CLMTEXFINITY®
The textiles' favorite

CHEST IRONER SERIES

Gas Heating
Steam Heating
Roller-Chest Ironer

Smart Laundry Factory
System Integrator

COMPANY PROFILE

20+ years
DEVELOPMENT

CLMTexfinity is a global leader in industrial laundry solutions, offering a complete range of high-performance machines tailored to meet the needs of professional laundries worldwide. With a strong focus on innovation, reliability, and customer-centric solutions, CLMTexfinity provides tunnel washers, high-speed ironing lines, towel folders, fully integrated laundry systems. Our expertise allows us to support laundries in achieving maximum efficiency, quality, and sustainability in their operations.

To ensure the highest quality and production capacity, CLMTexfinity operates across multiple locations, including Belgium, Nantong, Shanghai and Kunshan, covering a total production area of **130,000 square meters**.

This allows CLMTexfinity to combine European engineering standards with high-quality manufacturing, ensuring state-of-the-art laundry equipment that meets global industry demands. With over **20 years of development**, CLMTexfinity continues to expand its presence as a trusted partner for industrial laundries, delivering cutting-edge solutions and unparalleled service worldwide.

CATALOGUES

01

S.iron c-G

GAS HEATING FLEXIBLE CHEST IRONER

- European Design
- Low Energy consumption
- Easy To Maintain
- Good Stability
- High Quality Ironing

Technical Features

01
USING ADVANCED EUROPEAN TECHNOLOGIES

97%
The surface heating coverage reaches more than 97%

200°
The surface temperature of the ironing tank is controlled at about 200°C.

Certificate of Registration for Technology Import Contract

The CLMTexfinity gas heating flexible chest ironer is designed by a team of experienced European engineers. It is equipped with an independent thermal oil heating boiler. The thermal oil directly heats the iron. It is designed using the principle of fluid mechanics and tested repeatedly. The surface heating coverage reaches more than 97%, and the surface temperature of the ironing tank is controlled at about 200 degrees. The ironing quality is good, and the cost of use is low. It is a truly efficient and energy-saving ironer.

02
EFFICIENT DESIGN

280°
The maximum temperature of the heat transfer oil can reach 280°C

15 min.
It takes no more than 15 minutes to heat up from 0 to 200°C

35 min.
The ironing speed of the quilt cover can reach 35 minutes

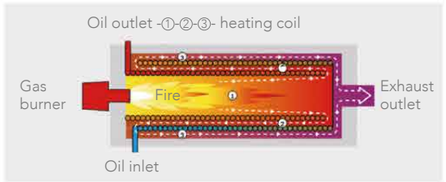
- CLMTexfinity gas heating flexible chest ironer uses heat transfer oil as the heating carrier, the maximum temperature of the heat transfer oil can reach 280°C. The ironing temperature of the tank is generally controlled at 200°C. It takes no more than 15 minutes to heat up from 0°C to 200°C. The ironing speed of the quilt cover can reach 35 meters/minute;
- The high-pressure circulation pump allows the heat transfer oil to circulate at high speed in the tank body to avoid excessive use of temperature causing a decrease in ironing speed;
- CLMTexfinity is equipped with a powerful, modular humidification system. Each roller is equipped with an independent humidification device. The moisture evaporated from the tank is immediately removed, effectively improving the conversion of heat energy and greatly improving ironing speed;

03
ENERGY-SAVING DESIGN

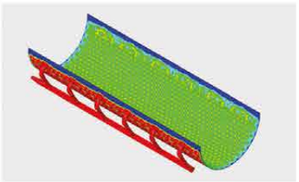
30 m^3
Gas consumption does not exceed 30m^3

6
6 oil passage inlets

5%
Reduces gas energy consumption by at least 5%



Schematic diagram of heat exchanger



6 oil passage inlets

- Imported brand burners are used to achieve thorough combustion and high thermal efficiency. The gas consumption does not exceed 30 cubic meters per hour;
- 6 oil passage inlets ensure rapid and even distribution of heat conduction, achieving fast heating and fewer cold spots, thereby obtaining the best ironing quality and saving gas;
- The inside of all boxes is designed with calcium aluminate plate thermal insulation panels, which reduces the rapid loss of temperature and reduces gas energy consumption by at least 5%. It also improves production efficiency and creates a comfortable production environment;
- All pipelines adopt thermal insulation design to ensure safety and achieve the best energy-saving effect;
- Equipped with a heat energy recovery system, which can effectively recover heat energy for utilization while reducing the temperature of the exhaust outlet.

04

STABILITY DESIGN

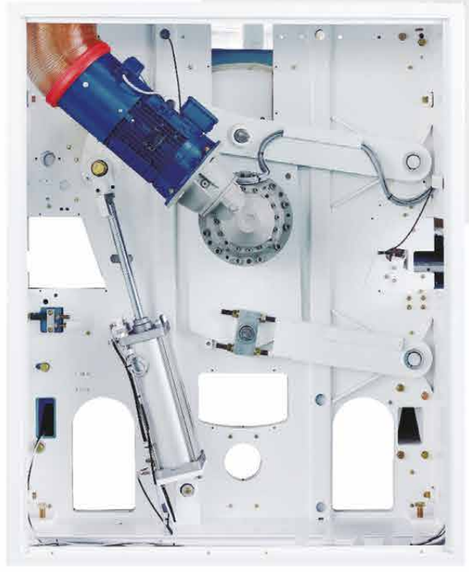
- The flexible chest ironer is provided by a professional manufacturer of chest ironers in Belgium. It is tested by high-pressure inflation and has stable and reliable quality;
- All electrical and pneumatic components are of original imported brands, with more stable performance, lower failure rate and longer service life.

Belgian imported flexible ironing chest

05

EASY MAINTENANCE DESIGN

- The chest ironer uses an independent motor for direct drive, eliminating belts or other hazardous power transmission devices.
- The transmission system has a simple structure and offers the advantages of "no adjustment, zero maintenance."
- With no belts, sprockets, chains, or grease design, the direct transmission significantly reduces failure rates and maintenance costs.

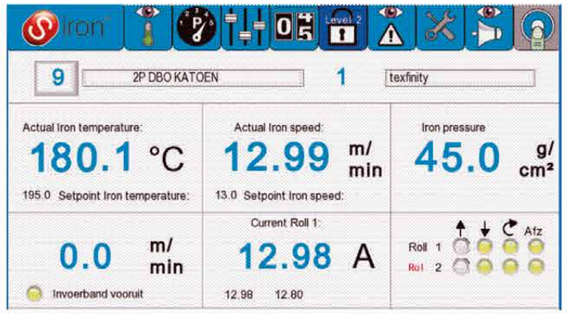


Italy Bonfiglioli Direct Drive System

06

FLATNESS DESIGN

100
100 intelligent roning programs



Control operating panel

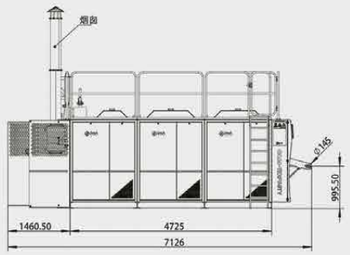
- Customizable with up to 100 intelligent ironing programs, allowing for perfect control of various ironing parameters, including ironing speed, chest temperature, and cylinder pressure, to meet different fabric ironing needs.
- The ironing pressure can be adjusted as needed to accommodate different fabric materials.
- An optional edge smoothing device is available, which includes fabric guidance and edge smoothing at the entrance of the chest after the feeding platform, effectively eliminating edge wrinkles.
- The intelligent control system—PLC—automatically adjusts the pressure for a better fit between the chest and the suction cylinder. It also enables rapid switching of chest temperatures at low capacity, ensuring optimal ironing quality.

07

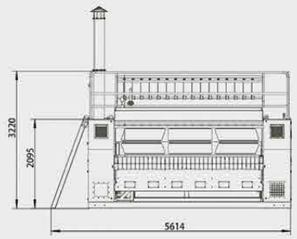
SAFE DESIGN

- The Omron intelligent control system PLC converts the values measured by the temperature sensors into a display. It automatically shuts down the device to protect equipment and personnel safety in the event of temperature loss of control.
- The key switch is imported and primarily used to control the remote, switch between manual and automatic functions, and is equipped with a manual remote for easy replacement of components like springs, felt cloth, and small guide belts. Changing the small guide belt can be done by one person, ensuring quick and safe operation.
- An independent safety PLC monitors the entire chest ironer system for any abnormalities, providing real-time feedback to the control PLC. This achieves dual safety circuit control to ensure the safe operation of the equipment.

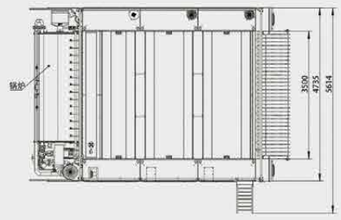
With remote control function



Side view



Front view



Top view

Technical Parameters

Specifications and Models		S.iron c-G 33-1	S.iron c-G 33-2	S.iron c-G 33-3
Burner power		370KW	550KW	860KW
Heat exchanger		325KW	460KW	600KW
Pump out air		1KW	2.2KW	2.2KW
Maximum power consumption		13.4 KW/hour	25.6KW/hour	37.1KW/hour
Capacity		720kg/hour	1150kg/hour	1440kg/hour
Maximum natural gas consumption		42m³/hour	53m³/hour	70m³/hour
Ironing speed		5-35 meter/mins	5-50 meter/mins	5-60 meter/mins
Overall dimensions: length × width × height mm	3000mm	3480×4435×3220	5055x4435x3220	6630x4435x3220
	3300mm	3480×4735×3220	5055x4735x3220	6630x4735x3220
	3500mm	3480×4935×3220	5055x4935x3220	6630x4935x3220
	4000mm	3480×5435×3220	5055x5435x3220	6630x5435x3220
Weight (KG)	3000mm	4975	9650	14475
	3300mm	5295	10600	15435
	3500mm	5775	11250	16875
	4000mm	6650	13000	19500

02

S.iron c-S

STEAM HEATING FIXED CHEST IRONER

- European Design
- Low Energy consumption
- Easy To Maintain
- Good Stability
- High Quality Ironing

Technical Features

01

USING ADVANCED EUROPEAN TECHNOLOGIES

30+years
Experience in the industrial laundry equipment manufacturing field

27
Sales centers in 27 countries wordwilde

Certificate of Registration for Technology Import Contract

CLM integrates the European brand “TEXFINITY” technology, which was introduced by CLM with a significant investment, blending Eastern and Western expertise. CLMTexfinity has over 30 years of experience in the industrial laundry equipment manufacturing field and holds technological advantages from various origins of laundry equipment. The company has sales centers in 27 countries worldwide.

CLMTexfinity leads the way in global chest ironer technology. Its fixed chest uses a unique design process, pioneering a truly energy-efficient steam-heated chest ironer.

02

EFFICIENT DESIGN

CLMTexfinity is equipped with a powerful, modular dehumidification system, with each roller having an independent dehumidification unit. Moisture evaporated from the chest is immediately removed, effectively enhancing heat transfer and significantly increasing ironing speed.

Effectively enhancing heat transfer

Significantly increasing ironing speed

03

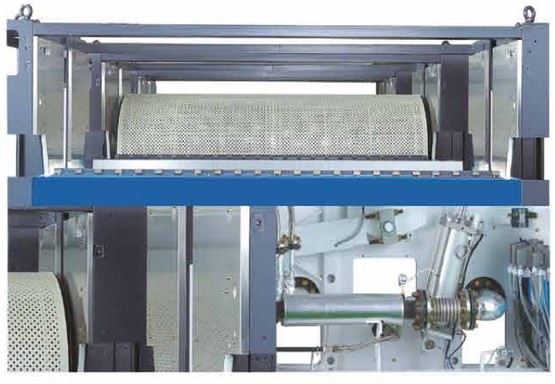
ENERGY-SAVING DESIGN

- The interior of all enclosures is designed with calcium aluminate insulation boards, reducing rapid heat loss and steam energy consumption while improving production efficiency and creating a comfortable working environment.
- All pipelines are designed with insulation to ensure safety while achieving optimal energy-saving results.
- Equipped with a heat recovery system, which effectively recycles and utilizes thermal energy.

Improving production efficiency

Energy-saving results

Recycles utilizes



04

STABILITY DESIGN

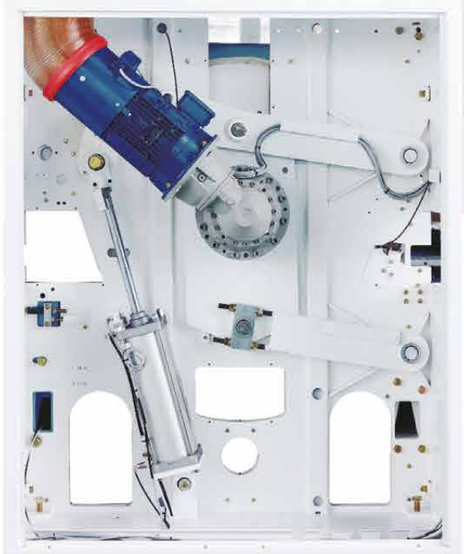
Chest made in Germany

- Steam Heating Fixed Chests are made by Hodel in Germany. This kind of chest use heavey structure design,after processing and welding, the chest will be tested by 30 bar pressure to ensure the chest is enough safe and good use. The service life must be more than 20 years.
- The chest is refined with high -quality steel plates, and the inner surfaceis polished, which greatly extends the service life of felt. The surface of the chest body adopts mirror process, which reduces friction with linen and effectively improves the quality of ironing.
- All electrical and pneumatic components are of original imported brands, with more stable performance, lower failure rate and longer service life.

05

EASY MAINTENANCE DESIGN

- The chest ironer uses an independent motor for direct drive, eliminating belts or other hazardous power transmission devices.
- The transmission system has a simple structure and offers the advantages of "no adjustment, zero maintenance."
- With no belts, sprockets, chains, or grease design, the direct transmission significantly reduces failure rates and maintenance costs.



Italy Bonfiglioli Direct Drive System

06

FLATNESS DESIGN

100
100 intelligent roning programs

Guiding belt tensioning device

Control operating panel

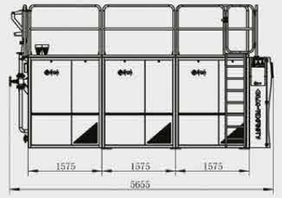
- Customizable with up to 100 intelligent ironing programs, allowing for perfect control of various ironing parameters, including ironing speed, chest temperature, and cylinder pressure, to meet different fabric ironing needs.
- The ironing pressure can be adjusted as needed to accommodate different fabric materials.
- An optional edge smoothing device is available, which includes fabric guidance and edge smoothing at the entrance of the chest after the feeding platform, effectively eliminating edge wrinkles.
- The intelligent control system PLC automatically adjusts the pressure for a better fit between the chest and the suction cylinder. It also enables rapid switching of chest temperatures at low capacity, ensuring optimal ironing quality.

07

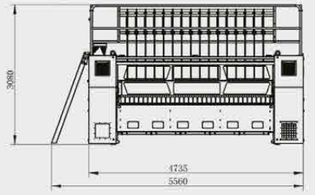
SAFE DESIGN

- The Omron intelligent control system PLC Xconverts the values measured by the temperature sensors into a display. It automatically shuts down the device to protect equipment and personnel safety in the event of temperature loss of control.
- The key switch is imported and primarily used to control the remote, switch between manual and automatic functions, and is equipped with a manual remote for easy replacement of components like springs, felt cloth, and small guide belts. Changing the small guide belt can be done by one person, ensuring quick and safe operation.
- An independent safety PLC monitors the entire chest ironer system for any abnormalities, providing real-time feedback to the control PLC. This achieves dual safety circuit control to ensure the safe operation of the equipment.

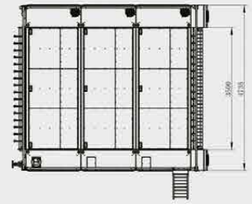
With remote control function



Side view



Front view



Top view

Technical Parameters

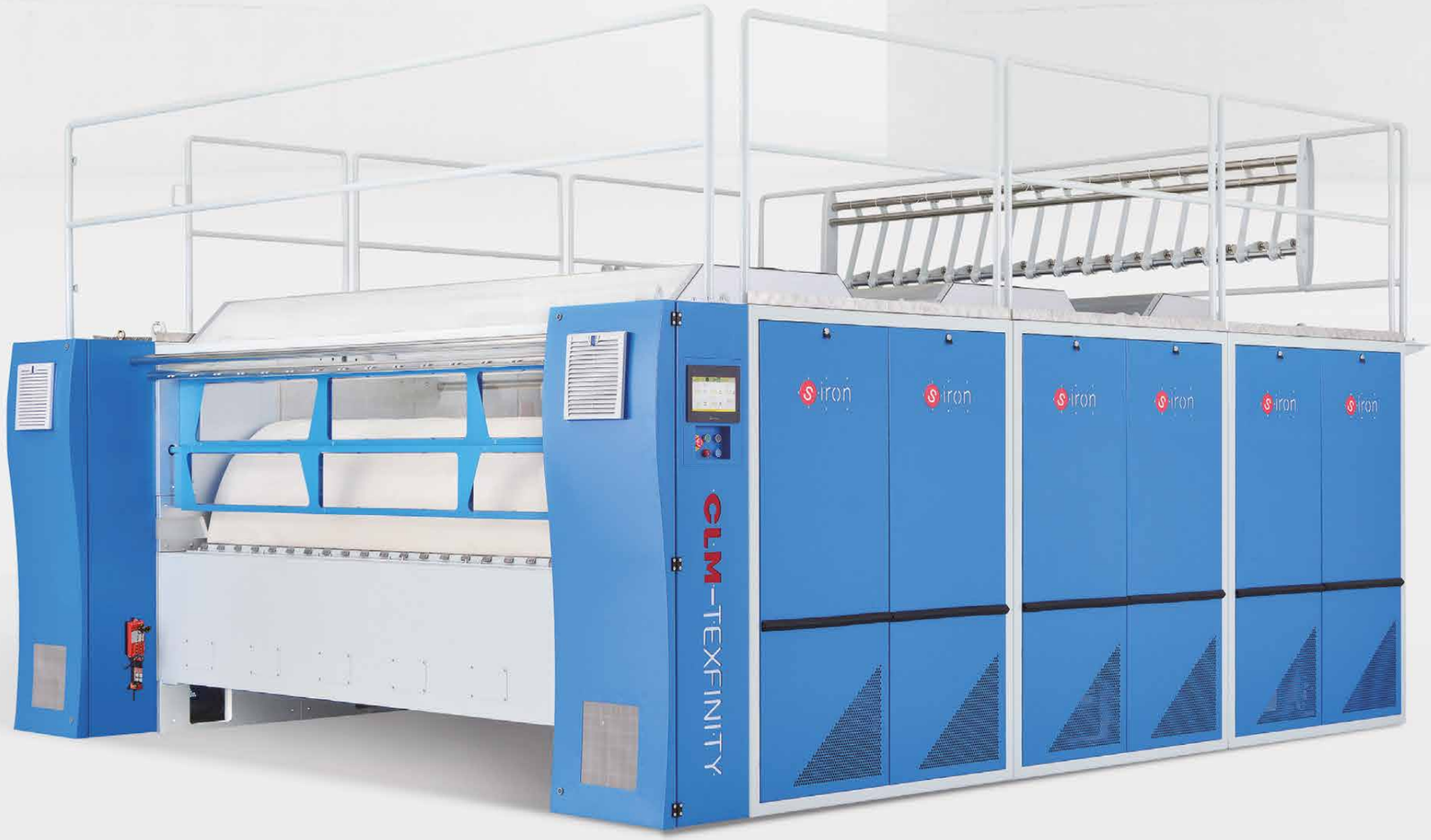
Specifications and Models		S.iron c-S 33-2	S.iron c-S 33-3
Drive motor power		11KW/chest	11KW/chest
Capacity		900kg/hour	1250kg/hour
Ironing speed		10-50 meters/mins	10-60 meters/mins
Power consumption kw per hour		38	40
Overall dimensions: length × width × height mm	3000mm	4080×4435×3080	5655×4435×3080
	3300mm	4080×4735×3080	5655×4735×3080
	3500mm	4080×4935×3080	5655×4935×3080
	4000mm	4080×5435×3080	5655×5435×3080
Weight (KG)	3000mm	9650	14475
	3300mm	11250	16875
	3500mm	11250	16875
	4000mm	13000	19500

Smart laundry factory system integrator

03

S.iron cf-S

STEAM HEATING FLEXIBLE CHEST IRONER



- European Design
- Low Energy consumption
- Easy To Maintain
- Good Stability
- High Quality Ironing

Technical Features

01

USING ADVANCED EUROPEAN TECHNOLOGIES

30+years
Experience in the industrial laundry equipment manufacturing field

27
Sales centers in 27 countries wordwilde

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02

EFFICIENT DESIGN

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Effectively enhancing heat transfer

Significantly increasing ironing speed

03

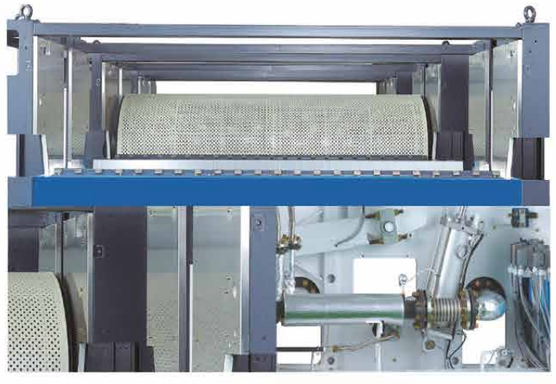
ENERGY-SAVING DESIGN

- The interior of all enclosures is designed with calcium aluminate insulation boards, reducing rapid heat loss and steam energy consumption while improving production efficiency and creating a comfortable working environment.
- All pipelines are designed with insulation to ensure safety while achieving optimal energy-saving results.
- Equipped with a heat recovery system, which effectively recycles and utilizes thermal energy.

Improving production efficiency

Energy-saving results

Recycles utilizes



04

STABILITY DESIGN

Flexible heating-chest

- CLMTexfinity has developed a flexible heating chest that features fast heat transfer, minimal rigidity, and easier maintenance.
- Late and heating chamber arc plate are made of stainless steel sheets. The thickness of the inner arc plate is consistent, allowing for uniform expansion when heated, and the curved surface provides great elasticity. When pressed by the suction roller, the inner arc plate fits well against the suction roller. This design enables quick heat transfer, consistent expansion, reduced steam consumption, and greater energy efficiency, while the chest surface never rusts and requires no maintenance.
- All electrical and pneumatic components are original imported brands, ensuring more stable performance, reducing failure rates, and extending service life.

05

EASY MAINTENANCE DESIGN

- The chest ironer uses an independent motor for direct drive, eliminating belts or other hazardous power transmission devices.
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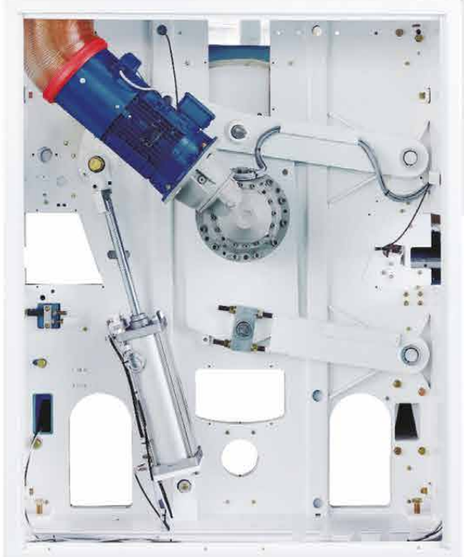

Italy Bonfiglioli Direct Drive System

06

FLATNESS DESIGN

100
100 intelligent roning programs

Guiding belt tensioning device

Control operating panel

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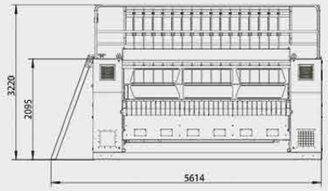
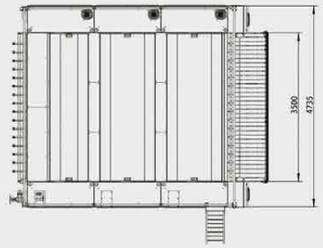
With remote control function

Front view



Side view



Top view

Technical Parameters

Specifications and Models		S.iron cf-S 33-1	S.iron cf-S 33-2	S.iron cf-S 33-3
Drive Motor Power		11KW/chest	11KW/chest	11KW/chest
Capacity		550kg/hour	900kg/hour	1250kg/hour
Ironing Speed		5-35 m/minute	5-50 m/minute	5-60 m/minute
Power Consumption/h (kW)		13.4	25.6	37.1
Overall dimensions: length × width × height mm	3000mm	2505×4435×3220	4080×4435×3220	5655×4435×3220
	3300mm	2505×4735×3220	4080×4735×3220	5655×4735×3220
	3500mm	2505×4935×3220	4080×4935×3220	5655×4935×3220
	4000mm	2505×5435×3220	4080×5435×3220	5655×5435×3220
Weight (KG)	3000mm	4975	9650	14475
	3300mm	5295	11250	16875
	3500mm	5775	11730	17355
	4000mm	6650	13000	19500

04

STEAM HEATING ROLLER AND CHEST IRONER

- European Design
- Low Energy consumption
- Easy To Maintain
- Good Stability
- High Quality Ironing

Technical Features

ironing significantly reduces steam

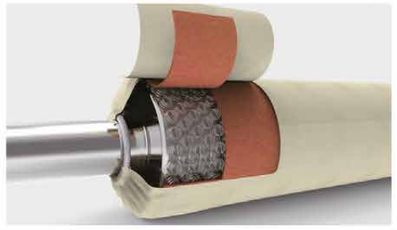
while enhancing the flatness

The 4-roller, 2-chest ironer combines two sets of 650 mm diameter roller dryers with two 1200 mm diameter flexible ironing chests. First, the four roller dryers evaporate moisture and iron out overly damp fabrics, followed by the two flexible chests for drying and shaping. This effectively avoids the high steam pressure requirements of pure chest ironing and eliminates the issue of excessive moisture in single-machine dehydration that hinders ironing. The combination of double-sided roller ironing and chest ironing significantly reduces steam consumption compared to pure chest ironing, while enhancing the flatness of the fabrics without compromising ironing efficiency.

01

ROLLER-CHEST COMBINATION: HIGHER EFFICIENCY AND BETTER FLATNESS

30%
The moisture in the fabric to evaporate



Elastic pressure roller

Four elastic pressure rollers are designed at the entrance of the roller ironer, allowing 30% of the moisture in the fabric to evaporate, reducing the moisture content so that the fabric can smoothly enter the flexible ironing chest for drying and shaping.

With a heat transfer speed
2.5
times that of stainless steel

The rollers

The rollers are made of high-quality boiler carbon steel, which has better thermal conductivity, with a heat transfer speed 2.5 times that of stainless steel. The surface is treated with anti-rust polishing, improving ironing speed and ensuring flatness.

A double-sided ironing

The angle at which the fabric wraps around the roller reaches 270 degrees, utilizing a double-sided ironing design for rapid moisture evaporation and high flatness.

Higher Efficiency

The suction cylinder

The chest ironing is equipped with a powerful, modular dehumidification suction cylinder. The dehumidification is closely related to the amount of moisture evaporated, with each chest having an independent dehumidification unit that effectively increases the operational speed of the ironer.

Better Flatness

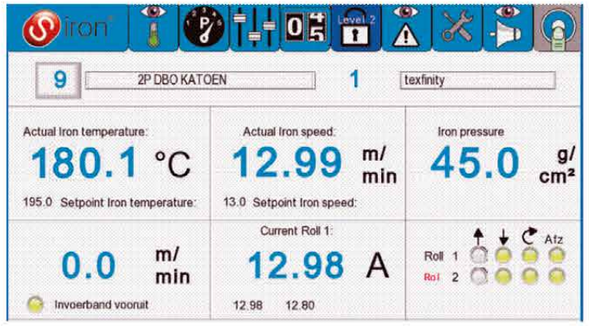
02

FLATNESS DESIGN

100
Easily Operate
with 100 Intelligent

PLC
Intelligent Control
System

10 inch
Full-color
Touch Screen

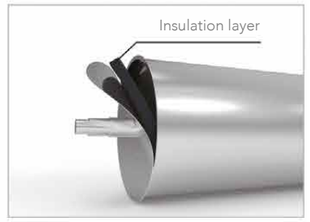


Control operating panel

Equipped with a leading PLC intelligent control system and a 10-inch full-color touchscreen, the operation and programming are user-friendly. It allows for the customization of up to 100 intelligent ironing programs, perfectly controlling various ironing parameters to meet different fabric ironing needs. The control system can also connect and work with different brands of spreading machines and folding machines through various methods.

03

MULTIPLE DESIGNS FOR ENERGY SAVINGS AND CONSUMPTION REDUCTION



All-round
insulation

enhancing
thermal efficiency

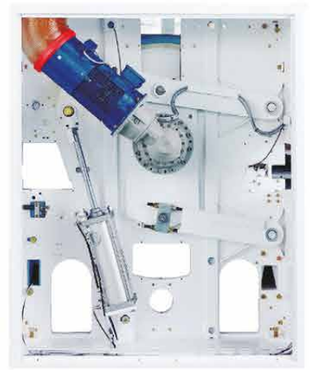
The automatic
temperature adjustment

- Insulation measures have been implemented on both ends of the roller dryers, the sides of the flexible ironing chests, around the enclosure, and on all steam pipelines, reducing steam consumption by 5% while improving production efficiency and creating a comfortable working environment.
- The flexible ironing chest features a bridge connection that synchronizes steam circulation heating and ironing, enhancing thermal efficiency.
- The Mitsubishi PLC control system is programmable, allowing for the setting of steam supply times for preheating, operation, lunchtime breaks, and end-of-day processes based on the ironer's working rhythm. This effectively manages steam usage and can significantly reduce consumption.
- The automatic temperature adjustment design for sheets prevents excessive ironing and steam waste. It features a function that automatically regulates steam pressure, keeping it between 1.5 and 2.5 bar while ironing sheets.

04

HIGH-QUALITY COMPONENTS

No adjustment
zero maintenance



- All major components, including electrical elements, pneumatic components, transmission parts, ironing belts, and condensate valves, are made from high-quality imported products.
- All fabric guide rollers on the roller ironers are precision machined from specially designed high-precision steel pipes, ensuring that the ironing belts do not deviate and maintaining ironing quality.
- The power transmission system of the chest ironer features advantages of "no adjustment, zero maintenance," utilizing independent motors for direct drive without belts or other hazardous power transmission devices. Each chest is equipped with an inverter, employing advanced electronic methods to control the speed of each chest. The design eliminates belts, sprockets, chains, and grease, facilitating direct transmission and significantly reducing failure rates and maintenance costs.

05

QUALITY MATERIALS

The design of bearing pressure

1.5 MPa

Test pressure

1.2 MPa

Maximum working pressure

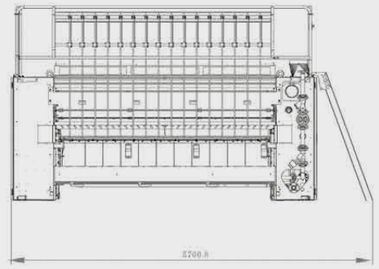
1 MPa

With remote control function

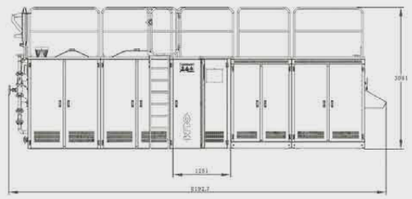
Aditional design, enhanced safety

- The roller ironer is made of high-quality boiler carbon steel, which offers better pressure resistance than stainless steel. The wall thickness of the drum reaches 11 to 12 mm, designed to withstand a pressure of 1.5 MPa, with a test pressure of 1.2 MPa and a maximum working pressure of 1 MPa, ensuring safety and reliability for peace of mind during use.
- The built-in remote control function allows for the replacement of guide belts and ironing belts by just one person, effectively preventing workplace injuries.
- The main steam inlet is equipped with a “pressure relief valve.” If the supplied steam pressure exceeds 1 MPa, the control system enters a working state, automatically shutting off the steam supply to the entire machine until the steam pressure returns to normal.

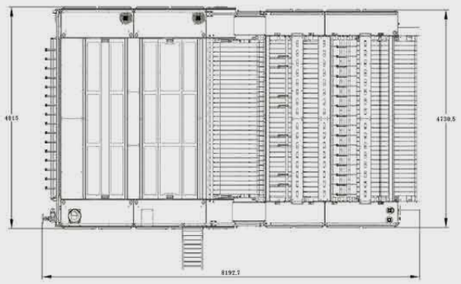
Technical Parameters



Front view



Side view



Top view

STEAM HEATING FLEXIBLE CHEST IRONER

Name/Specifications	Unit	650 4-roller (GYP-3300Z-650IV)
Ironing Drum Specifications	mm	Ø 650×3300
Number of Drums	-	4
Steam Pressure	Mpa	0.1-1.0
Fabric Ironing Speed	m/min	5-60
Heating Medium for Drums	-	Steam
Steam Inlet Flange	mm	DN40
Condensate Flange	mm	DN40
Steam Consumption (calculated at a pressure of 0.4 MPa)	kg/h	570
Motor Power	KW	4
Power	V/Phase/HZ	380/3 L+N+PE/50
Machine Weight	kg	11750
Dimensions (Length × Width × Height)	mm	3508×4738×2875

Name/Specifications	Unit	2 chests (CYP-3300Z-1200IIR)
Ironing Drum Specifications	Spe	Ø 1174x3300
Number of Drums	Spe	2
Steam Pressure	Spe	0.1-1.0
Fabric Ironing Speed	Spe	5-50
Heating Medium for Drums	Spe	Steam
Steam Inlet Flange	Spe	DN50
Condensate Flange	Spe	DN50
Steam Consumption (calculated at a pressure of 0.4 MPa)	Spe	660
Motor Power	Spe	11/Unit (2 units)
Power	Spe	380/3 L+N+PE/50
Machine Weight	Spe	11250
Dimensions (Length × Width × Height)	Spe	4087×4779×3077

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Hoge Mauw 118, 2370 Arendonk, Belgium

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