

**A fantastic
Finish requires
perfect
technology.**



HEATED BED IRONER | MC 210, 330, 400, 500, 600, 800



PROFESSIONALS IRON WITH STAHL

STAHL
WÄSCHEREIMASCHINEN

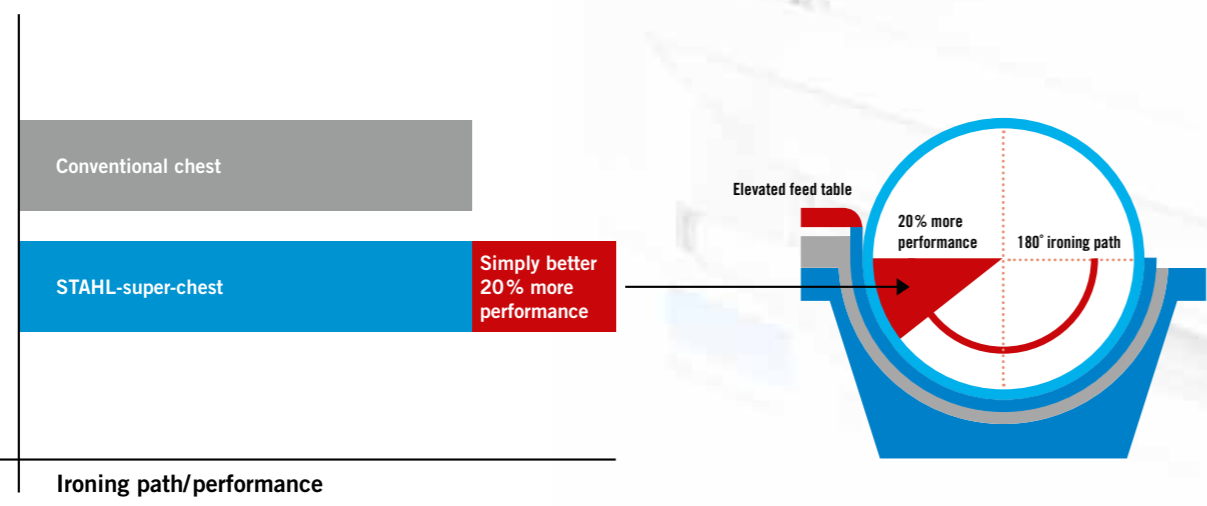
Double shell, fully insulated hood

The MC 330, 400, 500, 600 and 800 heated bed ironers are equipped with a robust metal hood. This solid and useful cover ensures an energy saving heat insulation and reduces heat loss to a minimum. It can be easily lifted off in order to clean the chest of the ironer.

STAHL super-chest

Longer ironing path with higher performance.

The new STAHL super-chest is a STAHL innovation and an absolutely unique feature of the chest technology. Only the dimensionally stable STAHL heating band technology offers a roll coverage under pressure of true 180°. Through the use of this new technology the ironing path under pressure is increased by up to 20% – another feature guaranteeing you an optimized linen finish.



FREEpro micro processor control unit for improved operating convenience

All functions are centrally controlled by the **FREEpro** micro-processor control unit. The design is well-organised and ensures an easy operation of the machine. Recurring procedures can be saved, various values can be monitored on the display and features, as for example the infinitely variable ironing speed, can be attributed to the work pieces. **FREEpro** is the central control unit for flatwork ironer lines.

By default the ironers are equipped with a clearly arranged analog control unit.



Intelligent 3rd generation PTS-drive offers efficiency at the highest level

The specially developed PTS-drive controls the energy consumption of the motors at the respective torque by combining the electronic performance component with the intelligent **FREEpro** micro-processor control unit. This drive technology is economical, requires little maintenance and is free from wear. Un-economical and high-maintenance energy consuming components as for example chains or v-belts are a thing of the past.

Belt drive with additional benefits

The PTS-drive ensures that the speed of the feeding belts is synchronized with the roll speed. With the aid of the PTS-technology the feeding belts can be stopped in order to line up the work piece precisely before passing it into the finishing area without actually interrupting the finishing process. This means that the flow of work pieces is not affected. Optionally the feeding area can be supported by a vacuum system.

Brilliant results with just one person.



HEATED BED IRONER | MR 330, 400, 500, 600, 800

The STAHL-ironers are also available as models with a linen return unit, which don't need a table at the back side. Their depth is kept to a minimum and they can be placed space-savingly next to a wall, as the linen is fed and withdrawn from the front side.

Ergonomic work

The ergonomic idea which was incorporated during the machine's development is greatly valued by the operators. The ironer's return unit was developed such that the linen can be withdrawn comfortably in a standing position after the ironing process.

The heated bed ironers can be operated by one single person, which brings attractive cost benefits.

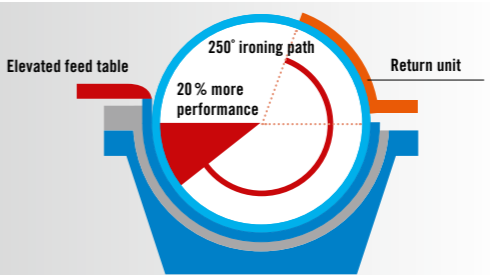
During the machine's development process a main focus has been on the ease of operating.

Due to the electronic control unit the roll speed can be varied infinitely and synchronized with the speed of the feeding belts.

Heat insulation

The energy saving hood helps to save heat and to reduce heat loss.

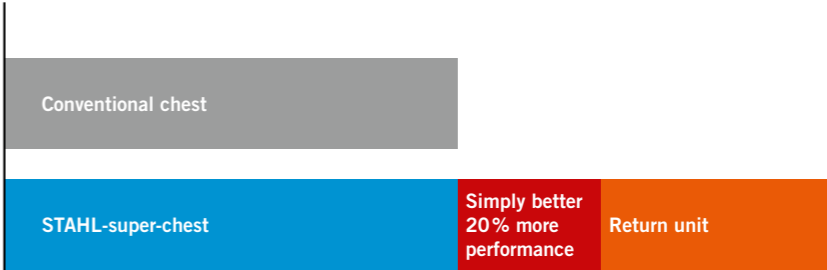
All functions are centrally controlled by the **FREEpro** micro-processor control unit. The design is well-organised and ensures an easy operation of the machine. Recurring procedures can be saved, various values can be monitored on the display and features, as for example the infinitely variable ironing speed, can be attributed to the work pieces.



The STAHL super-chest

The return unit by STAHL is providing you an actual ironing path under pressure of 250°.

STAHL – most modern production sites in Sindelfingen



Ironing path/performance

For four generations the name STAHL has been a synonym for innovative technology, reliable after sales service and value.



Intelligent electronics providing important support and relief: The heated bed ironer models MC and MR feature a low-load, gentle and machine-friendly start and coast to stop, an emergency stop function with immediate stop of the rolls as well as an infinitely adjustable drive.

Smart features are the possibility to pre-set the ironer speed with a fixed program and the various protection and diagnostic functions. Another advantage of this technology is the optimized use of energy by means of an automatic current regulation.

Suction with ventilator: The specially constructed hollow shaft of the roll ensures an even suction along the entire roll. By installing a choking cap the suction can be individually set.

Manufacturer's after sales service for your operational reliability: Our after sales service is centrally organised, fast, cost-efficient and available throughout Germany. In addition we provide a comprehensive telephone support by qualified technicians. For your in-house technicians we offer extensive technical training programs. This is assisting you significantly in the improvement of your business quality and efficiency.

We provide convincing arguments for your decision in favour of a successful product:

The STAHL-super-chest

The longest ironing path under pressure – resulting in a performance increase of 20%.

Split heating system

Due to the split steam path in the chest you save valuable energy.

Reduced wear on linen

The rolls are completely synchronized. There is no head run and no pull on the work piece. A round table cloth stays round and a square one stays square.

Well-engineered belt technology

There are no annoying belt imprints. Tear-offs are virtually impossible. This is avoiding downtime.

PTS-drive

The highly efficient drive technology reduces energy consumption to a minimum.

Economical drive, free from wear

The three-phase alternating current drive motors ensure a low-load and gentle start and coast to stop. There is no need for lubrication or brake pads, maintenance costs remain low.

Modular construction principle

The MC can be extended with modular components and can therefore be adjusted to the economic development of your business.

Heat insulation

The energy saving hood helps to save heat and to reduce heat loss.

Full range supplier

As a performance oriented and competent family owned business we offer you high-quality, cost-effective and innovative products – We are your systems supplier.



		MC 400 + MR 400				MC 500 + MR 500				MC 600 + MR 600					MC 800 + MR 800					
working width	mm	1750	2100	2700	3000	1750	2100	2700	3000	1750	2100	2700	3000	3300	1750	2100	2500	2700	3000	3300
roll diameter	mm	400	400	400	400	500	500	500	500	600	600	600	600	600	800	800	800	800	800	800
speed range**	m/min	1,5–6,5				1,5–8,0				1,5–10 (optional 3–18)					1,5–10 (optional 3–30)					
height	mm	1230				1230				1230					1380					
machine width*	mm	roll length + 800 mm				roll length + 800 mm				roll length + 800 mm					roll length + 920 mm					
Front-to-back size with rack	mm	1730				1730				1860					2060					
Front-to-back size feedback model	mm	1150				1150				1300					–					
delivery dimension excluding feeder belt	mm	790				790				940					1150					
weight/netto	ca. kg	1120	1295	1850	2070	1180	1285	1660	1890	1420	1760	1880	2030	2300	1675	2010	2200	2350	2480	2610

*further working widths on request, further heatings on request.
 **maximum operating speed depending on work type and moisture retention rate
 Subject to alterations and mistakes. Photographs may include optional features

The MC/MR 330 offers the best linen finish in the compact class.



The heated bed ironer MC 210, 330: The models to increase comfort and reduce cost

The MC 330 is a very comfortable model representing a successful connection of improved working conditions, a marked increase in performance and simultaneous energy saving.

The linen is fed into this model on non-slip feeder belts, preventing the linen from slipping and clearly reducing the time spent adjusting during feeding. This results in an increase of performance as the process of taking the next piece of linen has been speeded up.

The self-tensioning drive gear is easily accessible. The three phase a. c. gear motor mounted on the belt roll is incorporated in the electronic control system ensuring, through synchronised operation, an even maintained ironing speed. The linen stripper made from high-quality steel gently separates the linen from the roll and guides it on without unwanted imprints.

The return feed ironer MR 330: The model with a return feed unit

In order to cope with today's increasing cost the STAHL-ironers are also available as models with a linen return unit, which don't need a table at the back side.

The MR 330 has a front-to-back size of only 91cm and can be placed space-savingsly next to a wall, as the linen is fed and withdrawn from the front side. This means that this model only needs one person to operate it, bringing yet more attractive cost advantages.

The ergonomic advantage is greatly valued by the operators. The ironer's return unit was developed such that the linen can be withdrawn comfortably in a standing position after the ironing process. This avoids the painful bending which is required otherwise.



HEATED BED IRONER | MC 210, 330

The heated bed ironers MC 210, 330 for your comfortable and fast linen finish.

STAHL grey cast iron chest

The key component, incidentally giving the chest flatwork ironer its name is the chest. Made out of fine grained grey cast iron it perfectly maintains its rigid form even under extreme temperature variations. This distinguishes the material from other metals. In addition this material guarantees first rate heat storage and even heat transfer. This results in high efficiency despite a lower energy consumption, giving a perfect finish. The chest of the MC 330 and MR 330 is heated by gas, electricity or steam heating system.



PROFESSIONALS IRON WITH STAHL



		MC 210	MC 330 + MR 330		
working width	mm	1400	1650	1750	2000
roll diameter	mm	210	300	300	300
speed range**	m/min	1,0-2,5	1,0-6,0	1,0-6,0	1,0-6,0
height	mm	1000	1100	1100	1100
machine width*	mm	1780	2200	2300	2550
Front-to-back size with rack	mm	1100	1340	1340	1340
Front-to-back size feedback model	mm	-	910	910	910
delivery dimension excluding feeder belt	mm	620	710	710	710
weight/netto	ca. kg	240	740	750	900

*further working widths on request, further heatings on request.
 **maximum operating speed depending on work type and moisture retention rate
 Subject to alterations and mistakes. Photographs may include optional features

The POWERROLL and MASTERROLL.



More performance and perfect finish thanks to first class technology.



Roll positions:

Operating position

Pause position

Maintenance position



**You have an increasing need?
We stay your partner.**

MASTER – the high-performance ironer

The MASTER 1610 is combining best results in the finishing quality with such essential factors as cost-effectiveness and high-capacity. A truly unique attribute is the world's longest ironing path under pressure of 180 degrees.

POWERROLL and MASTERROLL – the multi-roll ironers for even more performance

POWERROLL multi roll ironers are characterized by top performance while being highly efficient in their energy consumption. Due to their ironing path of true 180 degrees entirely under pressure, the super chests achieve an extraordinary finish result where it counts – that is when large quantities of linen have to be ironed economically and fast. With the POWERROLL and MASTERROLL you will save time as well as energy and therefore money – and all this at an attractive cost performance ratio.

Building block principle – wonderfully extendible

STAHL-ironers follow a modular construction principle. Extension of any of our ironer lines is simple, making it possible to adjust your line according to the economic development of your business. Special sizes and customized planning to suit your individual needs are possible at any time.

**Extras for the perfect
finish performance.**

SERVANT – the feeding machine for increased performance

Performance of our ironers can be increased even further with the SERVANT linen feeding machine, by speeding up the linen feed. Using a clamp device, one single operator feeds even large pieces of linen one after the other to the machine at a fast pace and the linen is then automatically fed to the ironer.

DOMESTIC – the excellent folding machine

The folding machine DOMESTIC is available in eight working widths of 1,75 to 4 meters. This horizontal folding machine is your perfect complement for all STAHL flatwork ironers with a roll diameter of 400 mm or larger. The unpleasant task of folding hot linen from the ironer is replaced by a convenient and time saving technology.

STARFOLD – the convenient high performance folding machine

The intelligent and time saving technology of the STARFOLD is responsible for the entire folding of hot linen. The linen is treated with care, as it is folded by a hot air stream. The size and position of the linen is permanently measured by photocells. Furthermore, the length of the linen is calculated and then folded and stacked accordingly.

Made in Germany

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PROFESSIONALS WORK WITH STAHL