

THE RANGE



The complete supply
for laundries and
laundry departments

Made by STAHL



STAHL

WÄSCHEREIMASCHINEN

We are a company with a long tradition. We have been manufacturing laundry machines since 1909 – for four generations. We are a dynamic, competent family operation with clear principles. Quality is the most important one, closely followed by innovation and the demand for economically and technically perfected products. Our local team vouches for these principles, as „Made by STAHL“ for us implies the quality of „Made in Germany“.

The demands put on laundry machines today are high. Excellent wash and finish results rank first among the expectations. However, price and space requirement also have to be right and the machines are expected to operate economically. Our wide range of laundry machines puts us in the position to equip your laundry granting you the best possible conditions. Ask for our special information literature about the machines that you are interested in.

We would gladly advise you on your specific needs and also meet your individual requirements quickly, conscientiously and with the very best quality. Our customer service is reliable ... we are there when you need us.

Our commitment to quality made us successful

Our customers with their exacting demands and high standards showed us the road to success. With professional know-how, with high quality standards and with a drive to innovate we were able to meet those demands and add them as technical achievements to our machines. This approach has not changed since 1909. As a result we have not only grown bigger but have also developed pioneering technologies in this industry as for example the STAHL Super-Chest, the Power-Transmission-System PTS or the microprocessor control unit FREEpro.



Our production and administration building in Sindelfingen measures nearly 7000 m².

We manufacture innovations

While the trade publications are still writing about our newest innovations and while our customers are still praising our ever improving performance or the ever simpler operation of the machines, we are already hard at work at improving our machines and making them

even more economical in their operation.

However, we do not rush anything.

Only when these innovations have proven themselves and passed our demanding tests, they are offered to our customers.



Final assembly of flatwork ironers MC 330

Our development engineers work with the most modern construction programmes, the Planning Department uses stable software to control high-performance machines, as for example laser cutters or punch-laser-combinations. Our technical specialists for the shell construction use these and other metal working machines to prepare the assembly on 2000 m² with the final assembly taking place at two other plants. The laundry and finish machines are then carefully checked on the testing stand before they are despatched – from our plant in Sindelfingen to customers all over the world.

Professionals do their laundry with STAHL

Linen care with our ATOLL and DIVIMAT washer-extractors does not only offer you many advantages but gives you a good feeling as well. One of the reasons is their ergonomic design. The control unit is easy to operate, the machines run very quietly and the access doors are

big enough to allow an easy loading and unloading of the machine.

You will also feel good about the way the linen is processed. This is ensured by the PTS drive (Power Transmission System) developed by us. The PTS drive ensures a quiet wash operation and a gentle start and acceleration of the machine up to the infinitely variable spin revolutions.

We have also developed the drum in such a way that the conical design of the drum perforation does not damage the linen and ensures at the same time the necessary thorough and fast flooding of the linen.

You will certainly feel really good knowing that with a STAHL washer-extractor you own a product that will

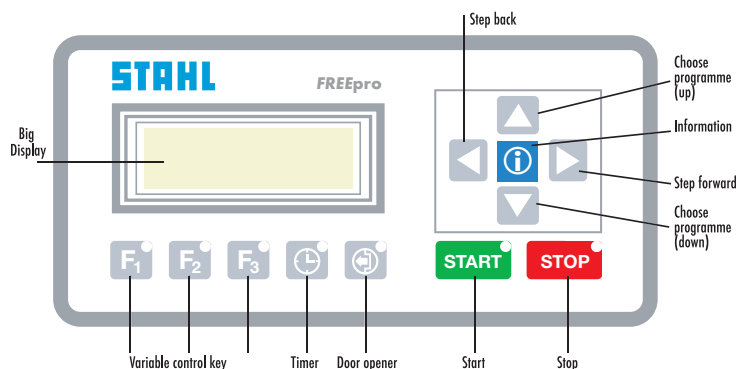
not break down on you. All components that come into contact with water are made of EDELSTAHL rust-free stainless steel, material 4301, the electronic control unit is protected against humidity and the stability of its bedding is yet to be beaten.



FREEpro – the name speaks for itself

Our washer-extractors are controlled by the state of the art, freely programmable microprocessor control unit FREEpro. It was developed by us and leaves you all the choices while at the same time it is extremely easy to operate. One of the features guaranteeing these advantages is the well-organized plain language display, which continuously informs the operator about the current state of the wash operation.

This control unit also ensures the most careful handling of your linen by offering the possibility to individually programme almost all of the adjustable parameters (e.g. wash revolution and spin revolution). STAHL machines are therefore suitable for all types of textiles, from curtains, mixed fabrics, bed linen, outer-wear to heavily soiled mop heads.



The advantages of the state of the art FREEpro at a glance:

- Operating instructions in clear and plain language
- Continuous control of the wash operation
- Availability of extensive statistical information, e.g. in order to record the energy, water, detergent consumption etc.
- Text display and error diagnostic system in many languages
- 12 standard programmes included, plus the possibility to completely freely programme the unit, which can be done even by non-technicians
- The unit is programmed by means of conversational communication technology
- A timer makes it possible to operate the machine without any staff being present
- Your individual programme can be easily selected
- The unit is equipped to control six external dosing pumps for wet cleaning

ATOLL 55 to ATOLL 1100

The heavy-duty washer-extractors



ATOLL 55-77

ATOLL 55 and ATOLL 77 – the small professional machines

These machines are the ideal professional starter machines for those laundry operators who believe that using ordinary household machines or semi-professional machines for their industrial linen means too many repairs, that it is too expensive or time consuming. With these small professional machines the operators have the advantages of a long-life, heavy-duty machine at manageable investment costs. An outstanding feature of this tried and tested range of washer-extractors is the successful combination of a robust

construction and state of the art technology. The PTS-Drive (Power-Transmission-System) developed by us ensures for example the near quiet wash-operation and the gentle start and acceleration of the machine into the infinitely variable extraction speed. Further benefits of this technology are the economical operation and environmentally friendly energy and water consumption. The great variety of the STAHL washing machines is further emphasised by the choice of steam, thermal oil or electric heating.



ATOLL 100-220

For all jobs and needs – ATOLL 100 to ATOLL 220

The high-speed ATOLL washer-extractors with the load capacities of 10, 12, 14, 19 and 22 kg are used in those laundries that have a continuously high linen turnover. Due to its state of the art FREEpro microprocessor control unit the machine can be programmed to meet the operator's individual needs. The operator is continuously informed about the state of the wash operation and an extensive monitoring and diagnostic system ensures a smooth functioning of the machine. The economical and environmental advantages

of this range can be increased even further by choosing our liquid dosing system. The ATOLL is well suited for all kinds of wash processes and textiles from curtains, mixed fabrics, bed linen, and outerwear to heavily soiled mop heads. It is also put into action at the more unusual places: fire services clean their protective clothing with it, horse riding stables wash the horse blankets and saddle cloths with it, abattoirs their the protective gloves and aprons and dairies wash and disinfect their milking cloths with the ATOLL.



ATOLL 350-1100

Large wash with high quality – ATOLL 350 to ATOLL 1100

Our large ATOLL machines are ideally suited for those laundries that have to efficiently process large amounts of linen without making any compromises in regards to wash quality. The ATOLL is available with the load capacities of 35, 60, 80 and 110 kg. These machines also stand out for their highly developed wash mechanics, as for the example the increased number of scoop-ribs, which ensures a quicker flooding of the linen. The spin performances with their high g-factors complement the addi-

tional benefits that the laundry professionals enjoy with these machines. These high speed washer-extractors also have the same advantages to offer as all ATOLL machines, for example the finish in EDELSTAHL rust free stainless steel, material 4301, the minimized energy and water consumption, and the perfectly quiet operation. Another outstanding feature is the tried and tested PTS-drive, which ensures that the machines are virtually maintenance free.



Washing machine accessories and extras



Liquid dosing system

Our liquid dosing system is a convenient and cost saving accessory for your STAHL washer-extractor. One of its advantages is that the exactly right amount of washing agents and fabric conditioners are always added at the just the right time. An overdosing, which would cost money and harm

the linen and the environment is thus made impossible. The operator also saves time with this system, since the entire wash operation is fully automatic (and can be executed for example at night) and the detergents and conditioners do not have to be added manually anymore.



Water recuperation system

The water recuperation system developed by us also contributes to cost savings and protection of the environment. The water of the rinse baths does not have to be uselessly drained into the canalisation but can without any problems be used for the first

wash of the next load. As water is precious and becoming more and more expensive, the savings of up to 30 % in water consumption will make a marked difference to your operating costs.



Fluff filter

Blocked drains in the drainage systems of your building are an unpleasant and expensive problem. You can avoid this happening with our fluff filter. The filter and the stainless steel tank reduce the need for cleaning and

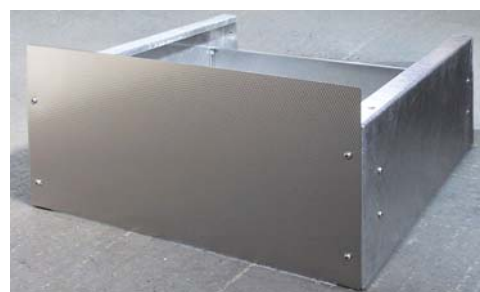
maintenance work. They catch the lint and protect the drains from being blocked. The fluff filter is mainly recommended for the washing of cleaning rags and mop heads.



Base frame

Our washer-extractors can be mounted on a base frame to make an ergonomically sound loading and unloading of the machines possible. The bases are available in two standard

heights, however, if required, we will also construct a base frame according to specification. The working height is thus optimised and strain on the back reduced.



Hydro-extractors

We especially recommend the use of our hydro-extractor if you have a washing machine in operation which has a lower spin performance than our STAHL machines. With a speed of 1450 revolutions per minute, it ensures a quick and thorough draining of

the linen. It is available with the load capacities of 10, 15, 20 and 30 kg. These machines are also popular for special applications as for example in the rubber industry or in the agricultural industry.



DIVIMAT – The barrier type washer-extractor in a through-loading design

High speed washer-extractors for contaminated linen in homes and hospitals

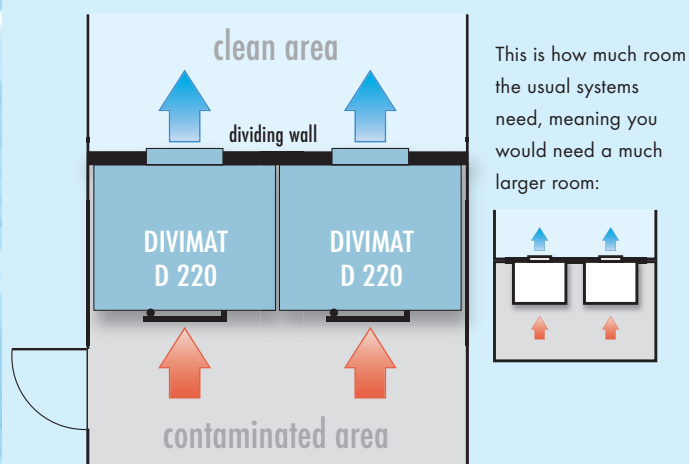


It is a stringent requirement for hospitals and homes that are engaged in the care of people to separate their laundry into a clean and separate contaminated area. The washer-extractors DIVIMAT D and

DIVIMAT S were developed to accommodate this particular requirement. These through-loaders are designed for installation into a dividing wall and feature separate loading and unloading sides.

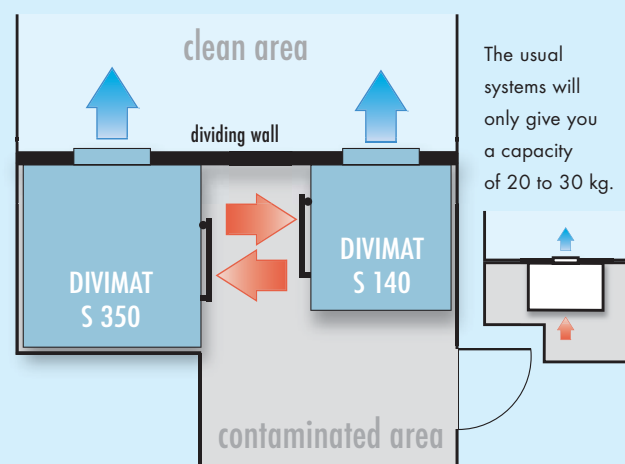
The DIVIMAT D needs less space than all other systems.

There is no need for space at the side of the machine for servicing etc. The machines can be placed directly next to each other and directly against the side wall. **This adds up to space savings of up to 30 %.**



DIVIMAT S – maximum flexibility.

As these machines are loaded from the side (left or right), they can also be installed in recesses and corners. Two DIVIMAT S will therefore give you a dry load capacity in this room of 49 to 57 kg.



DIVIMAT D

DIVIMAT D 190 to D 800 – the convenient solution for hygiene laundries

This range stands out for its double sided stable bearing of the drum and the state of the art vibration-absorption which is based on a combination of friction absorbers and pneumatic springs. This ensures a very quiet wash operation in spite of the high g-factor. The doors are conveniently side

hinged and have an ergonomic opening angle of 180°. The drum opening automatically stops at the right opening position and can easily be opened with one hand. The DIVIMAT D are produced in the sizes of 19, 22, 35, 40, 60 and 80 kg for steam, hot-oil circuit and electric heating.



DIVIMAT S

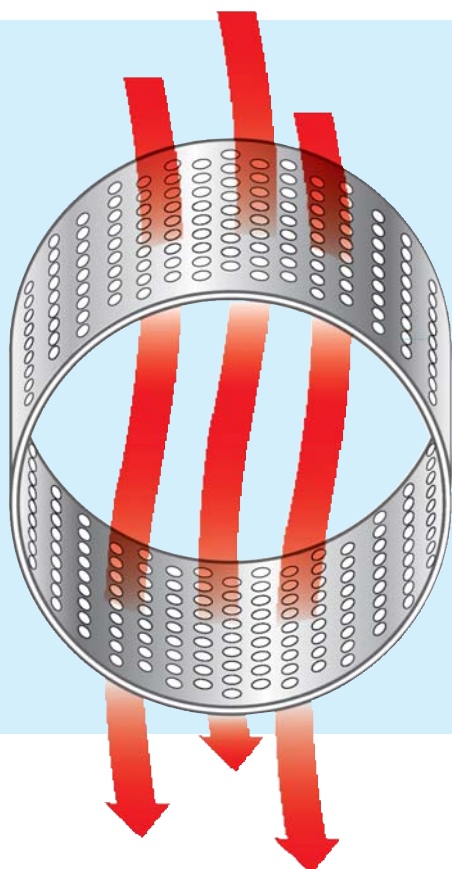
DIVIMAT S 140 to S 600 – the flexible connection between clean and unclean side.

The DIVIMAT S is quite flexible, since it can either be loaded from the right or left side, depending on room requirements. This offers maximum flexibility when installing these machines while at the same time they can be easily and ergonomically unloaded by means of a large bull's eye door. Like all of our washer-extractors the DIVIMAT models

are equipped with the FREEpro control unit which offers the possibility of cross-linking, online-operation, and operating data documentation. DIVIMAT S is available with the load capacities of 14, 19, 22, 35 and 60 kg and can also be fitted with the energy and water saving liquid dosing system.



Air blower



Fluff filter

**Radial ventilation through
the entire perforated drum**

The STAHL industrial drying tumblers are available in five sizes with the load capacities of 10, 14, 25, 35 and 50 kg. Special features of our drying tumblers are their hardwearing construction and the specially designed radial ventilation. As shown in the drawing on the left, the air is circulated from high to low through the entire perforated drum. This ensures a fast and especially thorough drying of the entire load. Due to the gentle treatment of the linen, STAHL drying tumblers can also be used for more delicate textiles as for example outer wear.

The lint filter is positioned underneath the drum and can be conveniently acces-

sed from the front for cleaning. The operation of the machines is even more convenient. The ultra modern *FREEpro* microprocessor control unit is easy to use and informs the operator continuously in clear and plain language of the current state of the drying process.

The advantages of the dryer control unit *FREEpro*

- Tried and tested in its application with our washing machines
- Operating instruction in clear and plain language
- Continuous monitoring of the drying process
- Availability of extensive statistical information, e.g. recording of energy consumption etc.
- Text display and error diagnostic system in many languages
- 6 standard programmes included, plus the possibility to completely freely programme the unit, which can be done even by non-technicians
- Programmes are set by means of conversational communication technology
- Individual programming is possible for drying mechanic, time pre-set, drying, cooling phase, ingoing and outgoing air temperature, revolution, drying time, holding period, reverse interval and crease protection, which can be switched on if needed.
- The time pre-set function makes it possible to start the machine without the need of staff being present
- Programmes can easily be set to meet individual needs
- Automatic safety cool-down at the end of the drying process

T 132 - T 146

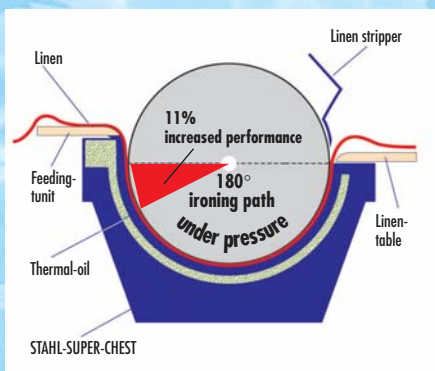
Heavy-duty and efficient – the STAHL drying tumblers

The heavy-duty, compact steel construction of the housing is one of the factors ensuring a long service life of the STAHL drying tumblers. The drum and all other component parts that come into contact with the linen are made of EDELSTAHL rust free stainless steel, material 4301. The drum drive transmits power directly to the drive pulley without wasting energy (for example on V-belts).

The air-stream is guided radially through the entire drum thus ensuring an excellent drying result. The dryers are extremely easy to operate due to the application of our state of the art *FREEpro* microprocessor control unit. The lint filter can be conveniently accessed and has a large surface area thus making the cleaning job an easy task.



Professional linen-finish with STAHL flatwork ironers



The decisive factor when it comes to the quality of the linen-finish is the ironing technology. We decided to follow the construction principle of a heated bed flatwork ironer. The linen is not guided through rolls or cylinders but

passes between a bed and a fitted roll. This is the only way possible to achieve a top class finish, which is by the way also a quality attributed to our machines and which is also the result that you could achieve in your laundry.

The pressure is important

The main criterion for the quality of the finish is an optimised pressure, which in turn works on the linen. The elegant shine of the linen can only be achieved with the construction principle of the heated bed flatwork ironer. There are also no more annoying imprints of the transport belts.

Because of this mark of quality we do not speak of linen's contact surface while being processed but of the ironing path along which

it travels. The pressure of STAHL ironers is optimised and gives the linen their elegant look. In addition we achieved a roll coverage of real 180° by increasing the height of the chest on the feed side.

The STAHL SUPER-CHEST

All flatwork ironers as of the MC 400 upwards are equipped with the fully insulated, heat-storing SUPER-CHEST. These chests are produced with the most modern technology from highest quality steel, which is annealed stress free and finished on a specialized machining centre.

The high performance level, which is so characteristic for all of the STAHL ironers, is achieved by a combination of various construction measures. There are no energy wasting drive components as for example V-belts or chains. Furthermore, the split heating system and the fully insulated chests and metal hoods reduce energy loss to a great extent. The ironers efficiency is also guaranteed by the PTS drive which ensures that the motor only uses as much energy as is absolutely necessary for the intended result. The choice between four heating systems as well as the various special models and available extras make it possible to create the optimised ironer solution for any need in any laundry.

MC 210

Professional ironer technology starts with the MC 210

This flatwork ironer has a roll diameter of 21 cm and is available with the working widths of 100 and 140 cm. The electronically infinitely variable drive system is located right on top of the roll. As there is no need for chains and belts, you can

enjoy the advantages of an absolutely maintenance free drive. The linen is fed via a stable feed table above the linen trough. A wide collapsible folding table, which is supported by strong brackets, serves as a convenient worktop or stacking table.



MC 330

The top of the compact class is the MC 330

The comfort model MC 330 and the back feed model MR 330 (described below) form the class of flatwork ironers with a 30 cm roll diameter. With their working widths of 165, 175 and 200 cm these machines cater for an often-required performance volume. The most outstanding feature of the MC 330 is the heat saving hood and its convenient

feed aid. These two features together result in an marked increase in performance with simultaneous energy savings. The vital component of the MC 330 and MC 210 models is their gray cast iron chest. It remains thermally stable even under extreme temperature fluctuations and has excellent heat absorption and distribution properties.



MR 330 to MC 1200

Top class flatwork ironers



MR 330-600

The space savers MR 330/400/500/600 for one-person operation

These models with linen feedback, which do not need a folding table at the rear of the machine, have been developed to cater for today's need to lower costs. As the linen is fed and taken off from the front of the machine, it can be installed in front of a wall, thus saving space. This also means that only one person is

required to operate the MR-models resulting in further cost reductions. The staff will appreciate the ergonomic advantages. The feedback facility was designed in such a way that the linen can be taken off in a standing position. There is no tiresome bending down, which is so typical for this kind of work.



MC 400-600

MC 400 to MC 600 – High-performance specialists for the top finish

All models as of this size are fitted with the fully insulated, heat saving SUPER-CHEST, made of highest quality steel, which is annealed stress free at 650°C. With their roller diameter of 40, 50 and 60 cm they are the optimal connection between an excellent finish quality and an astounding

efficiency. They are available in the heating systems gas, thermal oil, electric or steam and in the working widths of 175, 210, 250, 270 and 300 cm. Like with all STAHL ironers, their bed has been heightened to increase the „ironing path under pressure“ to 180 degrees.



MC 800

High performance begins with MC 800

The flatwork ironers as of MC 800 are the first choice when the current performance is no longer sufficient and more is needed. The strong point of the MC 800 is that it is capable of a high linen turnover without allowing the quality to suffer. This ironer is available in the working widths of 175,

210, 250, 270, 300 and 330 cm. The design of the chest, the fully insulated hood and the maintenance free drive ensure an economical energy consumption while allowing a high yield. This impressive efficiency is one of the factors that have given us so much success.



MC 1200

The champion of the top class is the MC 1200

The rolls of these machines measure a proud 120 cm in diameter. This enables the MC 1200 not only to process large quantities of linen in a very short time, but it also reduces the necessity to dry the linen beforehand to a minimum or even renders it unnecessary. All functions of the machine are centrally controlled by means of a large operating panel.

The sophisticated electronic components, however, are kept in the background, allowing the operator to enjoy the advantages of an easy operation of the machine. The MC 1200 is available with the standard roll diameters of 175, 210, 250, 270, 300 and 330 cm and is due to its dimensions the most space saving machine of its class.



POWER ROLLER – the standard for an environment friendly high-performance finish

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POWER TWIN

The name says it all: the **POWER TWIN** range

The STAHL multi-rollers are used when large quantities of linen have to be ironed economically and quickly while at the same time an excellent finish has to be achieved. All of the STAHL flatwork ironers with a roll diameter of 50, 60, 80 and 120 cm are also available as POWER TWINS with two rolls. These ironers are characterised by an enormous performance while at the same time they are extremely

economical in their energy consumption, a combination that will pay off very quickly for your laundry. The PTS drive with its frequency converter ensures that only the amount of energy is consumed that is absolutely necessary to operate the motor at that very moment. The two rolls are perfectly synchronized, so that there is no tension on the linen and so that the linen is not pulled out of shape but keeps its original form.



POWER ROLL

A giant in cost effectiveness – the **POWER ROLL**

The multi-roll ironer POWER ROLL is also based on the tried and tested ironer construction and technology that STAHL customers already take for granted. The design of these machines stands out due to its straight, smooth surfaces giving

them a more solid and larger look. The relationship of quality and performance to the price of these machines is close to unbeatable. This is the reason why it has attracted a worldwide interest in spite of all the economic and exchange rate fluctuations.



POWER STAR

POWER STAR – The Stars among the power machines

These flatwork ironers achieve the ultimate high-performance results. The POWER STARS with three rolls (even more if required) have been developed for the performance-oriented laundry that nevertheless wants to maintain a high finish quality. The POWER STAR models are produced with the roll diameters of 50, 60, 80 and 120 cm.

Every roll is addressed directly by the drive, so there is no slippage or friction loss as occurs with V-belt drives or chain drives. This is only to mention one of the reasons why POWER TWIN, POWER ROLL and POWER STAR are so over-proportionally efficient at low energy costs.



DRAP-O-MAT

Linen cake-buster to increase performance of ironing process.

Our preparation machine DRAP-O-MAT improves the efficiency at the high-performance end of the linen finish even further by increasing the output speed of your ironer. The DRAP-O-MAT prepares the linen to be fed to the ironer or folding machine by

loosening the damp linen cake, untangling it and arranging it over spreaders. This enables the operator to feed the linen pieces to the finish machine at a high speed thus ensuring an optimal use of the performance potential of these machines.



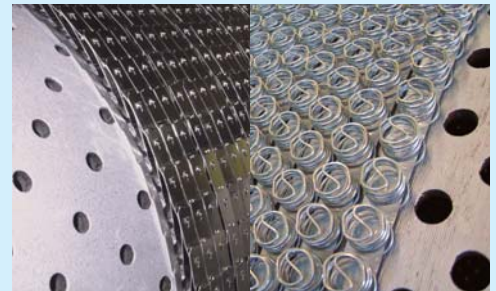
Ironer accessories and extras



Padding alternatives

The padding of our flatwork ironers consists of steel wool, springs or lamellas and a cover-cloth, which varies in material depending on the selected heating system. With this combination you will definitely

achieve an excellent finish. Depending on requirements, the padding alternatives can be combined with cover-cloths made of Nomex needle felt or polyester.



Long feed aid

If required, we equip your ironers with a feed aid to extend the feed belt to 75 cm. This makes sense in particular in laundries operated by disabled staff, as it gives the

operators a little bit more time to put the linen on the feeder belt properly. In all other laundries this optional device simply serves to allow a more comfortable work procedure.



Linen trolleys, shelves and linen trestles

Short transports and the possibility of intermediate storage of the linen are of vital importance for the logistics and flexibility in your laundry. We stock transport and sorting

trolleys, shelf trolleys, wheeled linen trestles, storage shelves and stacking tables. They are either manufactured by us or by other well-known suppliers.



Ironing tables and form finishers

Of course, as we offer the complete range of laundry equipment, we also stock a selection of ironing tables and spotting tables of well-known producers. With integrated or external water containers, with or without steam boiler, the choice

is yours. Formers, pants finishers, ironing presses and other finishing equipment for outerwear garments are also part of this. Like our own products, these products will also meet your high expectations and are an example of the most modern technology.



Perfectly quiet compressor

Every flatwork ironer needs compressed air to do its job. If there is no compressed air circuit available in the building, it can be produced by means of the optionally

available compressor. We have a high quality model available, which matches the quality standard of our ironers and works perfectly quietly and reliably.



SERVANT, DOMESTIC and BOULEVARD

Finish-performance at its best

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SERVANT

The feeder machine SERVANT increases the performance of your ironer

You can further increase performance with the linen feed machine SERVANT by increasing the feed speed. 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 by the SERVANT to the ironer.

Either one or two lines can be operated at one time with a working width of 1.75 to 3.30 metres. A second suction device for the rear seam can be fitted to further improve the quality of the result. SERVANT can either be connected to the STAHL ironers or to the ironers of other manufacturers.



DOMESTIC

The DOMESTIC folding machine works fast and accurately

The horizontal folding machine DOMESTIC is available with the working widths of 175, 210, 250, 270, 300 and 330 cm. It is best described as the perfect complement to all STAHL ironers from MC 400 upwards. This high performance connection saves time, staff and money wherever large amounts of linen have to be processed quickly and accurately.

The unpleasant task of folding hot linen from the ironer is replaced by time saving technology. The linen is treated with care since it is not folded by mechanical folding plates but by a hot air stream. The machine is controlled by photocells and a microprocessor. Due to its wide variety of programmes it can be set to suit all kinds of textiles and folding techniques.



BOULEVARD

The ultimate finish on the ironer line BOULEVARD

The Boulevards of this world with their flair and attraction gave their name to our finish line. Feed machine, flatwork ironer and folding machine become one perfect unit. Each and every one a master in reliability, economic performance and efficiency – all together truly a guarantee for a sophisticated high-performance finish. Let us advise you

on the composition of your finish line. Depending on whether you mainly process table wear or large linen, whether quick changes from small to large pieces are important or whether you are more concerned about speed ... we will help you to find the right combination.

