

Powerroll and Masterroll for a superior finish.



FLATWORK IRONERS | POWERROLL 500, 600, 800 + MASTERROLL 1210, 1610

PROFESSIONALS IRON WITH STAHL

STAHL
WÄSCHEREIMASCHINEN

**Wonderfully expandable:
The POWERROLL and MASTERROLL
with one, two or three rollers**

- Modular design for easy and trouble-free expansion
- Special sizes
- Customized concepts for your personal situation



FREEpro microprocessor control for increased operating convenience

- Optimised **FREEpro** microprocessor control
- Central controlling of the ironing line
- Ease of operation
- 99 freely programmable
- Memory slots
- Clearly structured analogue controlling as standard



Fully insulated double-shell metal cover

- Maximum machine insulation
- Radiant heat loss reduction
- Comfortable work environment
- Energy cost reduction

STAHL – intelligent PTS drive in its 3rd generation

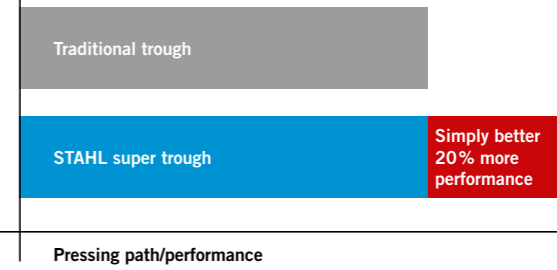
- Synchronous roller rotation
- Laundry does not lose its shape
- Intelligent roller lifting ensures uniform contact pressure

Heating types: Steam, electric or gas

- Steam up to 14 bar
- Electric with the specifically developed Thermoflow system
- Gas circulating oil system with modulating burner
- Optional stand-alone system for maximum flexibility. Several devices can be serviced simultaneously.

**The STAHL super trough
Extended pressing path with higher performance**

- 180° ironing path under contact pressure
- Up to 20% longer pressing path with comparable roller diameter
- Up to 20% higher performance
- Best laundry finish



Perfect finish thanks to top-quality technology.



MASTER 1610 flatwork ironer



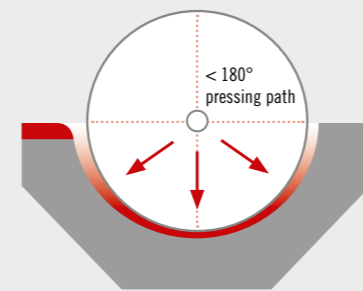
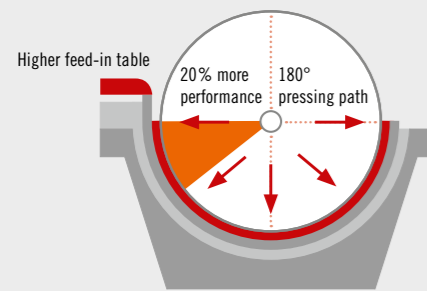
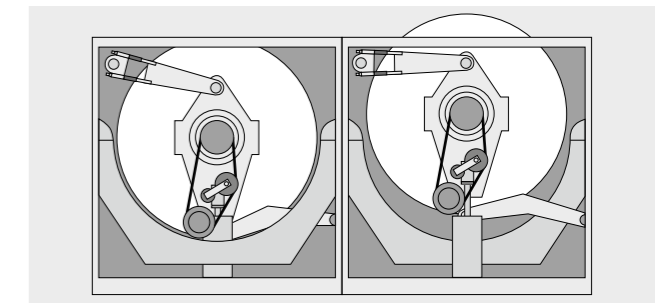
STAHL – intelligent PTS drive in its 3rd generation

- Direct drive
- Lowest possible maintenance efforts
- Synchronous rotation of the rollers ensure lowest textile wear
- Best possible finish, laundry does not lose its shape
- Lowest possible connected load
- Best possible efficiency
- **Lowest possible energy costs**



Alternative drive technology

- V-belt / chain drive
- Highest maintenance efforts
- No synchronous rotation of the rollers possible, means high stress for the laundry
- High connected load
- Lowest efficiency



STAHL – trough technology to guarantee your success

- Heated pressing path with $\geq 180^\circ$ of contact pressure
- Longest ironing path under contact pressure
- Constant ironing path even with textile wear
- Constant performance
- Precisely machined rollers and trough technology
- Optimised evaporative capacity



Alternative trough technology

- Shorter ironing path with $< 180^\circ$ of contact pressure
- Reducing the pressing path in case of textile wear
- Performance loss

		POWERROLL 500				POWERROLL 600				POWERROLL 800							
Number of rollers		1 / 2 / 3				1 / 2 / 3				1 / 2 / 3							
Roller length	mm	1750	2100	2700	3000	1750	2100	2500	2700	3000	3300	1750	2100	2500	2700	3000	3300
Roller diameter	mm	500				600				800							
Ironer speed ¹⁾	m/min	1–7 (4–18)				2–10 (3–20)				3–15 (6–30)							
Height ²⁾	mm	1230				1230				1680							
Width ³⁾	mm	Roller length + 800 mm				Roller length + 800 mm				Roller length + 880 mm							
Depth without folding table ¹⁾	mm	1130 / 1970 / 2810				1250 / 2260 / 3270				1430 / 2630 / 3830							
Weight per roller ³⁾	kg	1180	1280	1500	1800	1140	1410	1670	1800	2000	2200	1960	2090	2220	2350	2480	2660
Connected load of motors	kW	2 / 3 / 6,5				2 / 4 / 7,5				4,5 / 10 / 14,5							
Steam/condensation per roller	NW	20 / 20				25 / 25				40 / 40							
Compressed air 6 bar 40 L/min.	NW	1/4"				1/4"				1/4"							

		MASTERROLL 1210							MASTERROLL 1610			
Number of rollers		1 / 2 / 3							1 / 2 / 3			
Roller length	mm	1750	2100	2500	2700	3000	3300	3500	2700	3000	3300	3500
Roller diameter	mm	1210							1610			
Ironer speed	m/min	5–30							5–40			
Height ²⁾	mm	1600							2140			
Width ³⁾	mm	Roller length + 1200 mm							Roller length + 1225 mm			
Depth without folding table ¹⁾	mm	1900 / 3550 / 5200							2415 / 4590 / 6765			
Weight per roller ³⁾	kg	2900	3600	4100	4800	5500	6270	6650	8100	9000	9900	10850
Connected load E	kW	6 / 12 / 18							10 / 20 / 30			
Steam/condensation per roller	NW	40 / 40							40 / 40			
Compressed air 6 bar 40 L/min.	NW	1/4"							1/4"			

1,3) dependent on the number of rollers and their design

2) without ironer line tension

3) dependent on type of heating and the design

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



Smart electronics for significant improvements: Our MASTERROLL and POWERROLL flatwork ironers feature a low-stress and machine-friendly soft-start and stop, an emergency stop function with immediate arrest of the rollers, as well as a variable speed drive.

Other clever features are the permanently programmable ironer speed and various protection and diagnostic functions. In addition, optimal energy use is guaranteed with technology through automated power control processes.

Ventilator exhausting: The specially designed hollow roller shaft provides suction that is evenly distributed across the whole roller. The installation of a throttle valve makes the suction control customisable.

On-site customer service for the safety and reliability of your operation. Our after-sales service is centrally organised, fast, cost-efficient and available worldwide. Furthermore, you can obtain extensive telephone support from our qualified technicians. We can offer extensive training programs for your works technicians. This plays an important role in increasing the quality and efficiency of your operations.

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

The STAHL super trough

It has the longest pressing path under contact pressure and therefore has up to 20% more production capacity.

Split heating system

Precious energy can be saved as a result of the split steam routing inside the trough.

Reduced laundry wear

The rollers run absolutely synchronous. No run-on necessary. No stress of any kind is applied to the laundry item. This means that a round table cloth remains round, and a square one remains square.

Mature ironer line technology

There will be no disturbing ironer line marks. Interruptions are virtually impossible. This means you can avoid downtimes.

PTS drive

Thanks to this highly efficient drive technology, energy consumption is reduced to a minimum.

Maintenance and loss-free drive

The three phase current drive motors guarantee the low stress slow-start and -stop. No lubrication, no brake pads, low maintenance costs.

Modular construction

Every machine can be modularly extended and consequently adapted to the economic development of your business.

Thermal insulation

The energy-saving cover helps to contain the heat produced and to reduce radiant heat loss.

Full range systems provider

As a high-performance and competent family-run business we can offer you high-quality, economically mature and innovative products – we are your system supplier.

STAHL
WÄSCHEREIMASCHINEN



Intelligent technology for even greater performance.

SERVANT – this automatic feeder increases performance

Our automatic laundry feeder SERVANT can help you improve your performance output by increasing the laundry feed speed. Even large textile pieces can be fed in with high speed by a single person by applying a clamping device, and can then be entered into the ironer automatically.

DOMESTIC – the high-performance folding machine

This longitudinal folding machine can be combined as the perfect partner for all STAHL ironers. The first two longitudinal foldings are done by the machine automatically.

STARFOLD – the high-performance folding machine offering convenience

Our STARFOLD takes over the complete folding job with intelligent and time-saving technology. The folding process is done with a careful air jet. Photocells are applied to constantly measure the size and position of the laundry items. Individual item length is calculated and the laundry is folded accordingly.

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Full-range systems provider STAHL:

Stahl has been producing exclusively commercial laundry machines as a high-performance and competent family-run business in Germany since 1909 and as a system supplier is able to offer you economically mature and innovative products:

- > **Washing machines** for quick and efficient laundry care up to 110 kg
- > **Pass-through washing machines DIVIMAT** for your needs up to 200 kg
- > **Tumble dryers** with the most modern technology available for energy-saving drying up to 100 kg
- > **High-performance ironers** are the perfect laundry finish for any need
- > **Disinfection sluices**



**Washing machine
ATOLL**
5.5–110 kg



**Pass-through
washing machine
D-Y 1600**
14–200 kg



**Tumble dryers
T 256**
8–100 kg



**Flatwork ironer
MASTER 1610**
210–2010 mm
Roller diameter



**Folding machine
KOMBIFOLD**
for terry cloth towelling
and dry laundry

Made in Germany

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PROFESSIONALS WORK WITH STAHL

