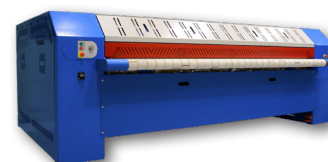
CLASSIC GAS

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°.



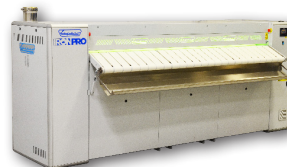
RELAX

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.



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