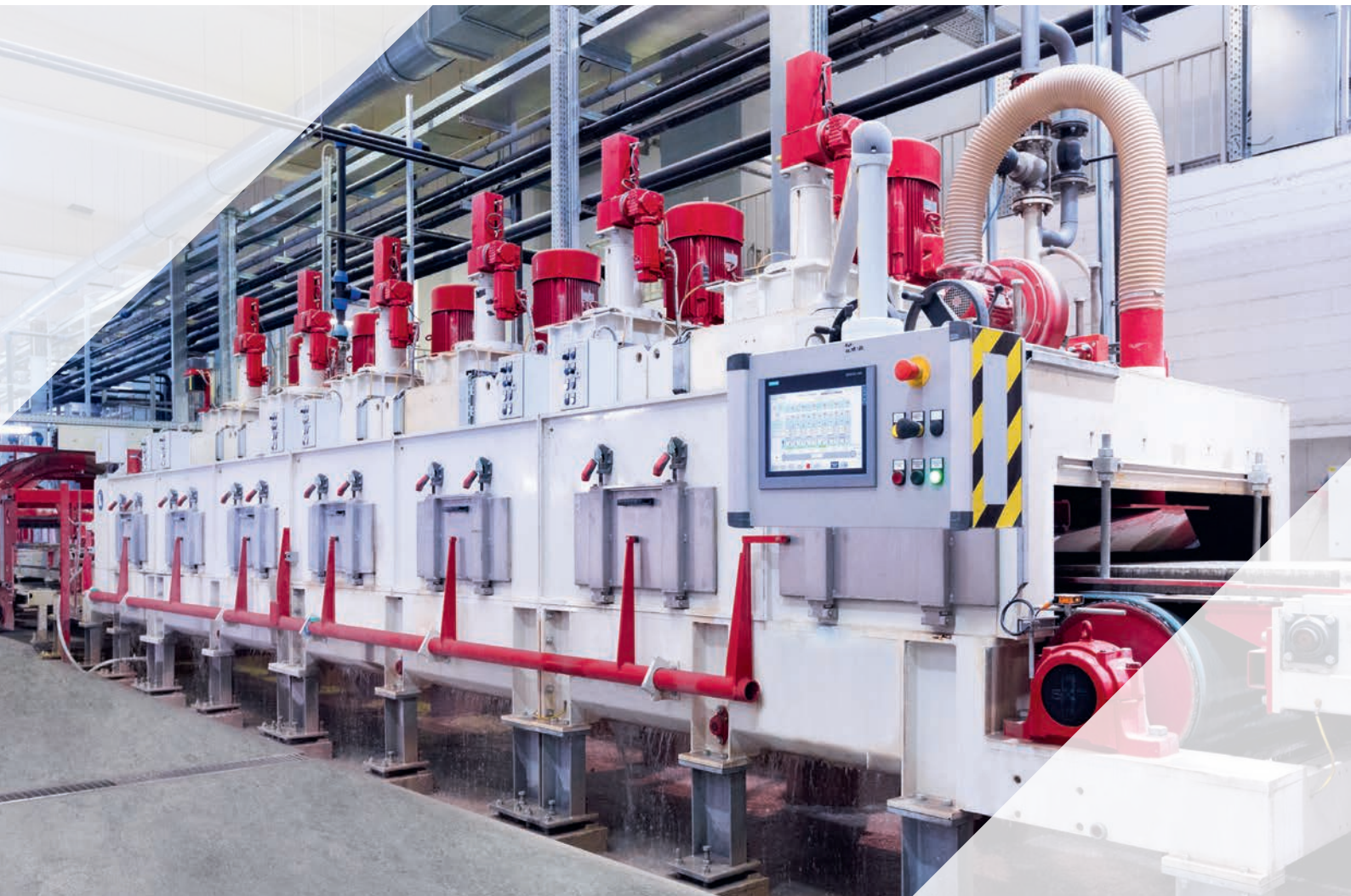


VALUE ADDING AND PACKING LINES FOR PAVERS AND SLABS



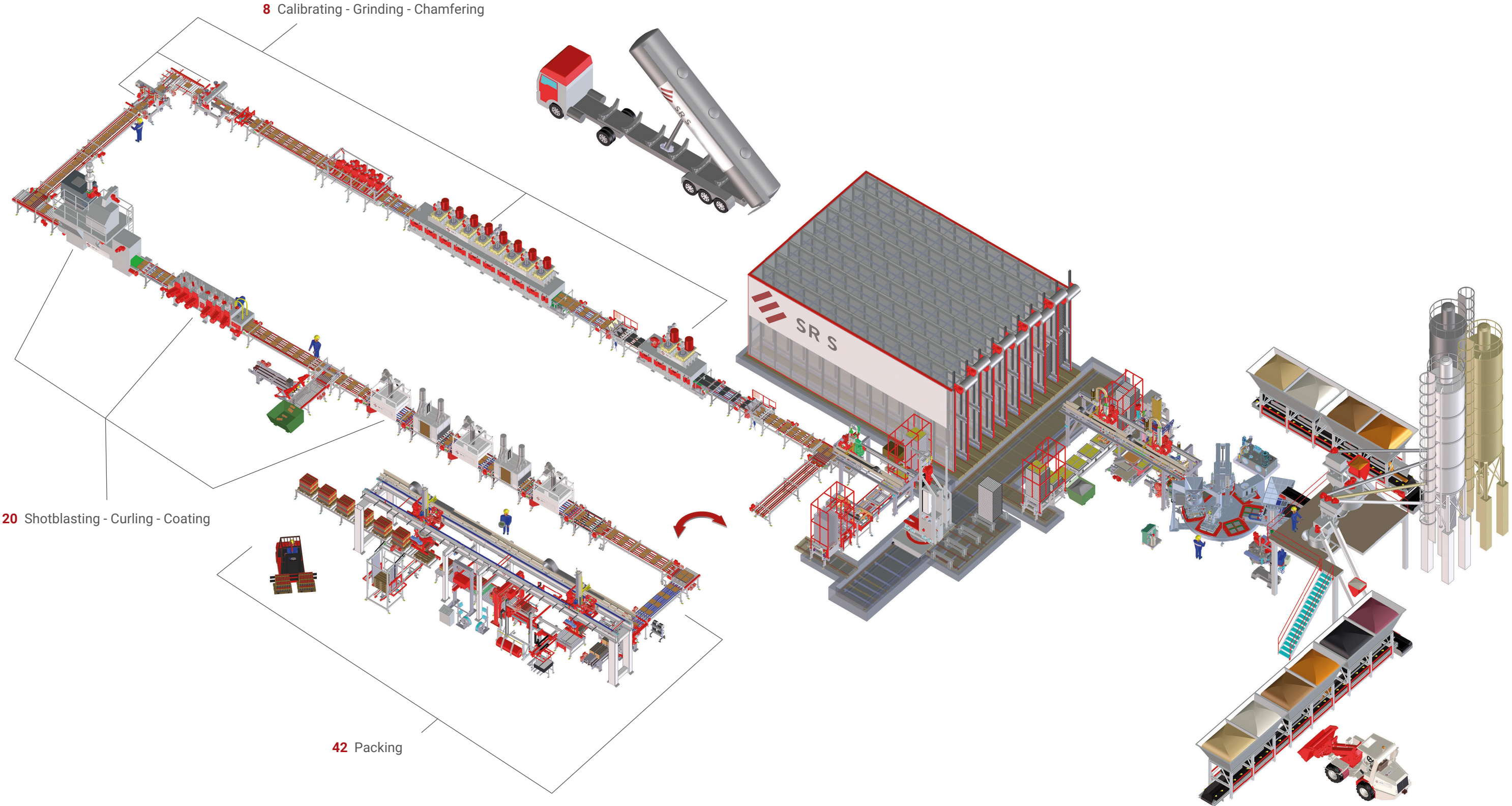
**INCREASE YOUR PROFIT WITH OUR VALUE ADDING AND
PACKING LINES FOR PAVERS AND SLABS**

INNOVATIVE. RELIABLE. EFFICIENT.

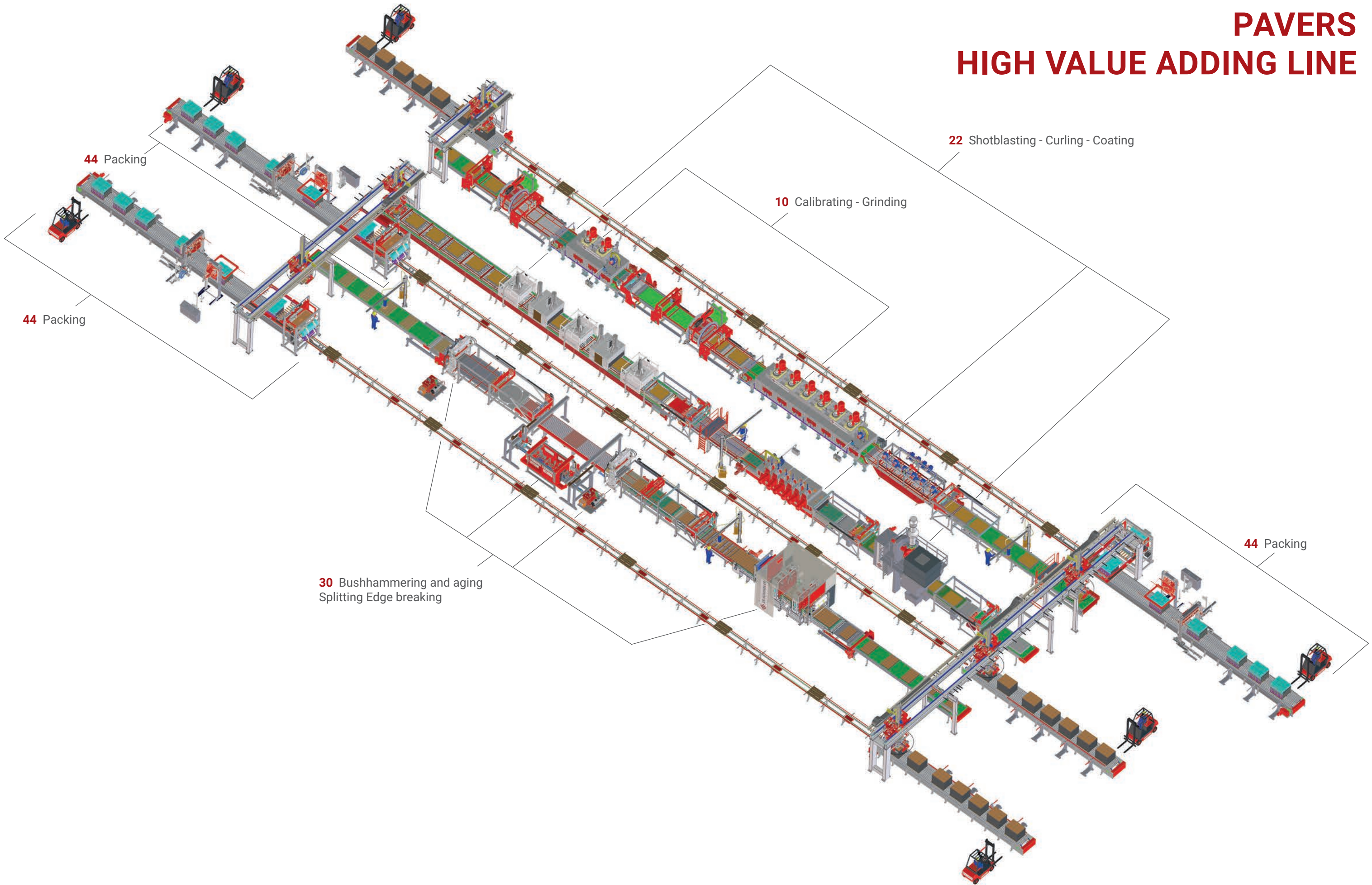
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HERMETIC SLABS HIGH VALUE ADDING LINE



PAVERS HIGH VALUE ADDING LINE



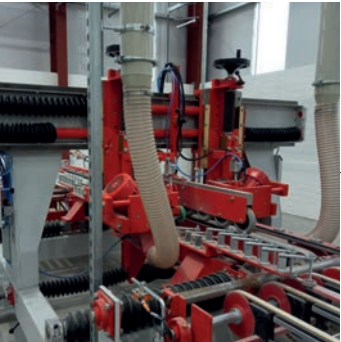
CALIBRATING – GRINDING – CHAMFERING

SLABS

48 Star-shaped turning device



16 Chamfering machines



12 Calibrating machine



14 Grinding machine



Drying line

CALIBRATING – GRINDING

PAVERS

48 Drum turning device



14 Grinding machine



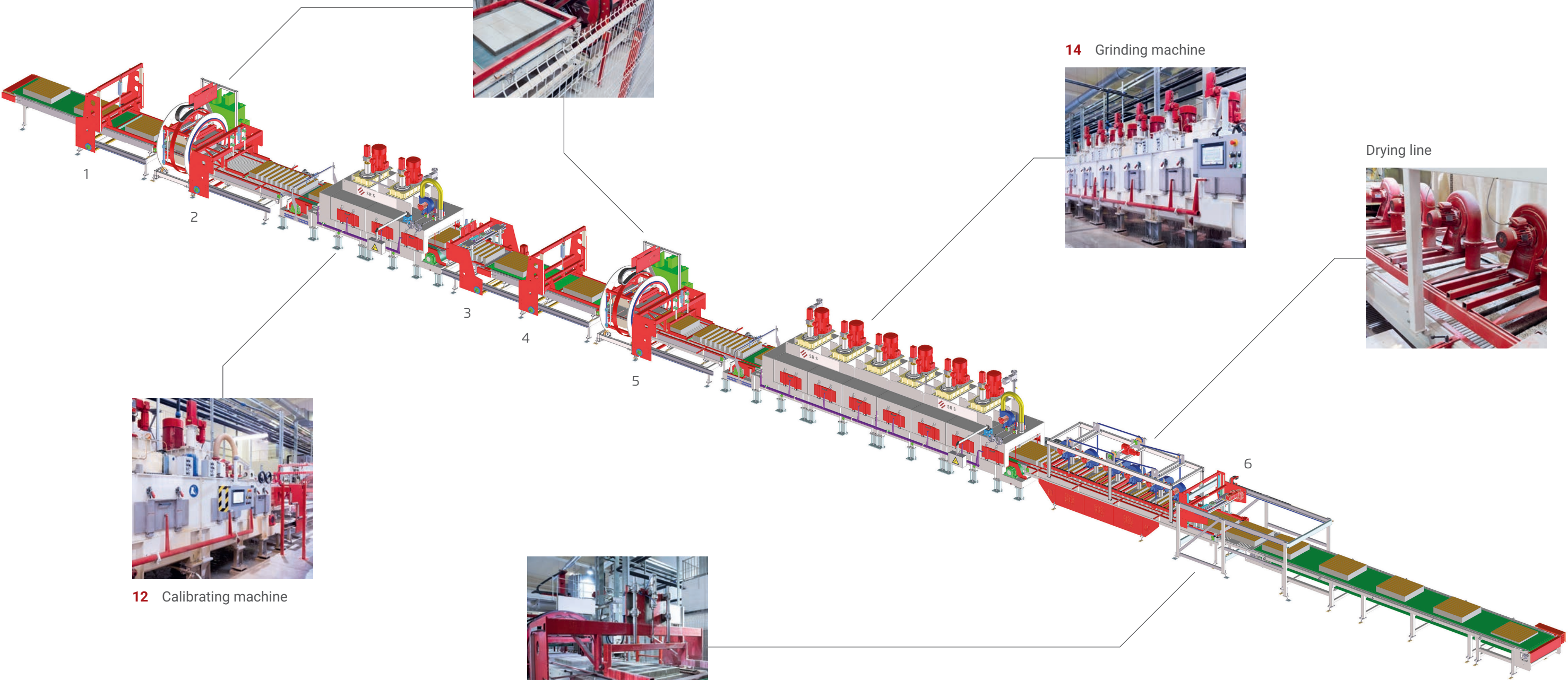
Drying line



12 Calibrating machine



48 Layer pusher (1-6)



CALIBRATING

Of pavers and slabs. Milling off of fabrication tolerances (equalizing of height differences or conicity), respectively layer-wise milling of wall- and chimney stones unilateral or bilateral for mortar-free processing.

Treatment in dry or wet mode possible. Depending on customized requirements, the calibrating machines are available with up to 3 stations. Working widths 850 and 1,200 mm.

Machines equipped with lateral guidances with motor-driven adjustment available as an option. Solid tunnel type segment construction made of steel. Armoured bed made of grey cast iron with high-precision ground manganese hardened steel plates and multilayer armoured Siegling conveyor belt for planar and smooth transport of the products through the calibrating stations. Calibrating stations equipped with milling diamonds. Milling diamonds installed on universal holding disc. Quick tool exchange via dovetail guidances.

Frequency-controlled main drives and vertical movement of every station. The machines are equipped with an independent control and operation panel with visualization. Processing parameters per product type can be saved.

Available as inline and offline machine.

Customer benefits

- High-quality, reproducible products due to planar and smooth belt transport
- Durable machine due to stable and high-quality construction
- High flexibility due to modular design (stations can be retrofitted) and universal holding disc for process engineering use
- Time saving and improved user comfort thanks to electric height adjustment
- Cost and space saving in dry treatment due to elimination of grinding water recycling (no water treatment) and special waste disposal
- Cost saving in dry treatment due to reusing the dust (depending on the dust extraction used) as filler in the concrete mixture



Technical specifications *

Belt speed:

0.5–5 m/min.

Average processing speed

in wet mode: approx. 2–2.5 lin. m/min.

in dry mode: approx. 1–1.5 lin. m/min.

* depending on product characteristics and required final result



GRINDING

Of pavers and slabs. Calibrating is a precondition for optimum grinding results. After calibration, products are ground in the grinding machine with up to 10 high-power stations. Depending on the number of grinding stations used, a surface appearance from rough to fine can be achieved.

Treatment in dry and wet mode possible. In wet treatment with 10 stations, a grinding degree of maximum 220 can be reached. Dry treatment is recommendable only for facemix with a hard stone ratio of max. 50%. Working widths 850 and 1,200 mm.

Solid tunnel type segment construction made of steel. Armoured bed made of grey cast iron with high-precision ground manganese hardened steel plates and multilayer armoured conveyor belt for planar and smooth transport of the products through the stations. Every individual station can be equipped with milling diamonds, smoothening or grinding segments. All tools installed on universal holding discs. Quick tool exchange via dovetail guidances.

Frequency-controlled main drives and vertical movement of every station. Every station with contact pressure control. The machines are equipped with an independent control and operation panel with visualization. Processing parameters per product type can be saved. Can be combined with other value adding steps like chamfering, shotblasting, curling, coating and impregnation.

Customer benefits

- High-quality, reproducible products due to planar and smooth belt transport
- Durable machine due to stable and high-quality construction
- High flexibility due to modular design (stations can be retrofitted) and universal holding disc for process engineering use
- Time saving and improved user comfort thanks to electric height adjustment and fully automated contact pressure control
- Cost saving in dry treatment due to reusing the dust (depending on the dust extraction used) as filler in the concrete mixture



Technical specifications *

Belt speed:

0.5–5 m/min.

Average processing speed

in wet mode: approx. 2–2.5 lin. m/min.

in dry mode: approx. 1–1.5 lin. m/min.

* depending on product characteristics and required final results



CHAMFERING

Of pavers and slabs. Chamfer milling by means of diamond milling stations and/or for parallel calibrating of the side parts or for milling off the unwanted spacers with additional supports.

Machine in modular bridge design for receiving max. 8 supports (4 per machine, 2 chamfer and 2 face supports each).

Robust, fully automatic. Continuous speed steplessly adjustable.

Chamfer width variable by lateral adjustment of the tool support.

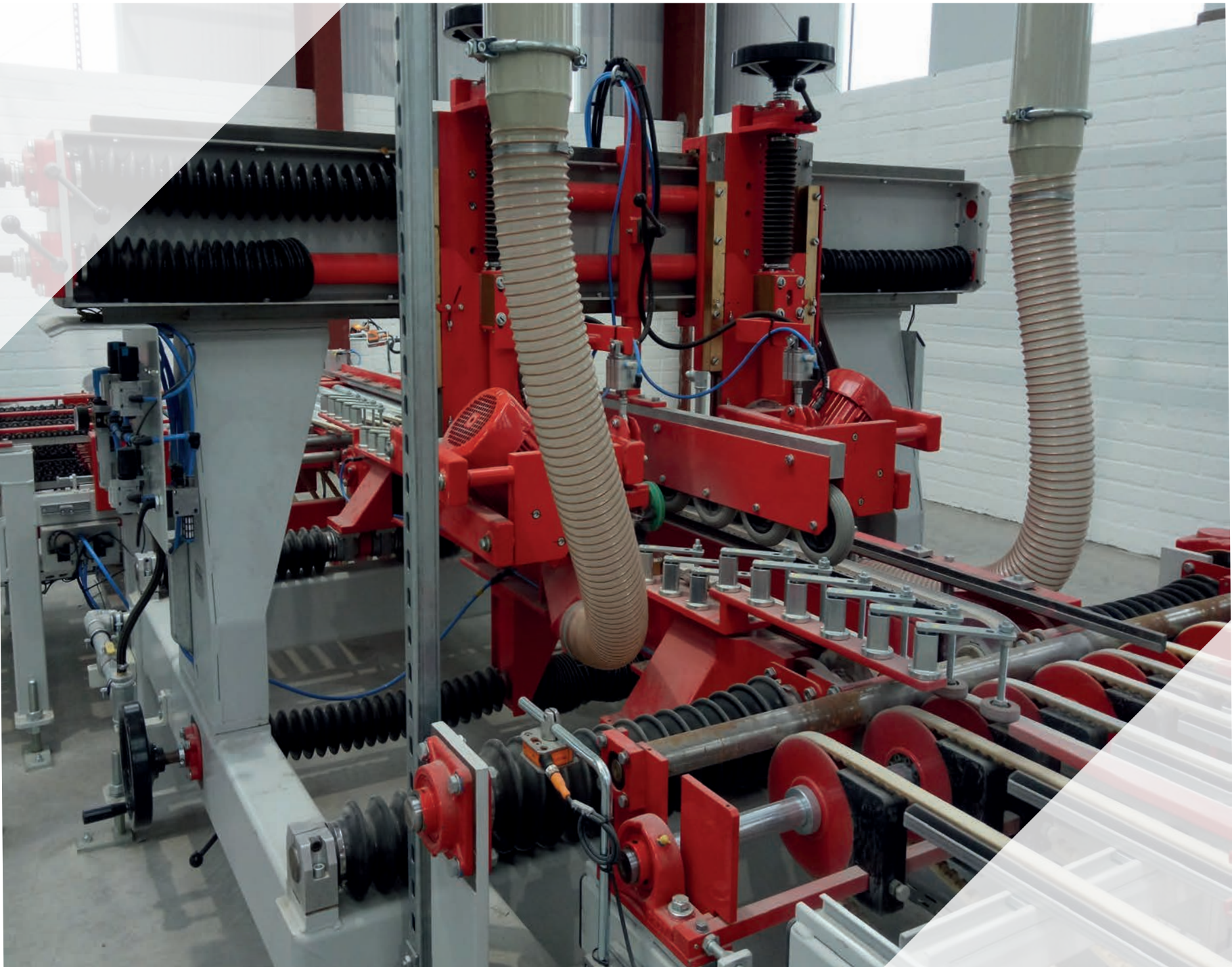
Max. working width up to max. 1,200 mm and product height up to max. 400 mm. Smallest format to be processed 200 x 200 mm.

Chamfering machine works in dry or wet mode.

Available with lifting turn-table or with angular transfer.

Customer benefits

- Consistently constant chamfer even with different product thicknesses due to pressure rollers
- Ideal laying and edge protection of products by partial milling off of spacers
- Cost and space saving in dry treatment due to elimination of grinding water recycling (no water treatment) and special waste disposal
- Cost saving in dry treatment due to reusing the dust (depending on the dust extraction used) as filler in the concrete mixture



Technical specifications *

Belt speed: 2.3–23 m/min.

* depending on product characteristics and required final result



BILATERAL MILLING

Of wall- and chimney stones. Bilateral milling and calibrating for mortar-free processing of wall- and chimney stones running one after the other. At the infeed of the machine, adjustable, synchro-nously running lateral guidances installed. Product clamping from above by means of special, height adjustable pressure rollers.

Basic equipment with a milling support each right and left, in moveable execu-tion for adaption to individual product width. Additional milling and chamfering supports can be installed subsequently.

Treatment in dry mode.

Available with cartridge filter or sinter-lamella filter.

Customer benefits

- High-quality, reproducible products due to high-grade, zero-backlash linear units for positioning the milling supports
- Cost and space saving due to elimina-tion of grinding water recycling (no water treatment) and special waste disposal
- Cost saving with reusing the dust (depending on the dust extraction used) as filler in the concrete mixture



Technical specifications *

Average processing speed
for concrete: approx. 2–4 lin. m/min.
for lightweight concrete: approx. 2–12 lin. m/min.

* depending on product characteristics and required final result

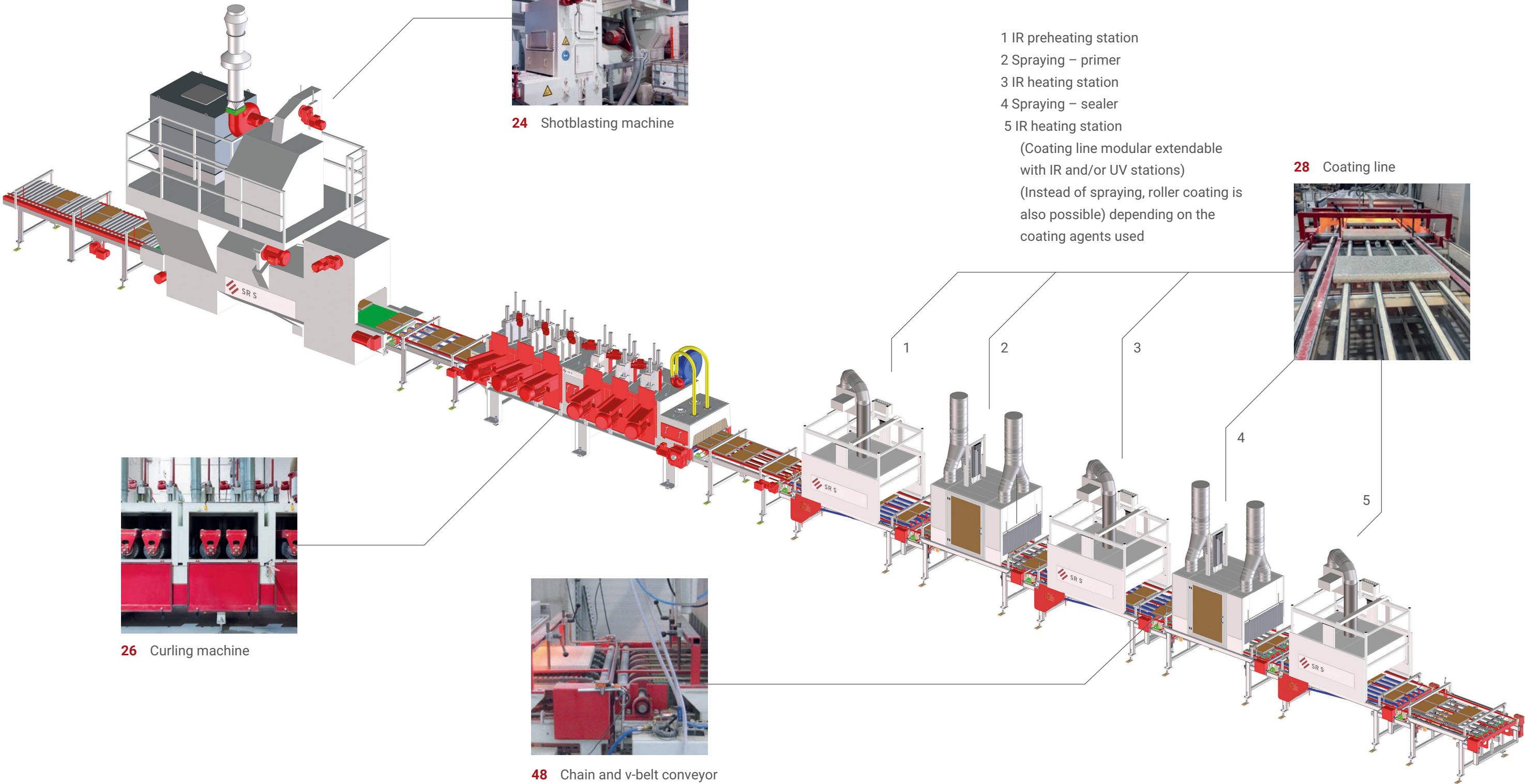


SHOTBLASTING – CURLING – COATING

SLABS



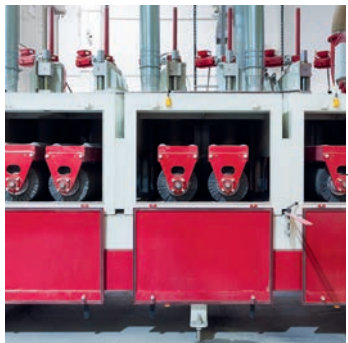
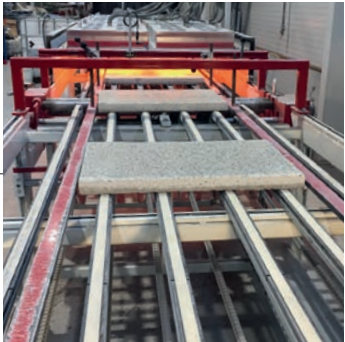
24 Shotblasting machine



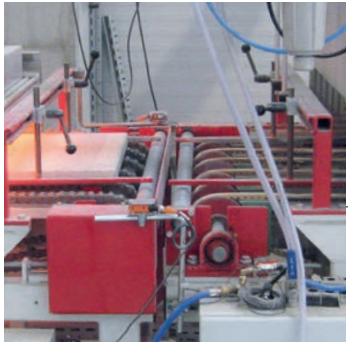
- 1 IR preheating station
- 2 Spraying – primer
- 3 IR heating station
- 4 Spraying – sealer
- 5 IR heating station

(Coating line modular extendable with IR and/or UV stations)
(Instead of spraying, roller coating is also possible) depending on the coating agents used

28 Coating line



26 Curling machine



48 Chain and v-belt conveyor

SHOTBLASTING – CURLING – COATING

PAVERS

24 Shotblasting machine



28 Coating line



- 1 IR preheating station
 - 2 Spraying – primer
 - 3 IR heating station
 - 4 Spraying – sealer
 - 5 IR heating station
- (Coating line modular extendable with IR and/or UV stations)
(Instead of spraying, roller coating is also possible) depending on the coating agents used

48 Layer pusher (1–3)



26 Curling machine



48 Special conveyor for layer-wise transport (self-cleaning)



SHOTBLASTING

Of pavers, slabs, curbstones, block steps – optionally face and/or side surfaces. During processing, cement is removed and the aggregates are exposed. Shot-blasting machines use steel or stainless steel balls as abrasives. In operation, the steel or stainless steel balls, standard size 0.6–0.8 mm, get thrown by means of 2–4 turbines at the products to be shot-blasted. Depending on infeed and outfeed situation, processing is done cyclewise or in a flow. Blasting speed and belt speed are adjustable in relation to the product to be treated and the desired surface appearance. Turbine and belt drive are frequency-controlled for a homogeneous treatment from rough to fine. The quantity of abrasive is electro-pneumatically adjustable.

The perforated belt, ribbed transversely to the running direction, ensures a proper transport of the layers without drifting of single stones and refeed of abrasive material to the material silo. Abrasive material which stays on the shotblasted products is removed by a height-adjustable high pressure blowing device or a magnetic strip and fed back to the material silo.

Blasting chamber and turbine housing made of manganese steel. Available working widths 850 and 1,200 mm. A cartridge filter unit is installed as standard on the shotblasting machine. The machines are equipped with an independent electro-pneumatic control and operation panel.

Available as stand-alone machine, integrated in value adding lines or as a bypass of the stone making machine. Shot-blasting can be combined with all surface value adding processes.

Customer benefits

- Sustainability and fast amortization due to modular expansion stages
- Easy integration into existing systems due to flexible design and control
- Durable machine due to stable and high-quality construction
- Long service life and cost saving by using hardened tool steel for the wear parts of the turbines
- Easy training of the operating personnel due to simple operation
- Space saving due to integrated filter system



Technical specifications *

Belt speed:	2.5–11 m/min.
Average processing speed:	approx. 5 m/min.

* depending on product characteristics and required final result



CURLING

Of pavers and slabs by means of rotating brushes. Paver layers and/or slabs are transported in endless row on a belt conveyor through the machine consisting of 2 tunnels. Each tunnel is equipped with 2 or 3 segments with 2 brushes each. Brushes have different brush strengths and are arranged in the machine from rough to fine. Brushes are arranged in inclined execution. Brushes 1, 3, 5 rotate in the opposite direction to brushes 2, 4, 6. This counter rotation and the mirror-inverted inclination avoid brush marks on the product surface.

Curling is particularly well suited for textured products but gives also slight shine and a tangibly smooth and silky surface to roughly ground and/or shot-blasted products. By removal of surplus cement, the aggregates are carved out and polished. This makes the product surfaces dirt- and moisture-repellent and non-slip.

Treatment in dry mode. Deliverable with cartridge or sinter-lamella filter. Available working widths 850 and 1,200 mm. Curling incl. intensive cleaning is essential for the following coating process.

The brushes are divided in segments which can be individually replaced upon wear.

Frequency-controlled main drives and vertical movement. With contact pressure control. The machines are equipped with an independent control and operation panel with visualization. All processing parameters can be saved for every individual product type.

Available as offline machine, integrated in value adding lines or as a bypass of the stone making machine. Can be combined with rough grinding, shotblasting, aging, impregnation and coating.

Customer benefits

- Cost saving due to individual replacement of worn brush segments
- Durable machine due to stable and high-quality construction
- Time saving and ease of use due to fully-automated contact pressure control
- Easy training of the operating personnel due to simple operation
- Cost and space saving due to elimination of water recycling (no water treatment) and special waste disposal
- Cost saving due to reusing the dust (depending on the dust extraction used) as filler in the concrete mixture



Technical specifications *

Belt speed:

1–10 m/min.

Average processing speed:

approx. 3–4 lin. m/min.

* depending on product characteristics and required final result



COATING

Of pavers (layer-wise impregnation or coating) respectively slabs (row-wise impregnation or coating), for optimal protection. Variants available from pure laying protection to long lasting coating. The diverse coating processes upgrade the products optically, protect them from environmental impacts and make cleaning easier.

In standard execution provided with infrared preheating station, spraying device for primer, infrared heating station, spraying device for sealing agent and infrared heating station. Optionally, additional IR and/or UV stations can be integrated. Suitable for all current impregnation and sealing agents and for 1- and 2-component coating. Application by spraying, rolling with or without UV-curing. Infrared, paternoster or storage rack drying depending on chemical and spatial requirements.

Motorized adjustment of the height of all heating and spraying stations, spraying nozzles operate with low pressure system, thus low atomized spray. Quantity to be sprayed adjustable, spraying nozzles horizontally adjustable for ideal

application of sealing agents. Automatic cleaning of nozzles upon long standstill avoids jamming. Spray heads are cleaned with water by means of diaphragm valve, outer and inner nozzles separately switchable. Every spraying station has its own electric control and touch panel. Adjustable max. spraying time, power-on and power-off delay. After sealing, the products can be packed immediately.

Fully automatic lines integrated in the value adding process. Spraying stations can also be used for impregnation of pavers and slabs on the wet side.

Customer benefits

- Cost and time saving due to layer-wise processing of pavers via self-cleaning special conveyor
- Flexibility due to modularity;
Can be used with all common impregnation and coating chemicals

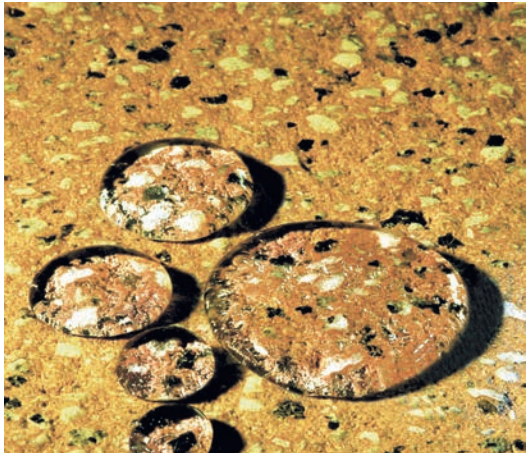


Technical specifications *

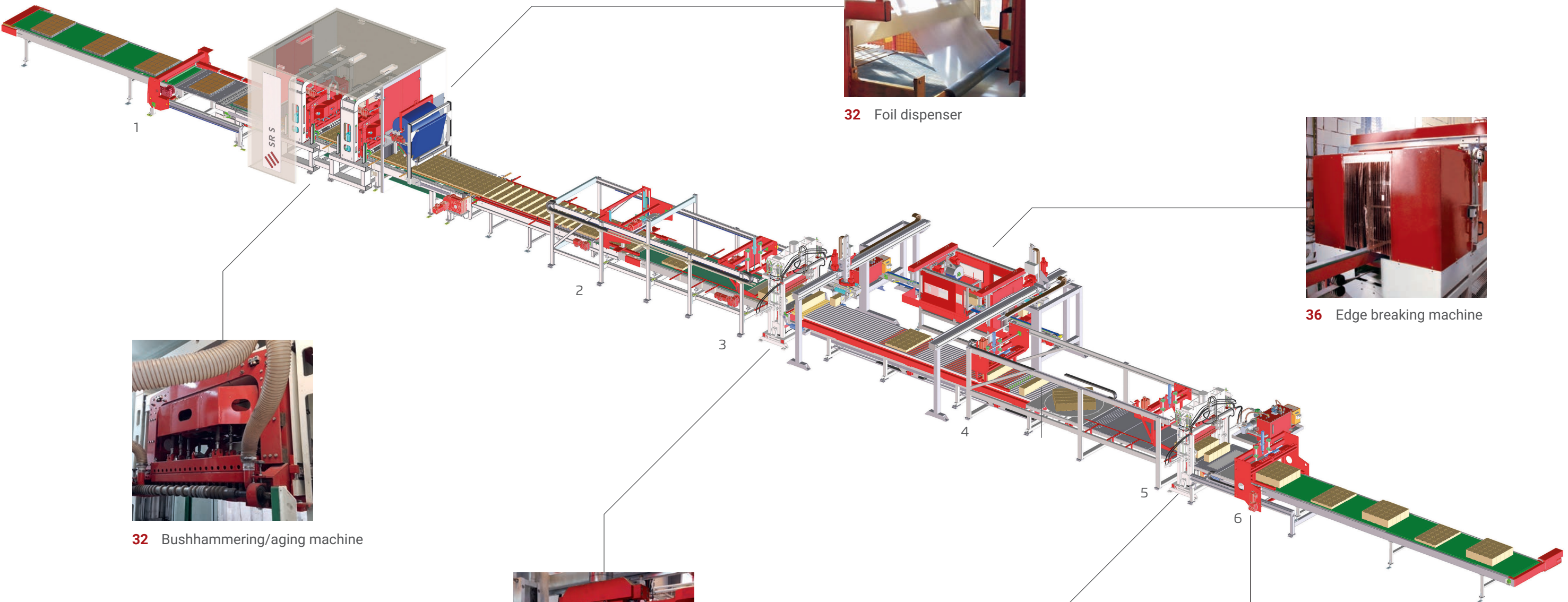
Belt speed: 1–10 m/min.

Average processing speed: approx. 4–5 lin. m/min.

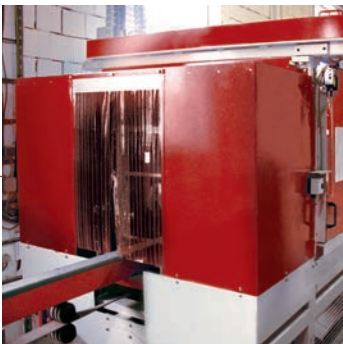
* depending on product characteristics and required final result



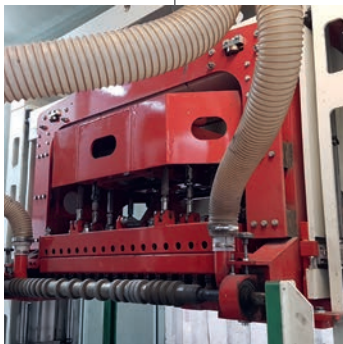
**BUSHHAMMERING AND AGING
SPLITTING
EDGE BREAKING
PAVERS, BLOCK STONES, PALISADES**



32 Foil dispenser



36 Edge breaking machine



32 Bushhammering/aging machine



34 Splitting machines



48 Layer pusher (1-6)

BUSHHAMMERING AND AGING

Of pavers, wall stones, block steps, palisades and wall covers.

Machine equipped with 1–3 processing supports with 6 bars each with hammers and oscillation. Either bushhammers or aging hammers can be installed. Conveying belt in strengthened execution with anvils in the treatment areas. Foil dispenser can be integrated.

By using different hammer types and treatment with or without foil, 4 different product types can be produced.

- PureAntik
- AntikProtect
- Bushhammered stones
- Bushhammered/aged stones

Due to layer-wise treatment of the face sides, sorting of products after treatment not necessary.

Optionally available with cartridge or sinter-lamella filter.

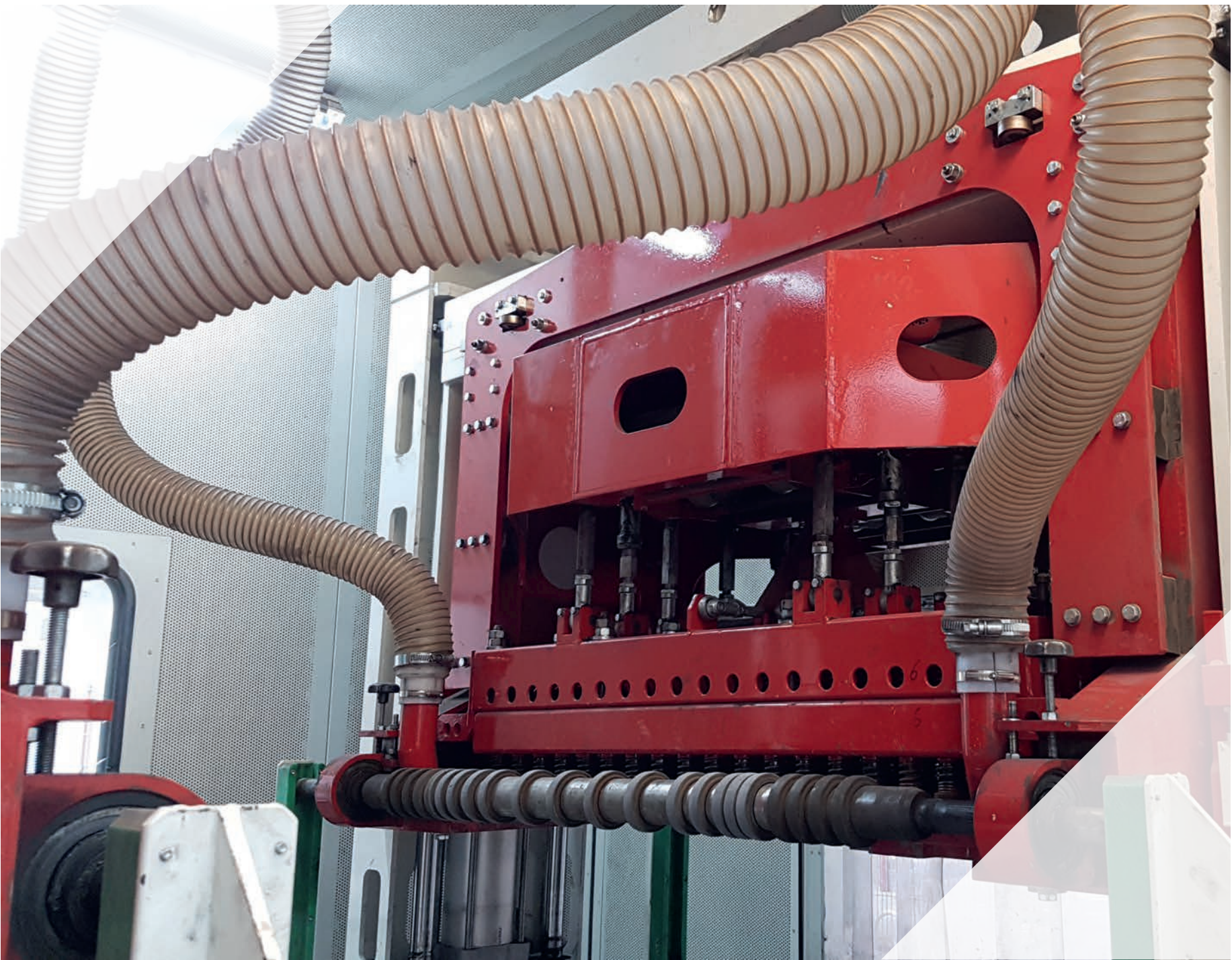
Optionally available with sound insulation.

Belt speed, processing frequency and oscillation are adjustable.

Available as stand-alone machine, integrated in a value adding line or as a bypass to the stone making machine.

Customer benefits

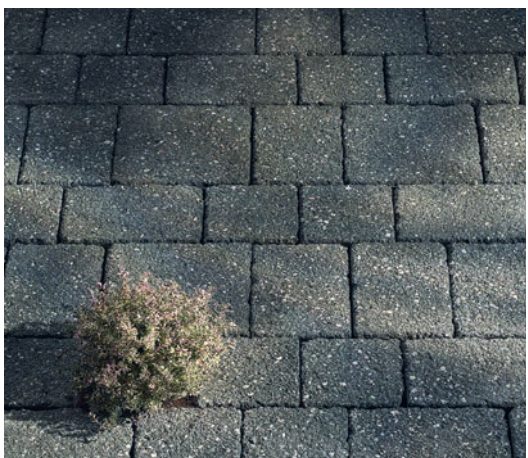
- Cost and time saving; Layer patterns remain untouched, no sorting required
- Durable machine due to stable and high-quality construction
- Cost and time saving due to simple tool exchange with supplied tool exchange carriage
- Cost saving due to possible retreading of worn tools
- Cost saving due to reusing the dust (depending on the dust extraction used) as filler in the concrete mixture



Technical specifications *

Belt speed: 0.8–8 m/min
Average processing speed: approx. 2–6 lin. m/min.
(depending on number of supports)

* depending on product characteristics and required final result



SPLITTING

Of block stones, wall stones, hollow block stones, palisades and block steps.

Equipped with high-capacity hydraulics with pressure accumulator for fast cycles, controlled splitting patterns and a maximum splitting pressure of 120 t. Equipped with upper, lower and lateral knives. Upper cutter bar moveable for compensation of height differences and for hydraulic height adjustment of upper cutter bar.

Splitting line available with one or two splitting machines with 90° rotating table for longitudinal and traverse split. Precise product positioning under the splitting knife by means of electromotor with encoder for accurate splitting and less waste. Feeding technology with automatic waste flap.

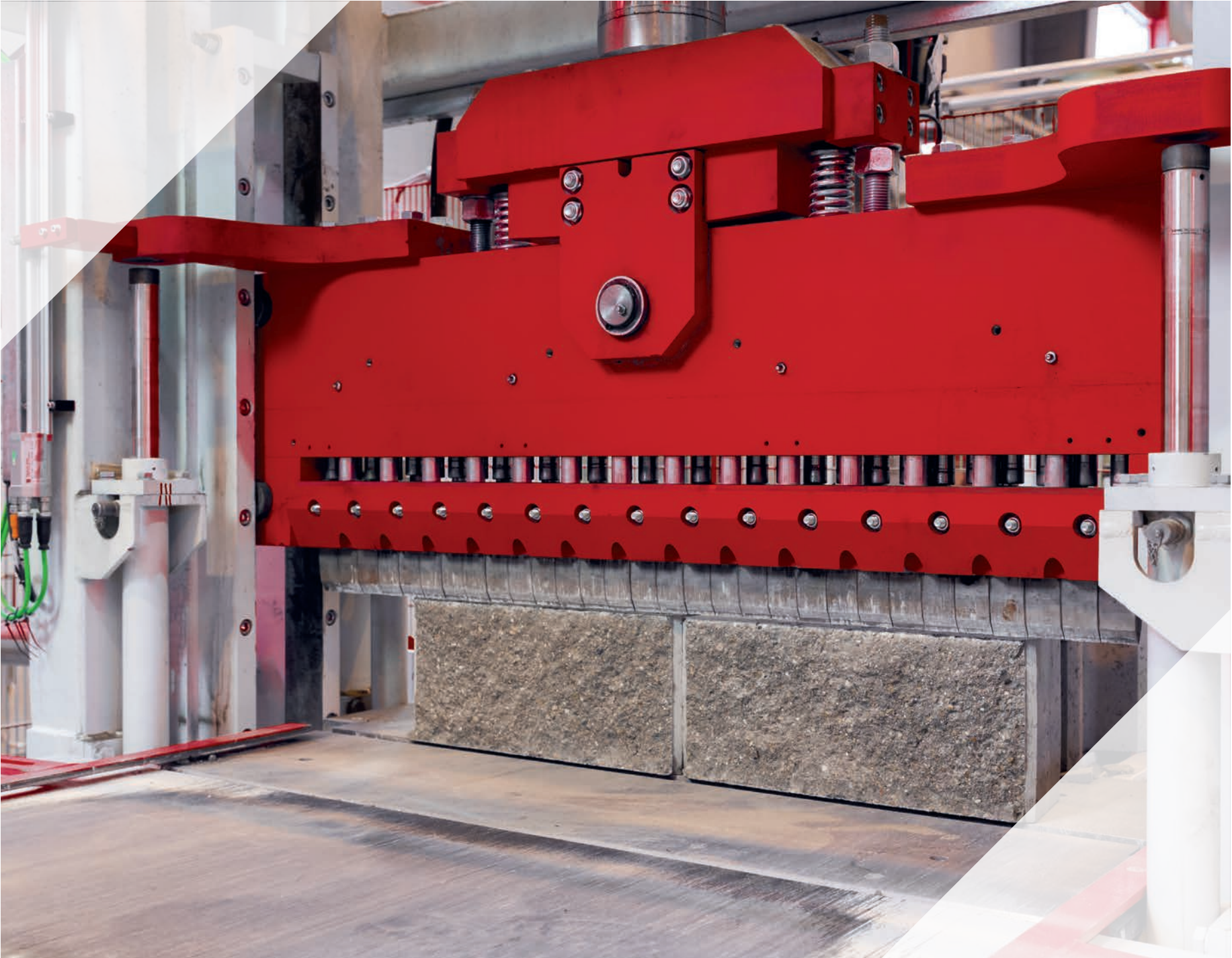
Rearrangement, respectively format-ting of split products that layers can be packed.

Optionally executed for Y-split or special split.

Can be combined with edge treatment machine for random chipping of edges and with bushhammering/aging machine.

Customer benefits

- Durable machine due to stable and high-quality construction
- Low reject rate due to very high splitting accuracy (clean break edges, exact positioning)



Technical specifications *

Splitting cycle with product transport included: approx. 8 sec.

* depending on product characteristics and required final result and also on product size and splittings to be carried out



EDGE BREAKING

Of block stones, wall stones, hollow block stones, palisades and block steps.

After splitting, the edges at the top, bottom and sides are sharp. In order to give the product a more natural appearance (similar to crushed natural stone), the edges are processed by means of rotating chains on the longitudinal edges at the top and bottom in a continuous process. Vertical processing with a second station in standstill mode.

Even or random edge breaking is possible. No contamination of product surface during treatment. Executed in modular design for treatment of 4/8/12 edges.

With cartridge filter or sinter-lamella filter. Available as offline solution or integrated in splitting lines.

Customer benefits

- Extension of the product portfolio from the splitting process
- No post-cleaning of the stones due to rotating tools



Technical specifications *

Belt speed: 4–20 m/min.

* depending on product characteristics and required final result



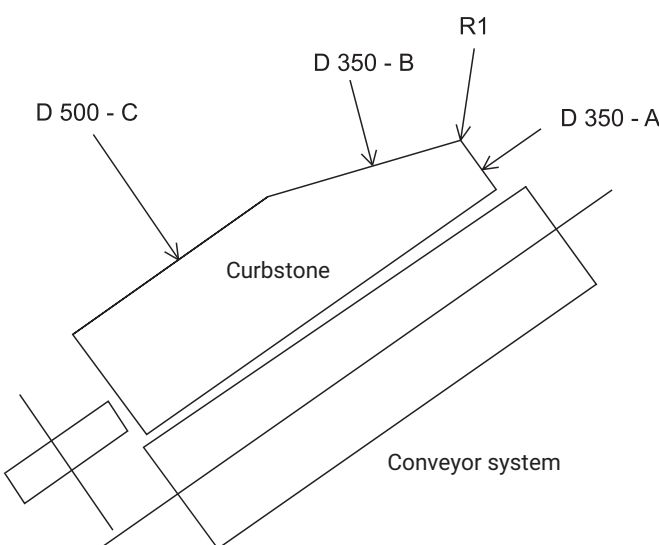
SPECIAL AND LABORATORY MACHINES

Grinding machine for curbstones

For continuous processing of curbstones in wet operation.

Features

- Infeed and outfeed roller conveyor with inclined bed design
- Conveyor with inclined bed design
- Basic frame
- 2 bridges each with up to 3 supports respectively for milling and grinding the surface A, the inclined surface B and the surface C, 1 bridge with 4 supports for bullnose milling and grinding the radius R1.
- Media supply and tools
- Electric control



Multicut saw

For production of baseboards, sample products, strips, cubes made of concrete and terrazzo slabs. With freely selectable sawing programs.

Features

- For cutting of concrete and terrazzo slabs in strips, baseboards and cubes
- Width of baseboards, cube dimensions and thickness adjustable
- Optionally executed with dual-speed motor
- Optionally, a chamfering support can be mounted
- Cutting programs freely selectable
- Wet mode
- Electric control



SPECIAL AND LABORATORY MACHINES

Stone calibrating machine

For laboratories. Test products are calibrated before breaking and flexural strength tests are carried out.

Features

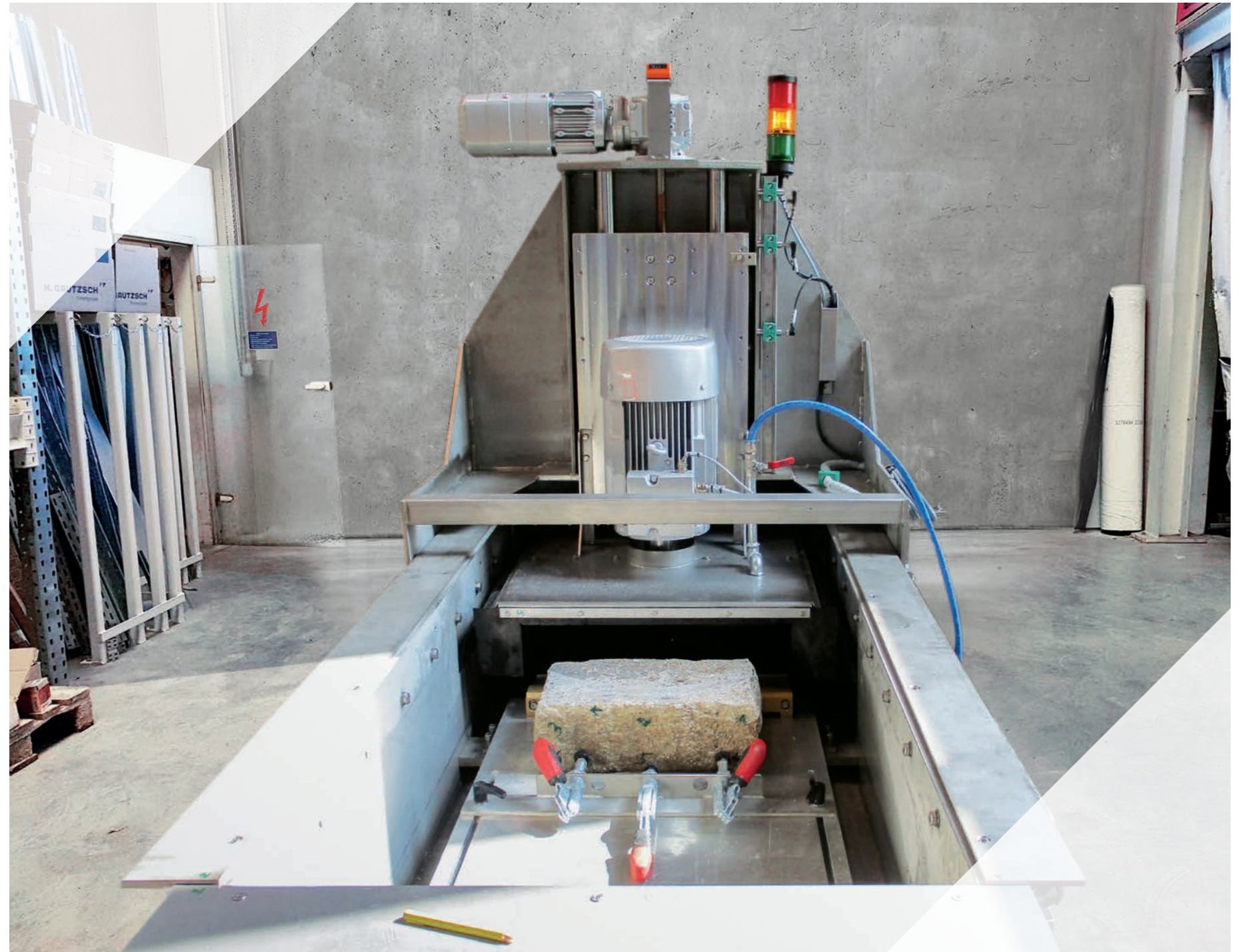
- For use in laboratories
- For concrete stone max. 500 x 650 x 320 mm and drilling cores Ø 160 mm, 430 mm high
- With 2 positioning levels for different stone heights
- Milling support with combined hand-wheel/electromotive adjustment
- Support drive frequency controlled
- Wet mode
- Electric control

Laboratory press

For production of sample pavers and slabs, for the simulation of manufacturing processes and for the development of suitable recipes.

Features

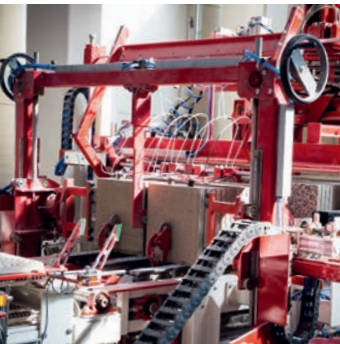
- For production of sample pavers and slabs
- Simulation of all current vibration and press procedures
- Developed recipes can be transferred to production lines
- Executed with mould and press station, hydraulic unit and vibrator below the mould
- Pressing power adjustable for pre- and main pressing
- Electric control



PACKING

VERTICAL – SLABS

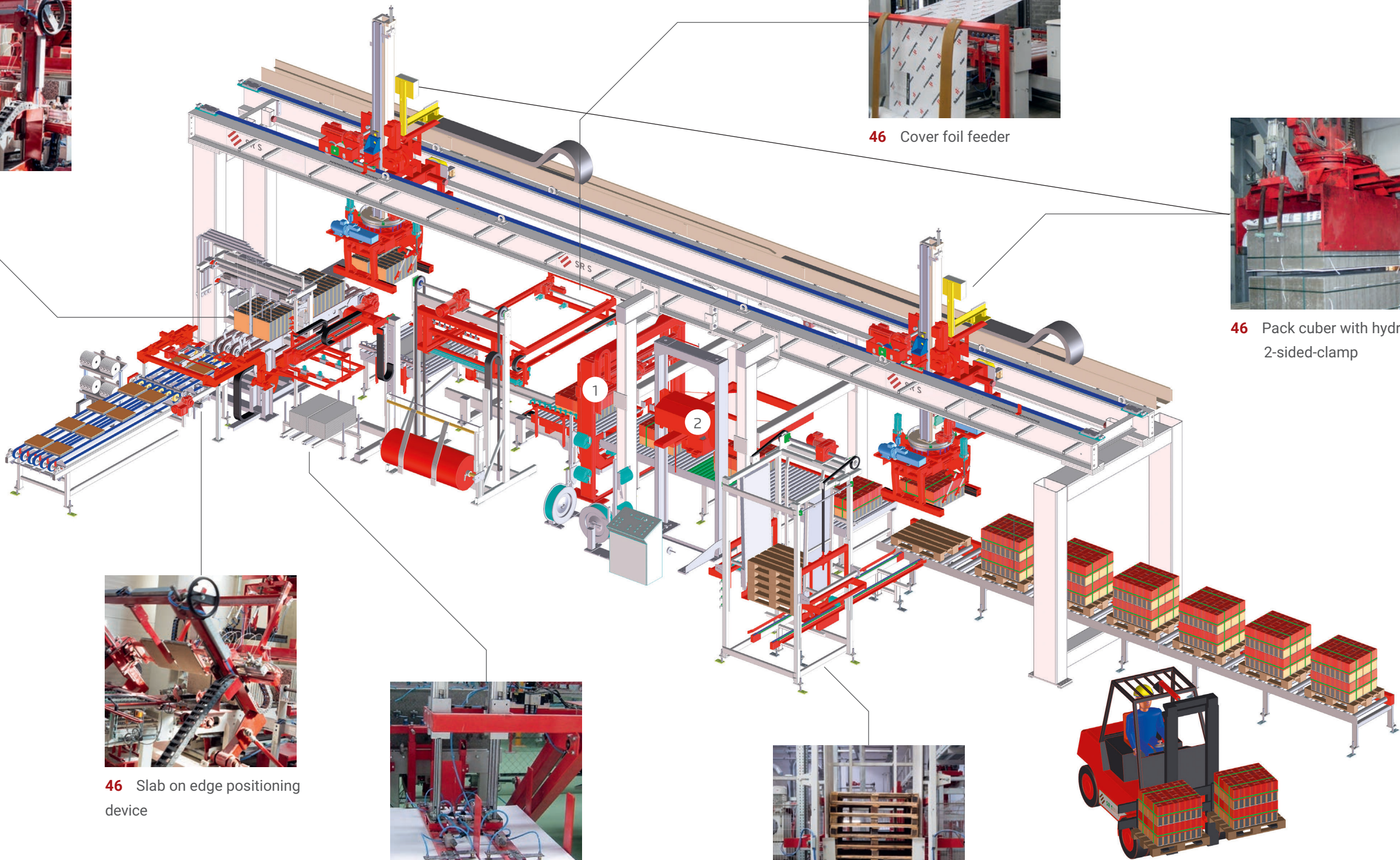
46 Vertical packing



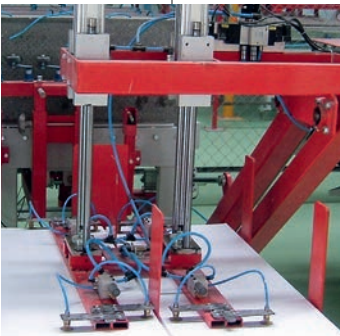
46 Cover foil feeder



46 Pack cuber with hydraulic 2-sided-clamp



46 Slab on edge positioning device



46 Styrofoam dispenser



48 Empty pallet magazine

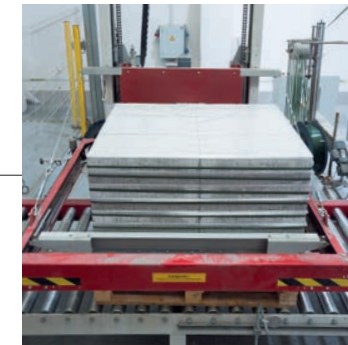
1 Vertical strapping
2 Horizontal strapping

PACKING

FLAT – PAVERS AND SLABS



46 Intermediate layer dispenser with cover foil feeder



46 Horizontal strapping



46 Vertical strapping



48 Cuber with electrical 4-sided-clamp and optionally with vacuum suction plate for thin slabs

PACKING

In addition to the production and value adding lines, SR S also offers handling technology and packing systems for pavers and slabs. Each plant configuration can be tailored to the special needs of the customer.

From the flat packing of the smallest formats and large-format slabs to the vertical packing. With or without transport pallets, edge protection or strapping.

Everything out of one hand: We design and deliver your future solutions.

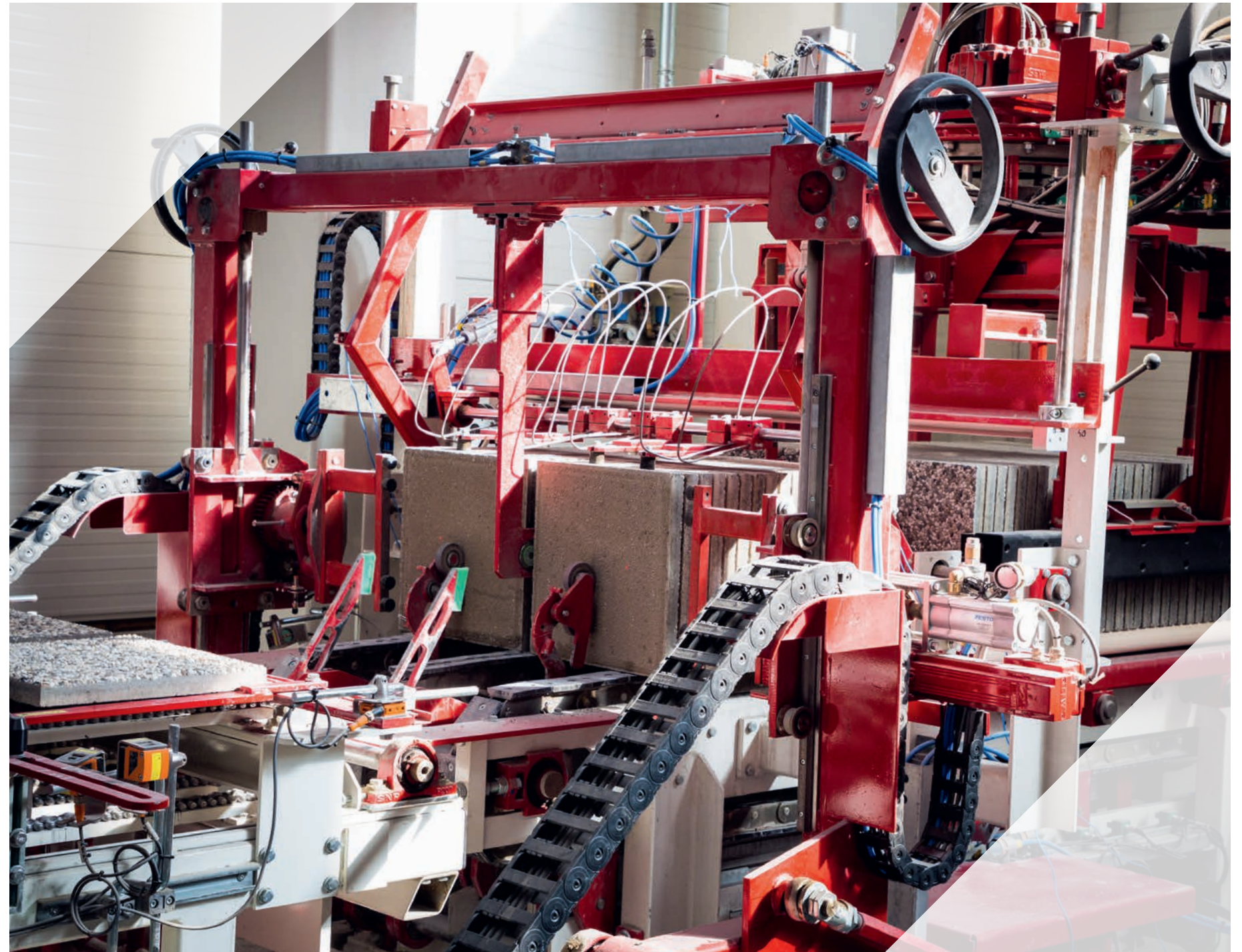
Machines

- Vertical packing for single and double formats
- Flat packing for paver layers or large-format slabs
- Horizontal and vertical cord feeders for slab and pack protection
- Horizontal and vertical strapping devices
- Net, sheet or styrofoam dispenser
- Enclosed label dispenser

- Pack labeling
- Feeder for cover sheet
- Stretching, shrinking, wrapping devices
- Pack transfer and stacking devices

Customer benefits

- Cost saving through high degree of automation and low personnel costs
- Greater profit margin through higher productivity and increased efficiency
- Complete solutions from a single source; No interface problem due to different suppliers



HANDLING

In order to be able to design the production and value adding process of concrete products efficiently and economically, not only innovative production and value adding lines but also efficient transport and handling systems are required. We offer a comprehensive program of efficient and proven solutions.

Fully automated handling systems, which are optimally adapted to customer needs, are becoming increasingly important for the productivity.

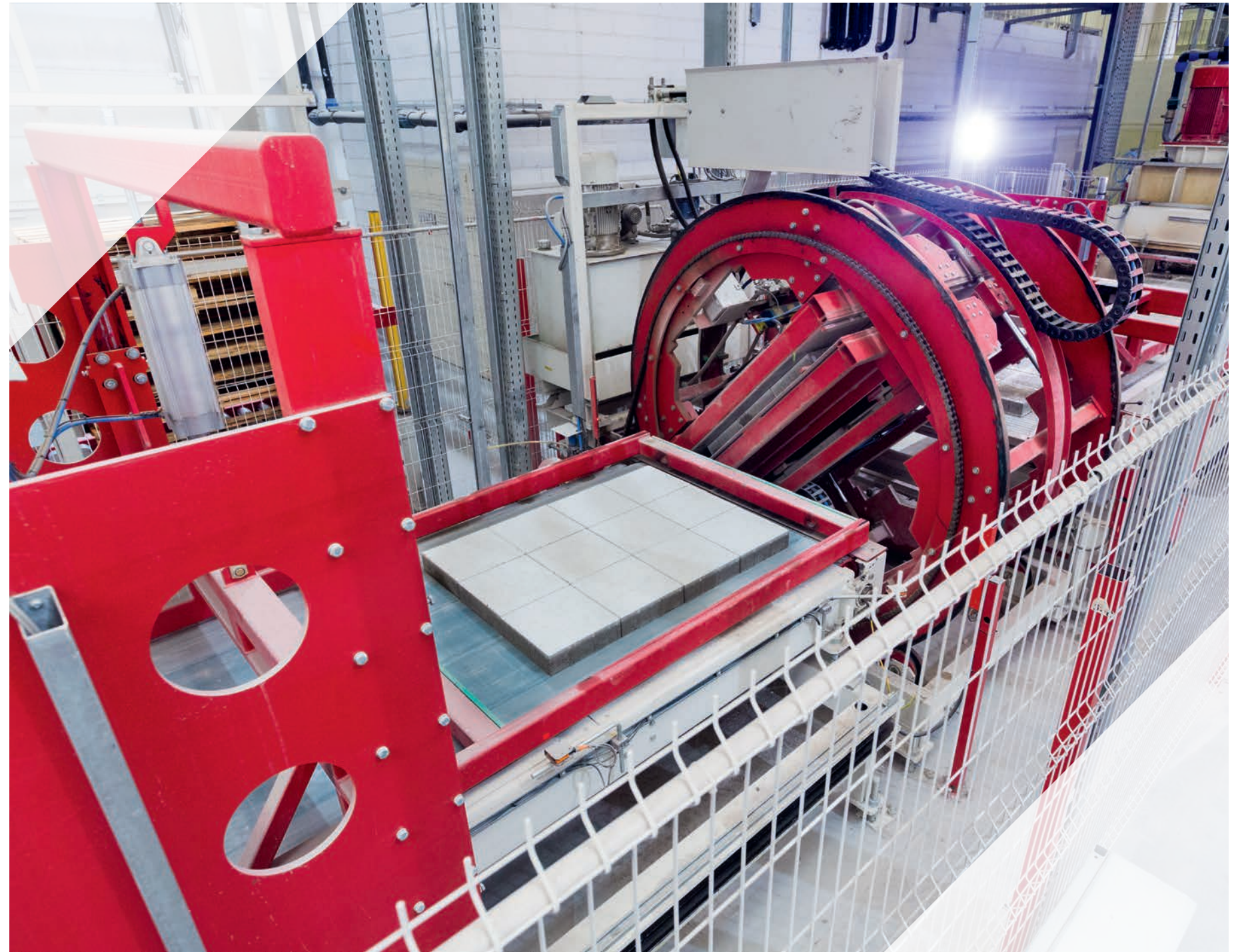
Machines

- Roller conveyors
- V-belt conveyors
- Accumulation chain conveyors
- Belt conveyors
- Special conveyors
- Layer and package pushers
- Cubers
- Drum turning devices

- Star-shaped turning devices
- Angular transfer devices
- Curved roller conveyors
- Empty pallet magazine
- Robots
- Second and third quality sorting
- Heavy duty roller, chain and lamella conveyors

Customer benefits

- Cost saving through high degree of automation and low personnel costs
- Greater profit margin through higher productivity and increased efficiency
- Complete solutions from a single source; No interface problem by different suppliers



CONTROL TECHNOLOGY

Control and visualization - everything under control

The highly flexible control technology by SR S enables you to increase the efficiency of your production plant. With the SR S control systems, the focus is on simplified operation, reduction of operation costs and increase in quality.

Control

- Siemens Simatic-S7 1500
- Modular system for plant engineering, i.e. separation of the entire system and processing machines into individual controllers and decentralized I/O interfaces, for maximum flexibility and scalability, as well as efficient procedures at commissioning

Communication

- The entire system is consistently inter-linked via Profinet, from the CPUs & HMI devices to decentralized input/output modules, converters, sensors and actuators
- IWLAN for mobile HMI devices. Wireless operating devices enable local adjustments and operator actions
- Profinet/Profisafe for safety-related communication and connection of safety technology
- Ensuring of remote maintenance at all levels via consistently interlinked plant components
- Complete integration of robot controls and third-party manufacturers in the overall plant control

Visualization/Operation and monitoring systems

- SIMATIC panel PC as touch screen and wireless operating devices
- Central recipe administration
- Operation and monitoring via plant-specific 3D visualization
- Continuous production data acquisition

Motors, servo drives and frequency converters

- Free adaptation of the plant parameters to different products, thus no adjustment of sensors, but only loading of parameters necessary
- Servo drives and frequency converters from SEW

Safety technology

- High level Siemens S7 F-CPU for safety programming
- Decentralized fail-safe input/output modules via Profisafe
- Overall visualization of safety technology for fast error detection and overview



Customer benefits

- Cost saving due to high degree of automation and low personnel costs
- Greater profit margin due to higher productivity and increased efficiency
- Cost saving by reducing the error rate
- High plant availability due to minimized set-up times using servo drives and due to easy operation using system-specific and clear 3D visualization
- High adaptability, e.g. for the production of new product formats, due to in-house electrical development and software programming
- Guaranteed future security due to the latest control and bus systems

TECHNICAL DATA

Calibrating

Product thickness: 30–400 mm Working width: 850 mm/1,200 mm

Model	850	1200
1 station		
Length x width x height	3.9 x 2.2 x 3.3 m	5.4 x 2.8 x 3.6 m
Total connected load	55 kW	60 kW
Water consumption wet operation	8 m³/h	10 m³/h
Air consumption dry operation	6,000 m³/h	8,000 m³/h
2 stations		
Length x width x height	5 x 2.2 x 3.3 m	6.8 x 2.8 x 3.6 m
Total connected load	110 kW	120 kW
Water consumption wet operation	16 m³/h	20 m³/h
Air consumption dry operation	12,000 m³/h	16,000 m³/h
3 stations		
Length x width x height	6.1 x 1.9 x 3.3 m	8.3 x 2.8 x 3.5 m
Total connected load	150 kW	150 kW
Water consumption wet operation	24 m³/h	30 m³/h
Air consumption dry operation	18,000 m³/h	24,000 m³/h

Recycling water
For belt cleaning, an additional 2 x 4 m³/h of recycled water is required.

Grinding

Product thickness: 30–400 mm Working width: 850 mm/1,200 mm

Model	850	1200
4 stations		
Lenght x width x height	9,6 x 2,2 x 3,3 m	11 x 2,8 x 3,6 m
Total connected load	210 kW	230 kW
Water consumption wet operation	24 m³/h	40 m³/h
Air consumption dry operation	24,000 m³/h	32,000 m³/h
6 stations		
Lenght x width x height	10,5 x 2,2 x 3,3 m	14 x 2,8 x 3,6 m
Total connected load	320 kW	350 kW
Water consumption wet operation	48 m³/h	60 m³/h
Air consumption dry operation	36,000 m³/h	48,000 m³/h
8 stations		
Lenght x width x height	12 x 2,2 x 3,3 m	17 x 2,8 x 3,6 m
Total connected load	425 kW	465 kW
Water consumption wet operation	64 m³/h	80 m³/h
Air consumption dry operation	48,000 m³/h	64,000 m³/h

Recycling water, the last 2 stations fresh water
For belt cleaning, an additional 2 x 4 m³/h of recycled water is required.

Performance data depending on product characteristics and required final result

TECHNICAL DATA

Shotblasting

Product thickness: 30–500 mm Working width: 850 mm/1,200 mm

Model	850	1200
Conveyor height	980 mm	980 mm
Abrasive consumption	240 kg/min. per turbine	350 kg/min. per turbine
Electric power	49 kW	74 kW
Compressed air for filter and control	22 m³/h on 5–7 bar	36 m³/h on 5–7 bar
Noise level	< 90 db(A)	< 90 db(A)
Filter capacity/power	approx. 5,000 m³/h / 15 kW	approx. 9,600 m³/h / 30 kW

Curling

Product thickness: 30–350 mm Working width: 850 mm/1,200 mm

Model	850	1200
Length	approx. 7,500 mm	approx. 11,000 mm
Width	approx. 2,500 mm	approx. 2,800 mm
Height	approx. 3,000 mm	approx. 3,200 mm
Connected load	Conveyor drive: 2.2 kW	Conveyor drive: 4 kW
Height adjustment	6 x 1.1 kW	6 x 1.1 kW
Drive for brushes	6 x 15 kW	6 x 22 kW
Blower	1 x 2.2 kW	1 x 2.2 kW
Filter		
Filter area	53 m²	95 m²
Exhaust air	7,200 m³/h	10,200 m³/h

Splitting

Product thickness: 50–400 mm Working width: 800 mm/1,200 mm

Model	800	1200
Splitting width	800 mm	1,200 mm
Passage width	900 mm	1,350 mm
Splitting height	400 mm	400 mm
Passage height	410 mm	410 mm
Splitting pressure	80 t	120 t
Weight	2.8 t	4.0 t
Connected load	approx. 12 kW	approx. 13 kW

Bushhammering and aging

Product thickness: 50–350 mm Working width: 1,050 mm/1,200 mm

Model	1050	1200
1 aggregate		
Length	approx. 5,500 mm	approx. 5,500 mm
Width (incl. noise protection chamber)	approx. 2,400 mm (3,000 mm)	approx. 2,600 mm (3,200 mm)
Height (incl. noise protection chamber)	approx. 2,600 mm (3,000 mm)	approx. 3,100 mm (3,300 mm)
Connected load	Conveyor drive	2.2 kW
	Oscillating	1 x 1.1 kW
	Bushhammering	1 x 7.5 kW
Filter area	60 m²	60 m²
Filter exhaust air	3,000 m³/h	3,500 m³/h
Aging or bushhammers	max. 87	max. 105
2 aggregates		
Length	approx. 7,400 mm	approx. 7,400 mm
Width (incl. noise protection chamber)	approx. 2,400 mm (3,000 mm)	approx. 2,600 mm (3,200 mm)
Height (incl. noise protection chamber)	approx. 2,600 mm (3,000 mm)	approx. 3,100 mm (3,300 mm)
Connected load	Conveyor drive	3 kW
	Oscillating	2 x 1.1 kW
	Bushhammering	2 x 7.5 kW
Filter area	120 m²	160 m²
Filter exhaust air	6,000 m³/h	7,000 m³/h
Aging or bushhammers	max. 174	max. 210
3 aggregates		
Length	approx. 9,600 mm	approx. 9,600 mm
Width (incl. noise protection chamber)	approx. 2,400 mm (3,000 mm)	approx. 2,600 mm (3,200 mm)
Height (incl. noise protection chamber)	approx. 2,600 mm (3,000 mm)	approx. 3,100 mm (3,300 mm)
Connected load	Conveyor drive	4 kW
	Oscillating	3 x 1.1 kW
	Bushhammering	3 x 7.5 kW
Filter area	160 m²	200 m²
Filter exhaust air	9,000 m³/h	10,500 m³/h
Aging or bushhammers	max. 261	max. 315

Performance data depending on product characteristics and required final result

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