



IRONING SOLUTIONS



Lapauw throughout the *world*

Worldwide dealer network:

Lapauw has a worldwide dealer network 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

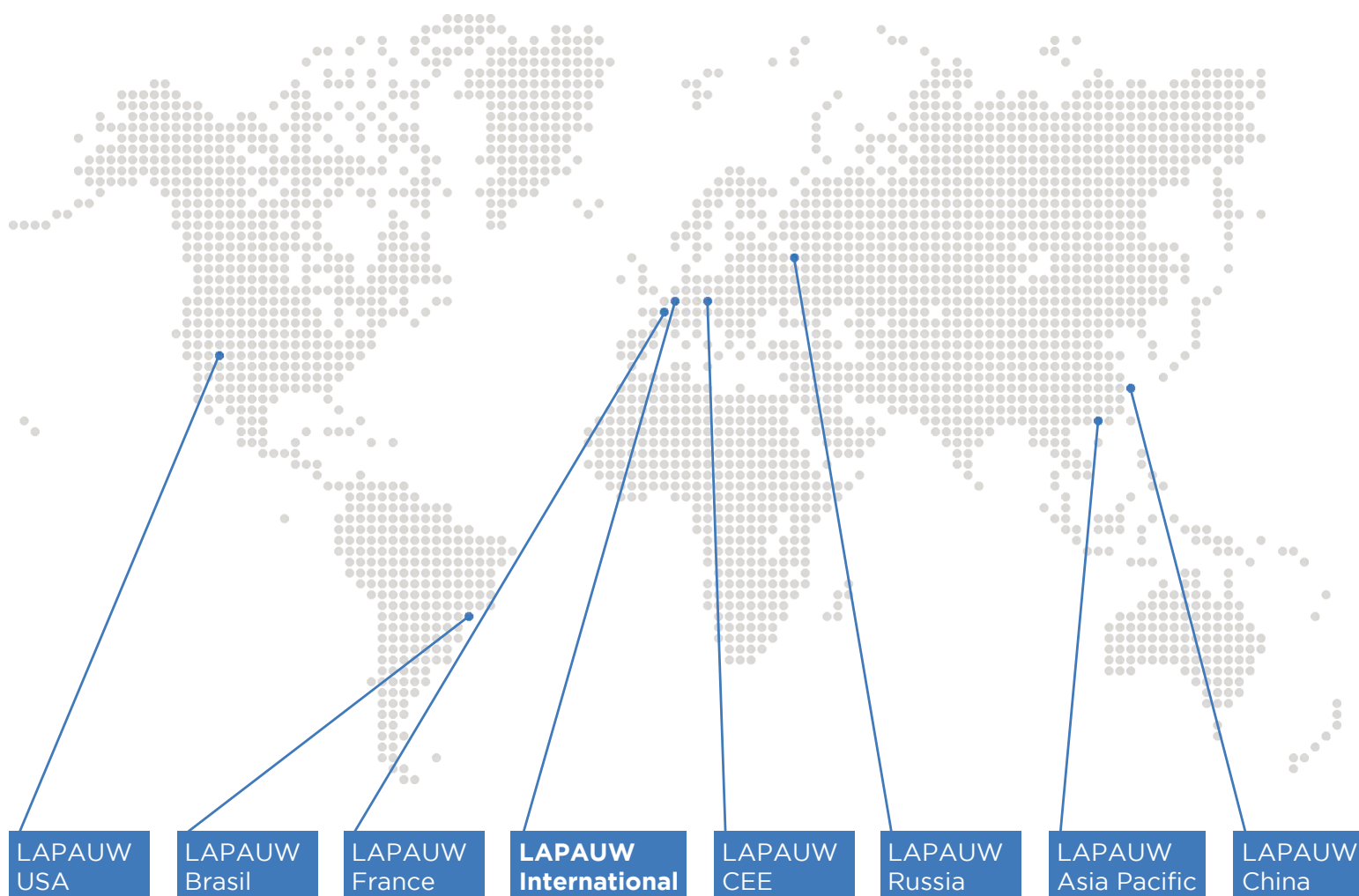


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BEYOND INNOVATION

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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 development? 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 finish it delivers.
- The Lapauw Trolley Wash takes care of trolleys or even disinfects hospital beds.

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



“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 ecology.

The R&D team is located in the factory in Kortrijk, where they stay in close contact with sales and manufacturing. 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 9001:2008 certificate in 2013, 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 9001:2008, 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 lines: Overview

Lapauw *Feeders*



Unifeed

The Unifeed is the integrated vacuum solution for all Lapauw 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

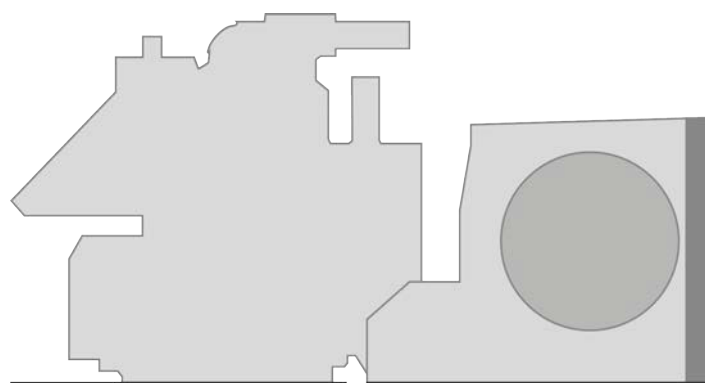


With a 1600mm diameter and a chest that covers the roll for 286°, the XXL ironer is the largest single roll ironer available in the market. Available with gas, steam or oil heating.

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.



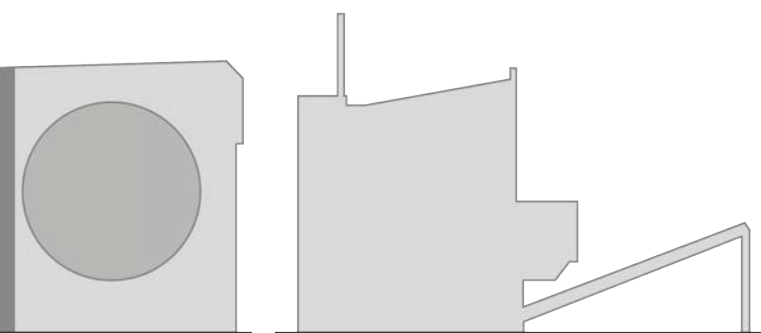
Superfold

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.



Feeders Unifeed

Key *Benefits*

Efficient manual feeding

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

As the Unifeed creates a powerfull 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.

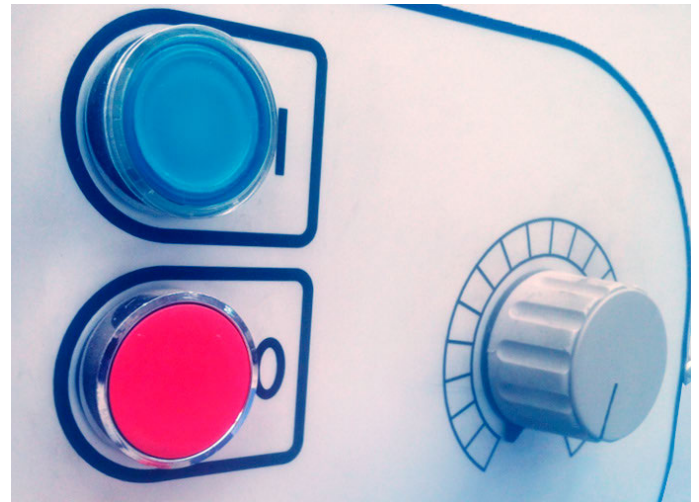
With the frequency controlled fans, the airspeed is adjustable, which allows you to optimize the airspeed to the type of linen.

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

Key *Benefits*

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.

Ease of use and maximal flexibility

The Starfeed has a feeding height of 1065 mm, a comfortable height for everyone.

Fits any ironer

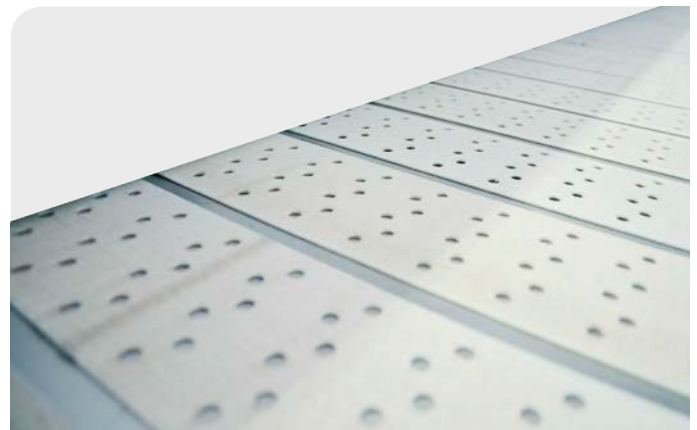
The Starfeed is available in different working widths up to 4200mm and has an adjustable exit table to suit the height of your existing ironer.

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+

Key *Benefits*

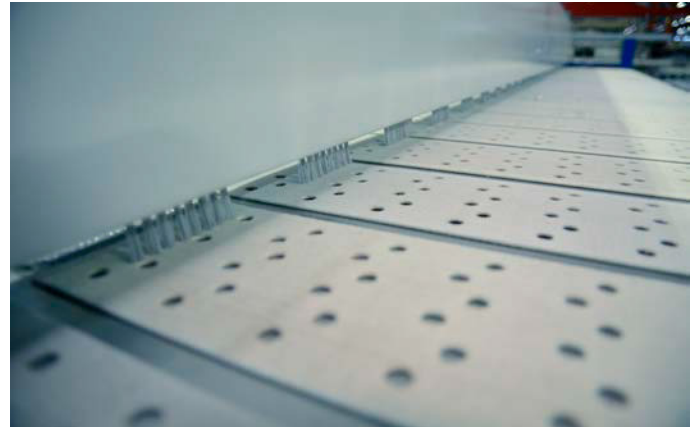
Automation starts here

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

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



Clamp feeding module



Brushes installed on the exit conveyor (optional)

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.



Feeders Extra

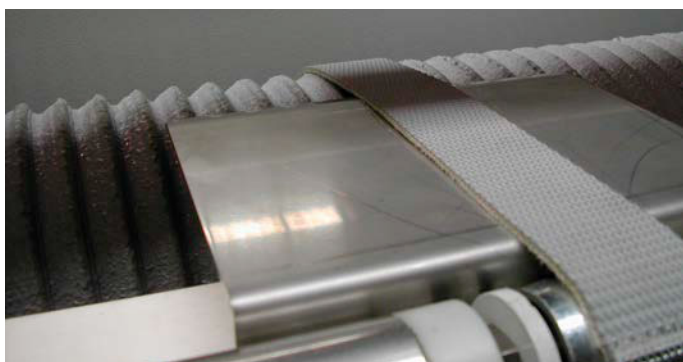
Key *Benefits*

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.



Correction roll

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.



Correction roll

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 3000 up to 4000 mm. The Unix also allows manual feeding.

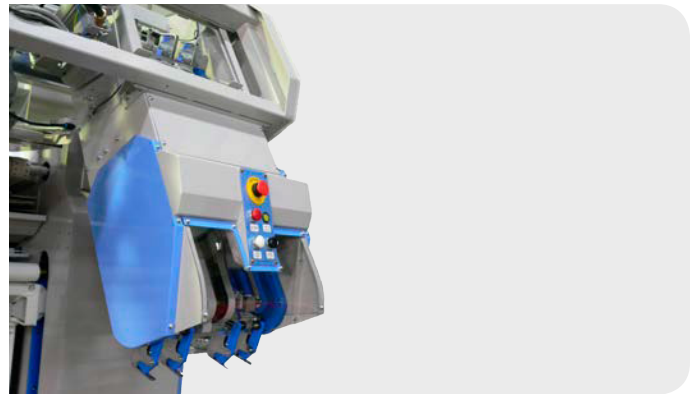
Key *Benefits*

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.

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.



Spreading of 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.



Straight edges

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.



Extreme smoothening of the linen by suction flap and brushes

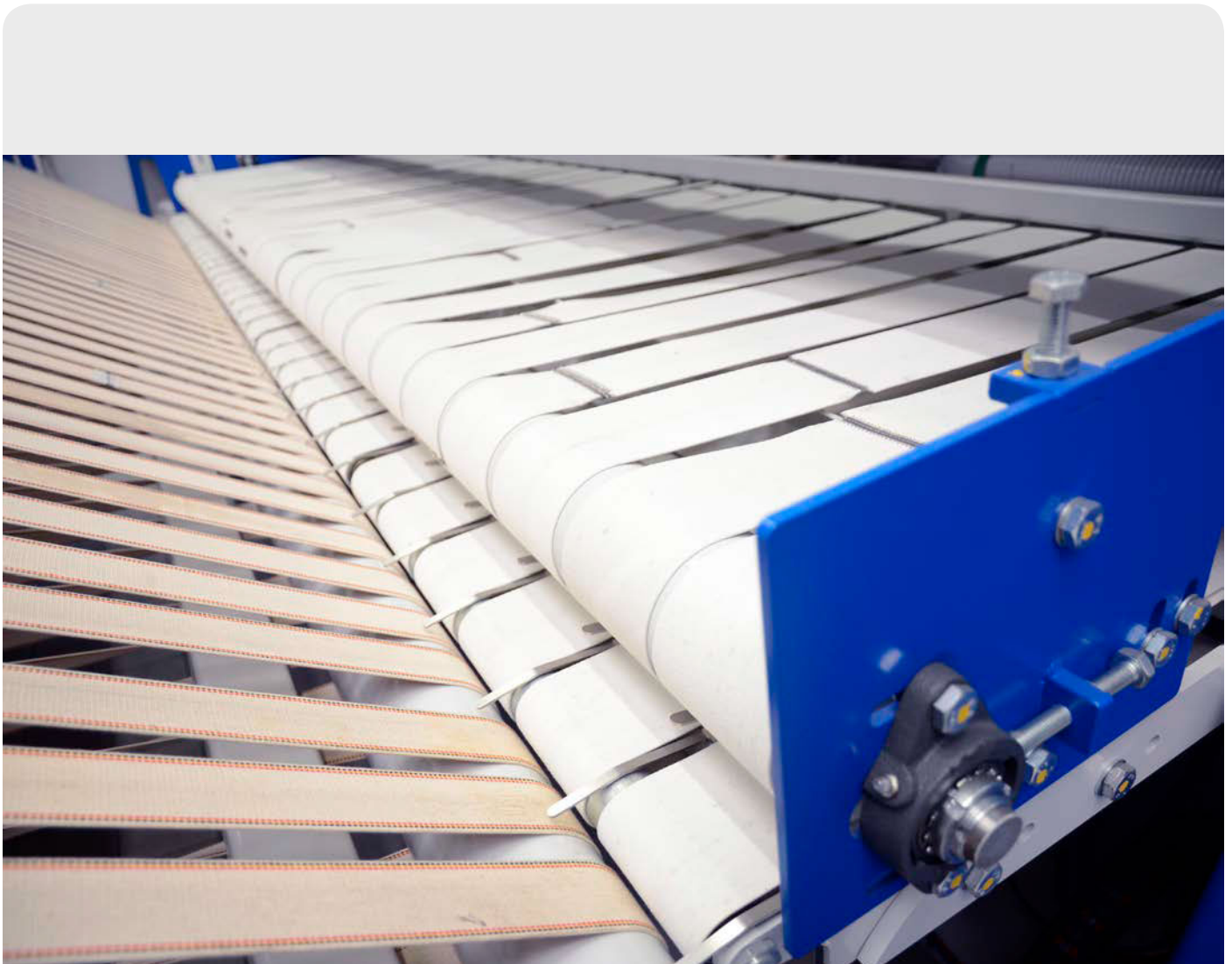
The Unix vacuum unit and brushes assure that the linen is straightened out. The vacuum unit also disposes of a suction flap for the heaviest of items. The suction flap is a programmable flap in the vacuum unit that enhances the shaking effect on the linen.



Feeders Options

Feature	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



Sandwich conveyor

Feeders

Technical Specifications

General

		Unifeed	Starfeed	Starfeed+	Extra	Unix
Number of stations	#	N/A	N/A	1	2	3-4
Number of lanes with automatic feeding	#	N/A	N/A	1	1	1 / 1-2
Production capacity automatic feeding*	pc/hr	N/A	N/A	250	750	1100 / 1600
Working width	mm	2700-4200	2700-4200	3000-4000	3000-4000	3000-4000

		Unifeed	Starfeed	Starfeed+	Extra	Unix
Electrical consumption	kWh	2,25	3	3,2	7	7,5-11,5
Air pressure	Bar	N/A	N/A	6	6	6
Air consumption	l/pc	N/A	N/A	2	6	6

Dimensions**

		Unifeed	Starfeed	Starfeed+	Extra	Unix
Width	mm	3675	3810	3810	4750	4590-5180***
Depth	mm	795	1510	1510	2660	2795
Height	mm	1005	1335	1440	2590	2395
Weight	kg	720	950	1290	1980	4500

Standard supply voltage: 3 x 400V (+/- 5%) + N - 50Hz or 3 x 460V (+/- 5%) + N - 60Hz
Other supply voltages are optional

* Production capacity depends on size and type of linen

** All dimensions based on 3300mm working width

*** 3 station feeder - 4 station feeder



Ironers

Lapauw Key Benefits

Dedicated chest design

Together with its very first ironer, over 60 years ago, Lapauw introduced the flexible chest principle to the laundries. 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 distorts thin chests. This is why Lapauw chooses to work with the thick, hinged chest for steam heated ironers, instead of the thin, flexible chest.

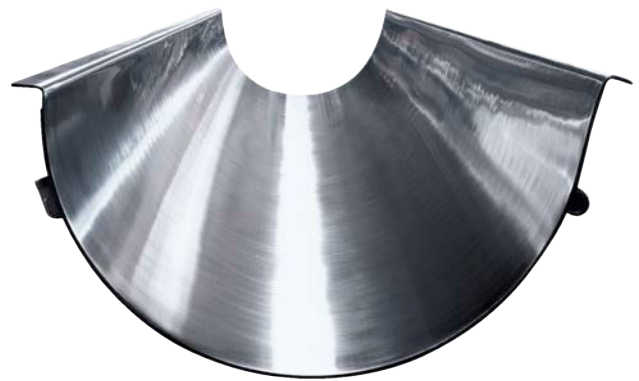
The hinge joins two 12mm thick chest elements, allowing this chest to close around the roll over an angle of more than 185°. The thickness of the chest elements provides the robustness and strength to absorb the tremendous distortion forces released by the high steam pressure, keeping the chest in perfect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



All Lapauw chests are manufactured in our own factory in Heule - Belgium

Optimal heat transfer assured by parallel circuits

Whether steam or gas, the Lapauw chest design assures optimal heat transfer and the highest efficiency with parallel circuit technology, where the chests are divided in independent steam compartments or oil circuits. The parallel circuit assures consistent and uniform ironing temperature over the full ironing surface.

100% carbon steel prevents 'cold spots' in the chest

Lapauw is the only manufacturer that manufactures his chest fully in high grade carbon steel.

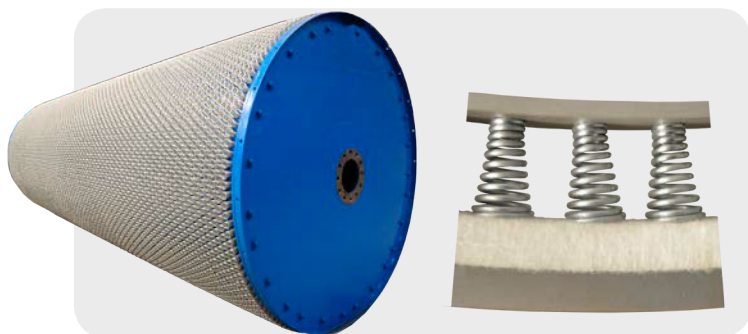
With a heat conduction factor that's 4 times higher than stainless steel, the carbon steel chest propagates heat much faster. Carbon steel assures optimal heat distribution over the full ironing surface and prevents 'cold spots'.

Individual Lapauw springs*

Each Lapauw roll is performed with large individual springs.

The individual 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.



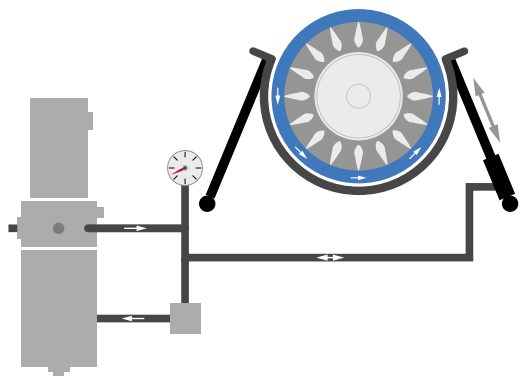
Individual Lapauw springs

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.



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.

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.



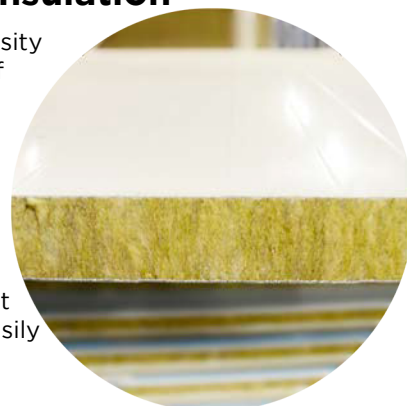
High power extraction per roll

Maintenance made simple

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

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 Classic steam

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

Key *Benefits*

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

Key *Benefits*

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

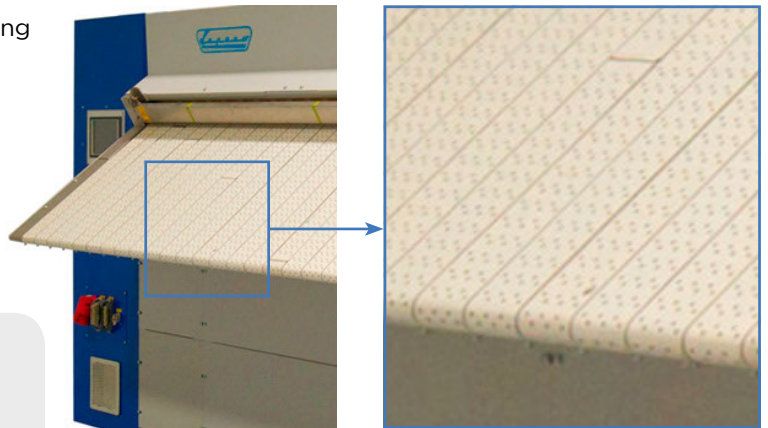
The 4000XXL is available in both steam and gas heated version.

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.



Perforated feedbands with adjustable speed

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

Key *Benefits*

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

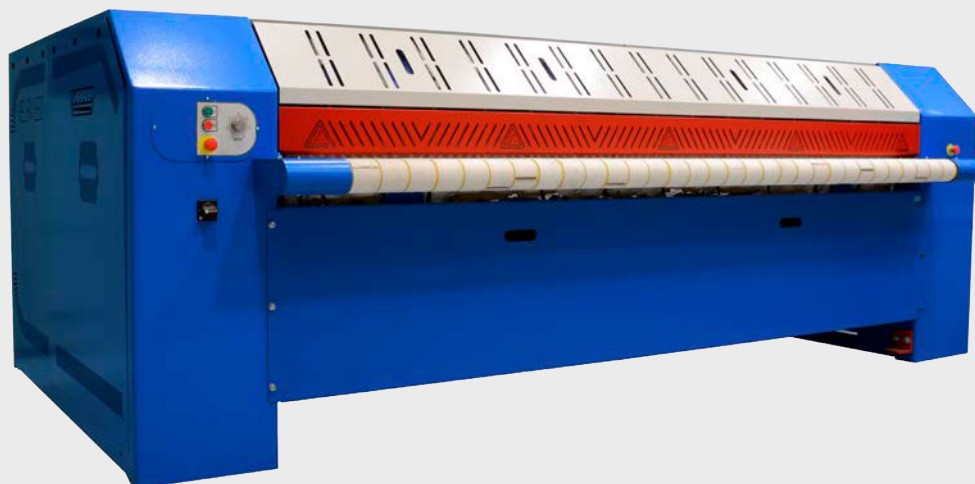
The gap piece is formed by chest of the first and second roll. Thanks to this, the gap between the first and second roll is heated.

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 IRONMAX

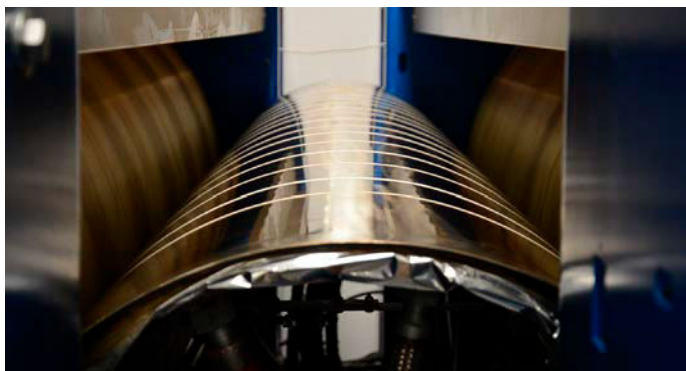
Key *Benefits*

MAXSURFACE

With the redesigned chests and bridges, the **IRONMAX** offerst 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.

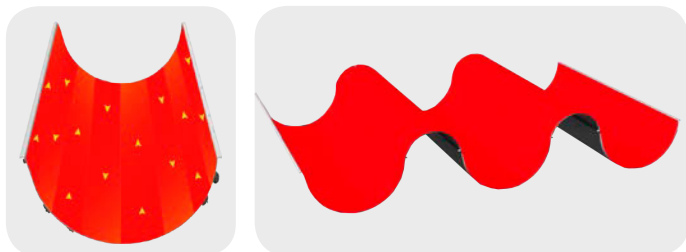
The **IRONMAX** also is equipped with redesigned bridges, that offer > 1 meter ironing passage per bridge.



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.



MAXACCESS

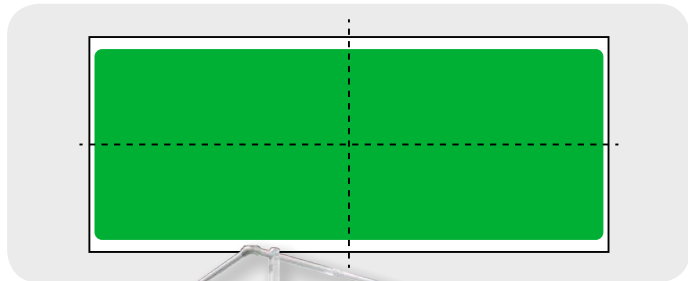
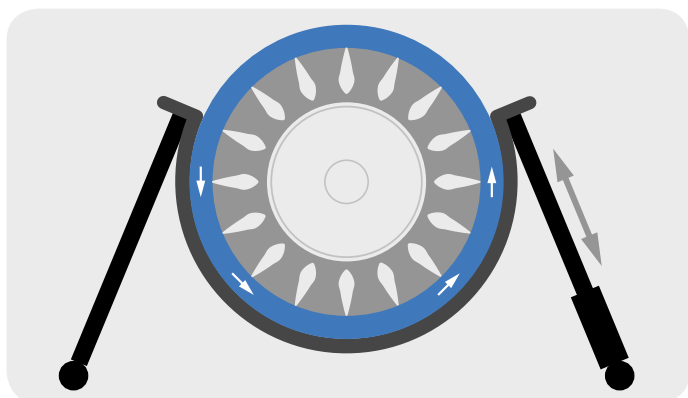
The **IRONMAX** is designed for ease of maintenance. Strategically located removable cover plates grant easy access to all components, even to the chests and flexibles. Optional translucent side covers enable visual inspection and allow for visual maintenance.

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.





Technical *Specifications*

General

	IRONMAX DUO 1200	IRONMAX TRIO 1200
Roll Diameter	1200 mm	1200 mm
Number of rolls	2	3
Available working widths	3000 - 4200 mm	3000 - 4200 mm
Suction Power	2160 m ³ /h per roll	2160 m ³ /h per roll
	adjustable	adjustable
Ironing speed Individual roll drive	10 - 60 m/min	10 - 60 m/min
Ironing length under pressure	3,9 m	5,85 m
Total heated path	4,9 m	7,85 m
Evaporation Capacity	385 l/h	580 l/h

Heating System

The IRONMAX is for the moment available with gas heating.

	IRONMAX DUO 1200 GAS	IRONMAX TRIO 1200 GAS
Burner type	Modulating (RS 45/M BLU*)	Modulating (RS 68/M BLU*)
Burner power	550 kW	860 kW
Modulating range	90 kW - 550 kW	150 kW - 860 kW
Oil contents	380 liter	520 liter
Required gas pressure	60 - 360 mbar	

Blu = LowNOX technology

All data is based on 3300 mm working width.

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
- Hand rail and ladder

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.

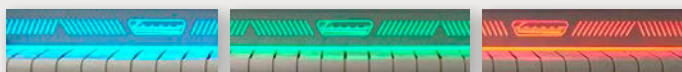
Compared to roll heated ironers with belts, the IRONPRO doesn't leave any marks on the ironed linen. The scrapers assure a perfect and smooth push off of the linen from the roll without any visible marks.



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 Specifications.

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). Also, all IRONPRO models are available in a gas heating and electric heating version.

	500	600	800
Working width	2200 - 2500 - 2700 3000 - 3300	2200 - 2500 - 2700 3000 - 3300	2200 - 2500 - 2700 3000 - 3300 - 3500
Production capacity			
Heating power	52 kW	91 kW	189 kW
User interface	Colour touchscreen	Colour touchscreen	Colour touchscreen
Motor power			
Maximum speed	12 m/min	14 m/min	16 m/min
Fan motor			
Total electric power			
Gas inlet			
Gas exhaust diameter			
Roll exhaust diameter			
Width			
Length			
Height			
Weight			

Ironers Options

Feature	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

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

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




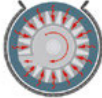


* Standard on all 2 roll 1200 / 1600 gas heated ironers.

Ironers

Technical Specifications

Range

Roll diameter				
600 mm diameter	S/G/E	S/G/E/O	S/G/O	-
800 mm diameter	S/G/E	S/G/E/O	S/G/O	-
900 mm diameter	S/G/E/O	S/G/E/O	S/G/O	-
1200 mm diameter	S/G/E/O	S/G/O	S/G/O	-
1600 mm diameter	S/G/O	S/G/O	S/O	S/G/O

S = Steam heated, G = Gas heated, E = Electric heated, O = Oil heated

Steam heated

Roll diameter	mm	600			800			900		
Number of rolls	#	1	2	3	1	2	3	1	2	3
Available working width*	mm	1750-3500	3000-3500	3000-3500	1750-3500	3000-3500	3000-3500	3000-4200	3000-4200	3000-4200
Production capacity**	kg/hr	175	350	530	250	520	790	290	590	890
Ironing length under pressure	mm	955	2000	3000	2360	2800	3200	1450	2900	4350
Total heating length	mm	955	2500	4000	2360	3300	4200	1450	3400	5350
Standard ironer speed	m/min	1,5-5,5	4,5-18	6-24	3-12	6-24	9-36	6-16	6-24	9-36
Motor power	kW	1,5	4	7,5	2,2	5,5	15	4	5,5	15

Number of steam traps	#	2	5	8	2	5	8	2	5	8
-----------------------	---	---	---	---	---	---	---	---	---	---

Dimensions***	mm	600			800			900		
Width	mm	4530	4435	4435	4530	4555	4555	4530	4530	4530
Depth	mm	2000	2460	3520	2000	2860	4120	1700	3060	4420
Height	mm	1670	1450	1450	1670	1520	1520	1540	1540	1540
Weight	kg	5000	5800	8700	5000	6800	10200	4050	8100	12150

Standard supply voltage: 3 x 400V (+/- 5%) + N - 50Hz or 3 x 460V (+/- 5%) + N - 60Hz
Other supply voltages are optional

* Other working widths are available on request.

** Production capacity with 50% rest moisture at 10 bar steam pressure and 80% bed coverage (on 3300mm working width)

*** All dimensions based on 3300mm working width.



Roll diameter	mm	1200			1600			XXL
Number of rolls	#	1	2	3	1	2	3	1
Available working width*	mm	3000-4200	3000-4200	3000-4200	3000-4200	3000-4200	3000-4200	3000-4200
Production capacity**	kg/hr	380	770	1160	510	1030	1560	770
Ironing length under pressure	mm	1950	3900	5850	2650	5300	7800	4000
Total heating length	mm	1950	4400	6850	2650	5800	8800	4000
Standard ironer speed	m/min	6-16	9-36	16-50	5-20	10-40	20-50	7-25
Motor power	kW	4	15	30	5,5	18,5	45	11

Number of steam traps	#	4	9	14	4	9	14	6
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Dimensions***	mm	1200			1600			XXL
Width	mm	4530	4530	4530	4620	4620	4620	4820
Depth	mm	2000	3660	5320	2400	4460	6520	2900
Height	mm	1670	1670	1670	1915	1915	1915	1980
Weight	kg	5000	10000	15000	6450	12900	19350	8000

Standard supply voltage: 3 x 400V (+/- 5%) + N - 50Hz or 3 x 460V (+/- 5%) + N - 60Hz
Other supply voltages are optional

* Other working widths are available on request.

** Production capacity with 50% rest moisture at 10 bar steam pressure and 80% bed coverage (on 3300mm working width)

*** All dimensions based on 3300mm working width.

Gas heated

Roll diameter	mm	600			800			900		
Number of rolls	#	1	2	3	1	2	3	1	2	3
Available working width*	mm	1750-3500	3000-3500	3000-3500	1750-3500	3000-3500	3000-3500	3000-4200	3000-4200	3000-4200
Production capacity**	kg/hr	175	350	530	250	520	790	290	590	890
Ironing length under pressure	mm	955	2000	3000	1360	2800	3200	1450	2900	4350
Total heating length	mm	955	2500	4000	1360	3300	4200	1450	3400	5350
Standard ironer speed	m/min	1,5-5,5	4,5-18	6-24	3-12	6-24	9-36	6-16	6-24	9-36
Motor power	kW	1,5	4	7,5	2,2	5,5	15	4	5,5	15
Burner capacity	kW	91	182	273	91	378	567	189	378	567

Number of burners	#	1	2	3	1	2	3	1	2	3
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Dimensions***	mm	600			800			900		
Width	mm	4530	4435	4435	4530	4555	4555	4530	4530	4530
Depth	mm	2000	2460	3520	2000	2860	4120	1700	3060	4420
Height	mm	1670	1450	1450	1670	1520	1520	1540	1540	1540
Weight	kg	5000	5800	8700	5000	6800	10200	4050	8100	12150

Standard supply voltage: 3 x 400V (+/- 5%) + N - 50Hz or 3 x 460V (+/- 5%) + N - 60Hz

Other supply voltages are optional

* Other working widths are available on request.

** Production capacity with 50% rest moisture at 10 bar steam pressure and 80% bed coverage (on 3300mm working width)

*** All dimensions based on 3300mm working width.





Roll diameter	mm	1200			1600		XXL
Number of rolls	#	1	2	3	1	2	1
Available working width*	mm	3000-4200	3000-4200	3000-4200	3000-4200	3000-4200	3000-4200
Production capacity**	kg/hr	380	770	1160	510	1030	770
Ironing length under pressure	mm	1950	3900	5850	2650	5300	4000
Total heating length	mm	1950	4400	6850	2650	5800	4000
Standard ironer speed	m/min	6-16	11-44	16-50	5-20	11-55	7-25
Motor power	kW	4	15	30	5,5	22	11
Burner capacity	kW	189	385	945	280	385	280

Number of burners	#	1	1	5	1	1	1
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Dimensions***	mm	1200			1600		XXL
Width	mm	4530	4790	4530	4820	4840	4820
Depth	mm	2000	3660	5320	2690	5400	2900
Height	mm	1670	1670	1670	1977	1977	1977
Weight	kg	5000	10000	15000	6450	10950	8000

Standard supply voltage: 3 x 400V (+/- 5%) + N - 50Hz or 3 x 460V (+/- 5%) + N - 60Hz

Other supply voltages are optional

* Other working widths are available on request.

** Production capacity with 50% rest moisture at 10 bar steam pressure and 80% bed coverage (on 3300mm working width)

*** All dimensions based on 3300mm working width.

Folders

Starfold

Key *Benefits*

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

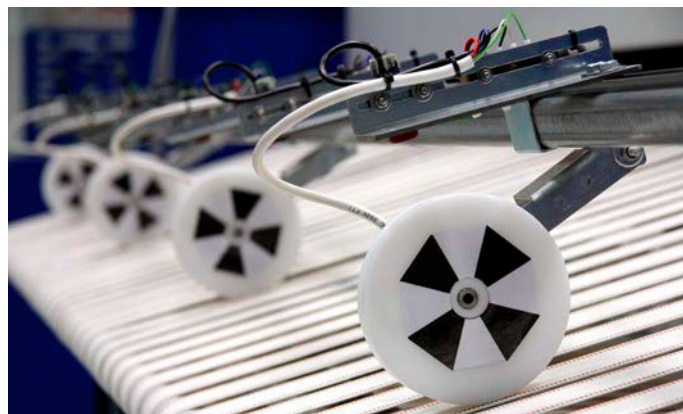
The functions 'Automatic Lane Coupling' (ALC) for small piece primary folding and 'Automatic Fold Selection' (AFS) are standard features on the Starfold. This allows you to process a wide variety of items without the need for frequent program changes or even sorting before the ironing process.

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.



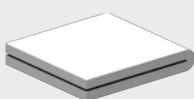
Blow pipes



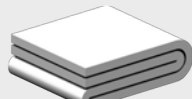
Folding patterns

Starfold 2

Primary folding



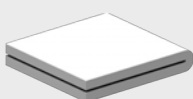
1 x Long Fold



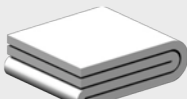
2 x Long Fold

Starfold 3

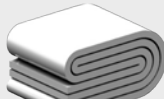
Primary folding



1 x Long Fold



2 x Long Fold



3 x Long Fold



Folders Unifold

Key *Benefits*

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.

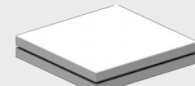
Folding patterns

Unifold 2

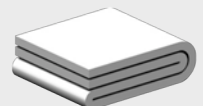
Primary folding



Total bypass

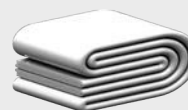


1 x Long Fold

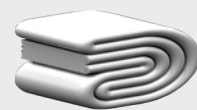


2 x Long Fold

Crossfolding



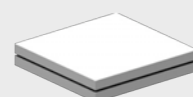
2 x Crossfold



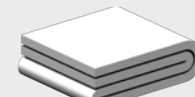
3 x Crossfold

Unifold 3

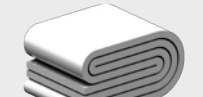
Primary folding



1 x Long Fold



2 x Long Fold

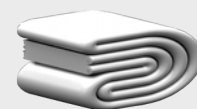


3 x Long Fold

Crossfolding



2 x Crossfold



3 x Crossfold

Folders Superfold

Key *Benefits*

First class folding with knives

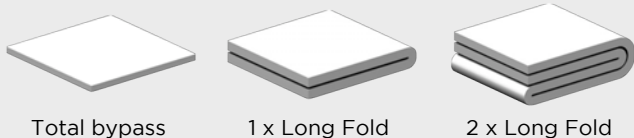
Knife folding is standard on all primary and cross folds. This provides a clear and precise fold of consistent quality, regardless the item's thickness or quality. This makes the Superfold the ideal machine for your high quality work, such as table linen and pillow cases. The stacker has a pneumatic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



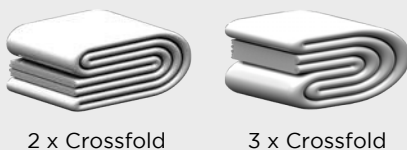
Folding patterns

Superfold 2

Primary folding

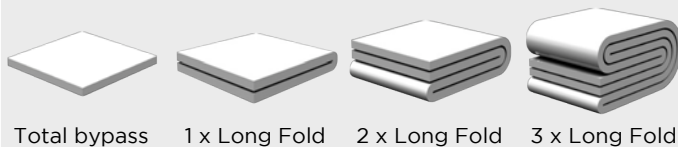


Crossfolding

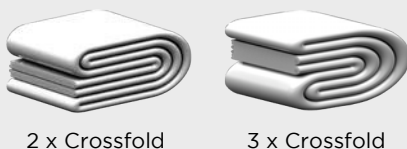


Superfold 3

Primary folding



Crossfolding



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

Stack & Fold

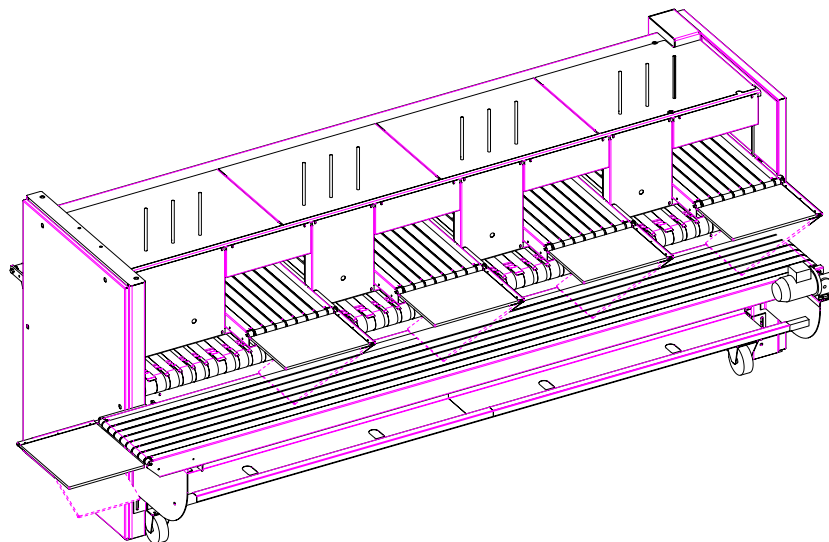
Key *Benefits*

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.

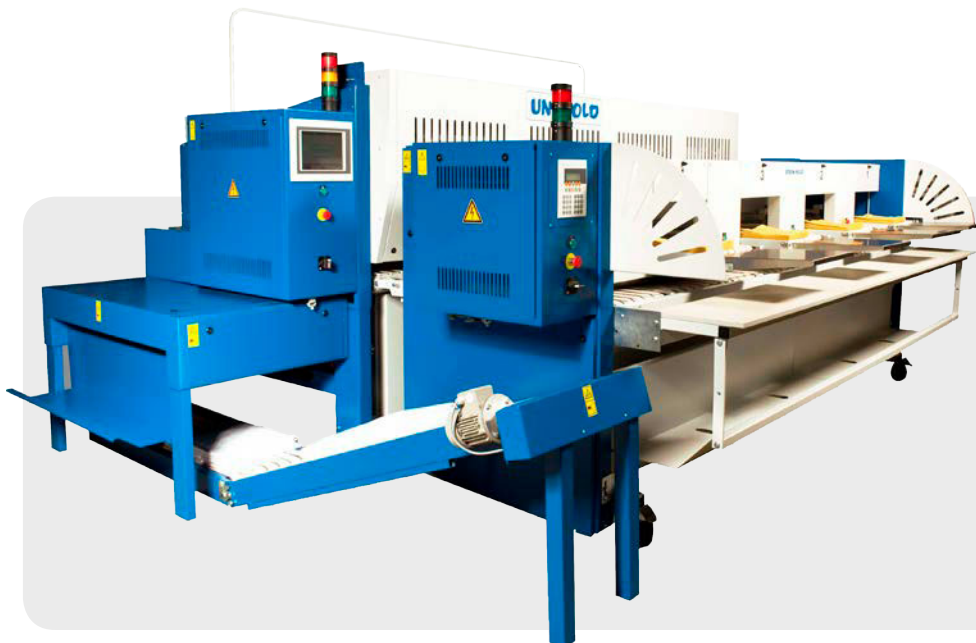
The compact solution

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 Options

Feature	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

Technical Specifications

General

		Starfold	Unifold	Superfold	Stack & Fold
Number of primary folds	#	1 or 2 or 3	1 or 2 or 3	1 or 2 or 3	0
Number of lanes primary folds*	#	1 to 4	1 to 4	1 to 4	0
Number of cross folds	#	0	2 or 3	2 or 3	1
Number of lanes cross folds	#	0	1 or 1 and 2	1 or 2	1
Stacker	Y/N	No	Yes	Yes	Yes
Working width	mm	2700-4200	2700-4200	3000-4000	3000-4000
Working speed	m/min.	25	50	30	25

		Starfold	Unifold	Superfold	Stack & Fold
Electical consumption	kWh	1	1,9	2,1	2,2
Air pressure	Bar	6	6	6	6
Air consumption	l/pc	7	12	8	4

Dimensions**

		Starfold	Unifold	Superfold	Stack & Fold
Width	mm	3365	4765	5150	3640
Depth	mm	2170	3765	4430	1930
Height	mm	1415	1825	1850	1485
Weight	kg	820	2700	2750	850

Standard supply voltage: 3 x 400V (+/- 5%) + N - 50Hz or 3 x 460V (+/- 5%) +N - 60Hz
Other supply voltages are optional

* More lanes on primary folding available on request

** All dimensions based on 3300mm working width, incl. stacker

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



OPEN POCKET WASHER EXTRACTOR

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



3 POCKET FRONTAL WASHER EXTRACTOR

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



MEDIWAVE WASHER EXTRACTOR

Available: 60, 80, 110 kg with side loading.
Type: Barrier Washer.



PULLMAN WASHER EXTRACTOR

Available: 40, 60, 80, 110, 160, 200, 260 kg with side loading.
Type: Barrier washer.



TOPLOADER WASHER EXTRACTOR

Available: 120, 160, 200 kg with frontal loading.



TROLLEY-WASH

Disinfection, washing & drying.
Multiple executions possible.



IRONING SOLUTIONS



UNIFEED

Independent vacuum feeder for small items.



STARFEED

Small piece feeding unit for high quality manual feeding.



UNIX

3-4 feeding stations, 1-2 lanes



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.



UNIFOLD

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



SUPERFOLD

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



SOLUTIONS



STARFEED+

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



EXTRA

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

es, up to 1800 items/hour with manual feeding.



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.



STARFOLD

Cost 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. 1 cross fold + stacking.

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



MEDIWAVE

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

MEDISTREAM

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



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