

MOERSCHEN

UNTERNEHMENSGRUPPE



SCHMIDT

H.Aug. Schmidt Transportanlagen GmbH Würzen



CONVEYING



FEEDING



STACKING



METERING



The group in numbers:

- 155 employees
- 8 trainees
- 5000 m² workshop space
- 750 m² office space and break rooms
- 35 service vehicles
- 30 hire systems for mobile applications
- Approx. EUR 45,000,000 annual turnover





TRADITION SINCE 1837

The long-standing company was founded by Johann Heinrich Schmidt. On 12 December 1837, the master plumber courageously and confidently opened his own workshop at Färbergasse 9.

The founder's second son, Heinrich August Schmidt, bought the company on 1 April 1874 after he had himself obtained the title of master plumber. He continued to run the business in the form of "H. Aug. Schmidt, Klempner & Eisenwarengeschäft".

By 1879, the company was already exhibiting at national trade fairs. The plumber's workshop soon became a factory. In 1889, the company was employing 18 workers, so the company had long outgrown its humble beginnings in this regard as well. Schmidt bought an industrial plot between the railway station and Nemterstraße and built a two-storey main building with two adjoining wings. They moved in in 1890.

In 1910, H. Schmidt received the title of "großherzoglich Sächsischen Kommerzienrat", a Grand Ducal Councillor of Commerce of Saxony. The company celebrated its 75th anniversary in 1912 with a workforce that had since grown to 200 employees.

As Schmidt was becoming increasingly hindered in his work due to diabetes, he decided to sell the company in 1914. He found a distant relative to take it on, the engineer Paul Schulz. In Wurzen, Paul Schulz initially became co-owner of the company, which was operating as a limited partnership. He was sole owner from 1916.

In May 1934, Paul Schulz's widow Hertha Schulz granted commercial power over the company to their eldest son, Paul Schulz Junior, and businessman Erich Hofmann.



From September 1945 to the beginning of 1946, the factory was stripped down to three machines by the Russian occupation forces. However, it was still possible to restart production. On 1 January 1959, the state became involved in the company. The company was expropriated by the state on 1 May 1972 and became VEB Baggerbau.

Paul Schulz Junior had already left the company at the time of his death on 9 April 1974. Ernst Schulz resigned from his role of factory director after reaching retirement age in 1977. In the scope of the merging of small publicly owned enterprises (VEBs) in the same industry within the Leipzig economic board, VEB Fördertechnik was formed in the Leipzig combine for metal working companies.

On 1 May 1990, the VEB was reprivatised as "H. Aug. Schmidt Transportanlagen GmbH". Engineer Frank Schulz, the younger son of Ernst Schulz, took over management of the company as managing director.

The development and production of conveyor belts was expanded. In 2008, Frank Schulz handed over the management of the company to his son Jörg Schulz.

Since July 2022, H. Aug. Schmidt Transportanlagen GmbH has been a part of the Moerschen Group. The Moerschen Group stands for tradition, reliability and passion in the construction of plants and machinery for the mining and processing industry.

A success story that started in 1842 and continues to this day. "Cobbler, stick to your last": that's the motto of the Moerschen Group. The Moerschen Group is the only company offering the full service spectrum comprising: stationary machinery and plant construction, maintenance, repairs, spare parts distribution, mobile equipment engineering and our very own hire fleet.



Slewing conveyors for transporting bulk materials

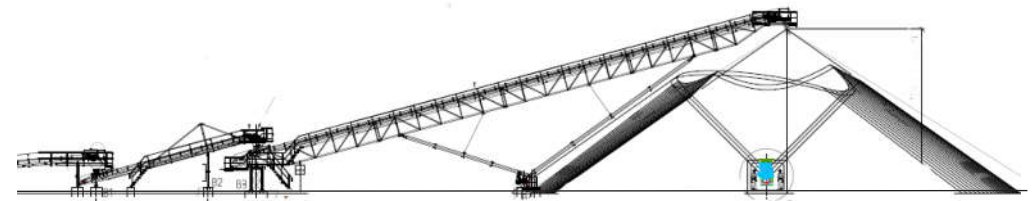
Maximum flexibility

Thanks to their special properties, slewing conveyors are perfect for stacking large stockpiles, even when there are space constraints.

Thanks to their slewing range of up to 325 degrees, slewing conveyors can effectively create a kidney-shaped stockpile with high storage capacity for large quantities of finished products.

- Proven technology at a new level
- Infinitely rotatable by 325 degrees
- Flexible configuration of feed belt height
- Effective stacking of large stockpiles with low running costs

Technical data		Slewing conveyors type SWSB			
Type	Belt width	Belt capacity with a trough angle of 30° and 16° angle of inclination			
		1.31 m/s	1.68 m/s	2.09 m/s	2.62 m/s
SWSB 650	650 mm	200 t/h	310 t/h	310 t/h	390 t/h
SWSB 800	800 mm	300 t/h	400 t/h	490 t/h	600 t/h
SWSB 1000	1000 mm	500 t/h	650 t/h	790 t/h	1060 t/h

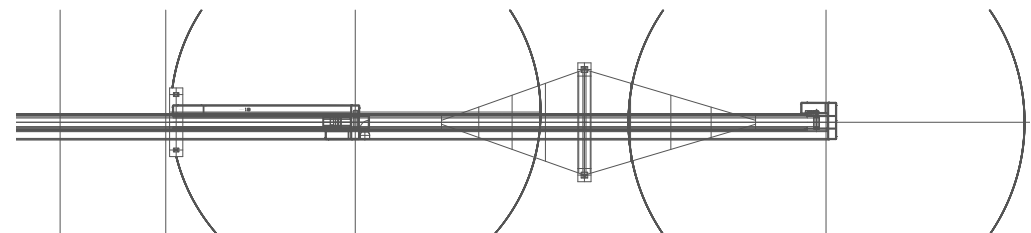
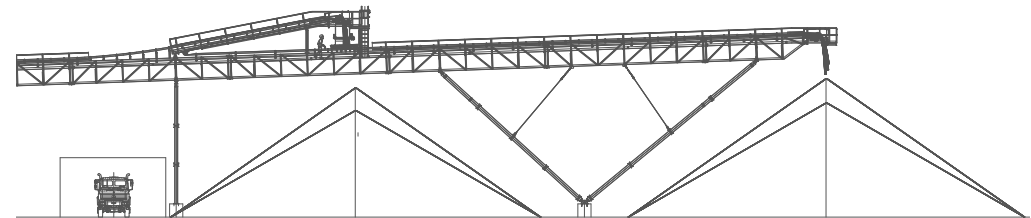




Specialists for stacking and stockpiling

H. Aug. SCHMIDT Transportanlagen GmbH knows no limits when it comes to its stacking systems and can meet any customer requirements in belt widths of 500, 650, 800, 1000 and 1200 mm and in all lengths and designs. Although there are basic design types such as IPE (plate girder) or GT (lattice girder), each belt that is commissioned is custom-configured by the designers to meet the requirements at hand. As a stacker with an arched support structure, it can handle large moments at supports.

- Economical thanks to the tried-and-tested design
- A-supports and fixed-point supports as standard
- Arched construction for higher moments at supports if required
- Optional walkway on both sides for good accessibility
- Tensioning station with spindles, winches or weights



Technical data		SWHB stackers			
Type	Belt width	Belt capacity with a trough angle of 30° and 16° angle of inclination			
		1.31 m/s	1.68 m/s	2.09 m/s	2.62 m/s
SWHB 650	650 mm	200 t/h	260 t/h	310 t/h	390 t/h
SWHB 800	800 mm	300 t/h	400 t/h	490 t/h	600 t/h
SWHB 1000	1000 mm	500 t/h	650 t/h	790 t/h	1060 t/h

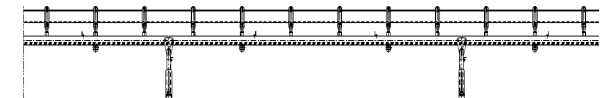
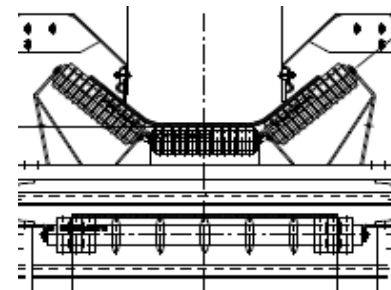
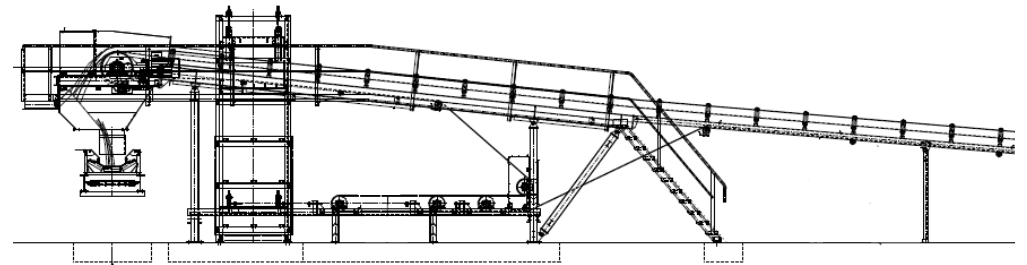


Continuous transport with optimal belt utilisation

The continuous flow of material using conveyor belt systems is considered to be the most effective and energy-efficient method of transport. Even so it is important to have a well-thought-out system.

Only when all components of a conveyor system are tailored to one another can smooth, maintenance-friendly operation be ensured. This principle is at the heart of H. Aug. Schmidt Transportanlagen GmbH's approach when it comes to the development of its overland conveyors as the very lifelines of industry. Type C systems are made using C-beams, type U systems are made using U beams and type I systems are made using IPE beams.

- Custom designs in the bounds of the system concepts
- All lengths and designs
- Economical thanks to the tried-and-tested design
- Tensioning station with spindles, winches or weights



Technical data		Overland conveyors type SWLB			
Type	Belt width	Belt capacity with a trough angle of 30° and 16° angle of inclination			
		1.31 m/s	1.68 m/s	2.09 m/s	2.62 m/s
SWLB 650	650 mm	200 t/h	310 t/h	310 t/h	390 t/h
SWLB 800	800 mm	300 t/h	400 t/h	490 t/h	600 t/h
SWLB 1000	1000 mm	500 t/h	650 t/h	790 t/h	1060 t/h



Specialists for loading

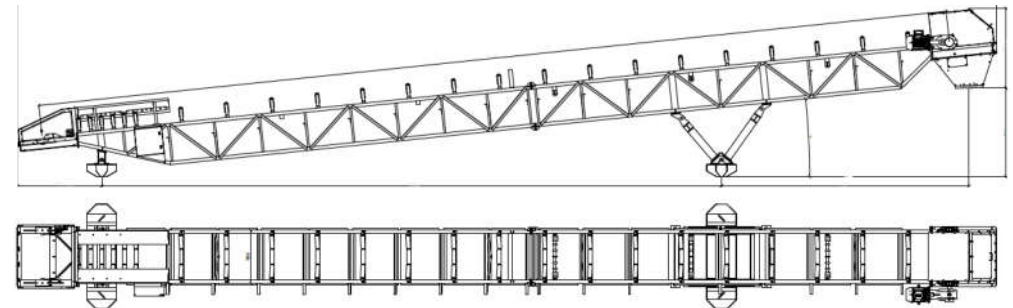
Economic transport of bulk materials over land. The use of mobile conveyors is an effort method of transporting materials over land on mining sites as they can be relocated as required.

By relocating the conveyors using a front-end loader or other machinery, it is possible to transport bulk material over short distances as required. This makes it possible to adjust the positioning of the mobile conveyors on the mining site at little cost.

- Economical raw materials transport
- Easy assembly thanks to a modular construction
- Maintenance-friendly and easily accessible thanks to a walkway on both sides
- Easy transport



Technical data		MOBILE CONVEYORS type SWRB			
Type	Belt width	Belt capacity with a trough angle of 30° and 16° angle of inclination			
		1.31 m/s	1.68 m/s	2.09 m/s	2.62 m/s
SWRB 650	650 mm	200 t/h	260 t/h	310 t/h	390 t/h
SWRB 800	800 mm	300 t/h	400 t/h	490 t/h	600 t/h
SWRB 1000	1000 mm	500 t/h	650 t/h	790 t/h	1060 t/h



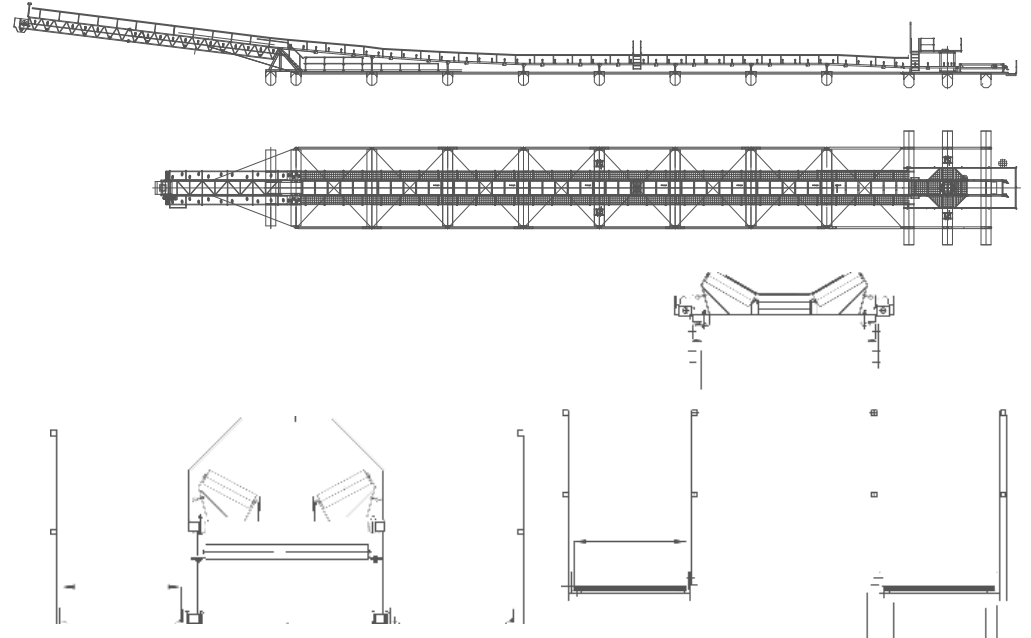


Economical transportation of sand and gravel over the water

The use of MSKB-type catamaran conveyors ensures the economical transportation of raw materials over long distances from the conveyor device for further processing on land.

The catamaran floating conveyor system was developed in a modular design and stands out thanks to its ability to be adapted to the conditions on site as well as thanks to its excellent value for money. Transverse pontoons give the flat units greater stability on the water. The floating conveyors are available with belt widths of 650, 800 and 1000 mm as standard.

- Economical raw materials transport
- Easy assembly thanks to a modular construction
- Configurable to any length
- Up to 160 m length without additional bracing
- Maintenance-friendly and easily accessible thanks to a walkway on both sides
- Hinged doors on the drive head
- Certificate of floating stability and structural integrity available on request



Technical data		Catamaran floating conveyors type MKSB			
Type	Belt width	Belt capacity with a trough angle of 30° and 16° angle of inclination			
		1.31 m/s	1.68 m/s	2.09 m/s	2.62 m/s
MKSB 650	650 mm	200 t/h	260 t/h	310 t/h	390 t/h
MKSB 800	800 mm	300 t/h	400 t/h	490 t/h	600 t/h
MKSB 1000	1000 mm	500 t/h	650 t/h	790 t/h	1060 t/h



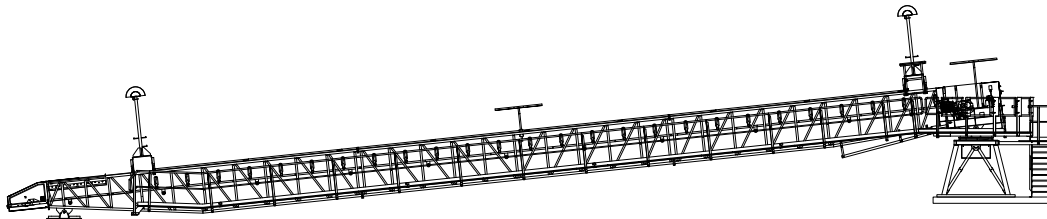
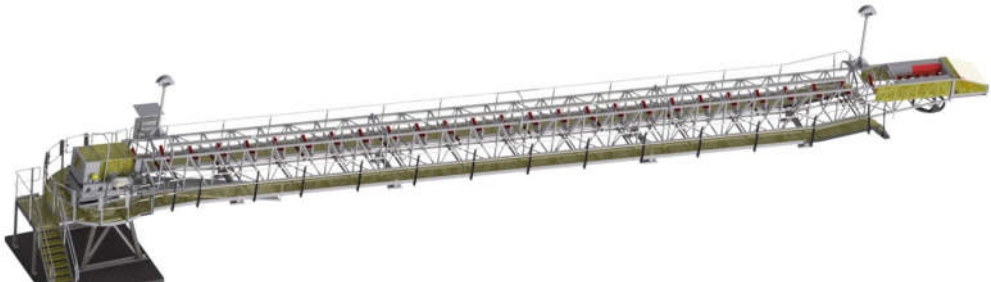
Transportation of sand and gravel over the water

MSB floating conveyors whose supporting pontoons also form the transfer point are amongst the classics of effective bulk material transport over the water.

Built as a closed framework structure, the floating conveyors, which are equipped with belt widths of 650, 800 or 1000 mm as required, are highly accessible.

Stairs link the individual units, which are 20, 25 or 30 m long. On request, the units can also be fitted with a walkway on both sides.

- Economical raw materials transport
- Unit lengths from 20 to 30 m
- Belt widths from 650 to 1000 mm
- Increased floating stability
- Certificate of floating stability and structural integrity available on request
- Hinged doors on the drive head
- Easy assembly thanks to screwed connections



Technical data		Floating conveyors type MSB			
Type	Belt width	Belt capacity with a trough angle of 30° and 16° angle of inclination			
		1.31 m/s	1.68 m/s	2.09 m/s	2.62 m/s
MSB 650	650 mm	200 t/h	260 t/h	310 t/h	390 t/h
MSB 800	800 mm	300 t/h	400 t/h	490 t/h	600 t/h
MSB 1000	1000 mm	500 t/h	650 t/h	790 t/h	1060 t/h



Feed unit ST

Feed unit Bar screen



Feed unit Hydraulic folding grate

Feed unit LT

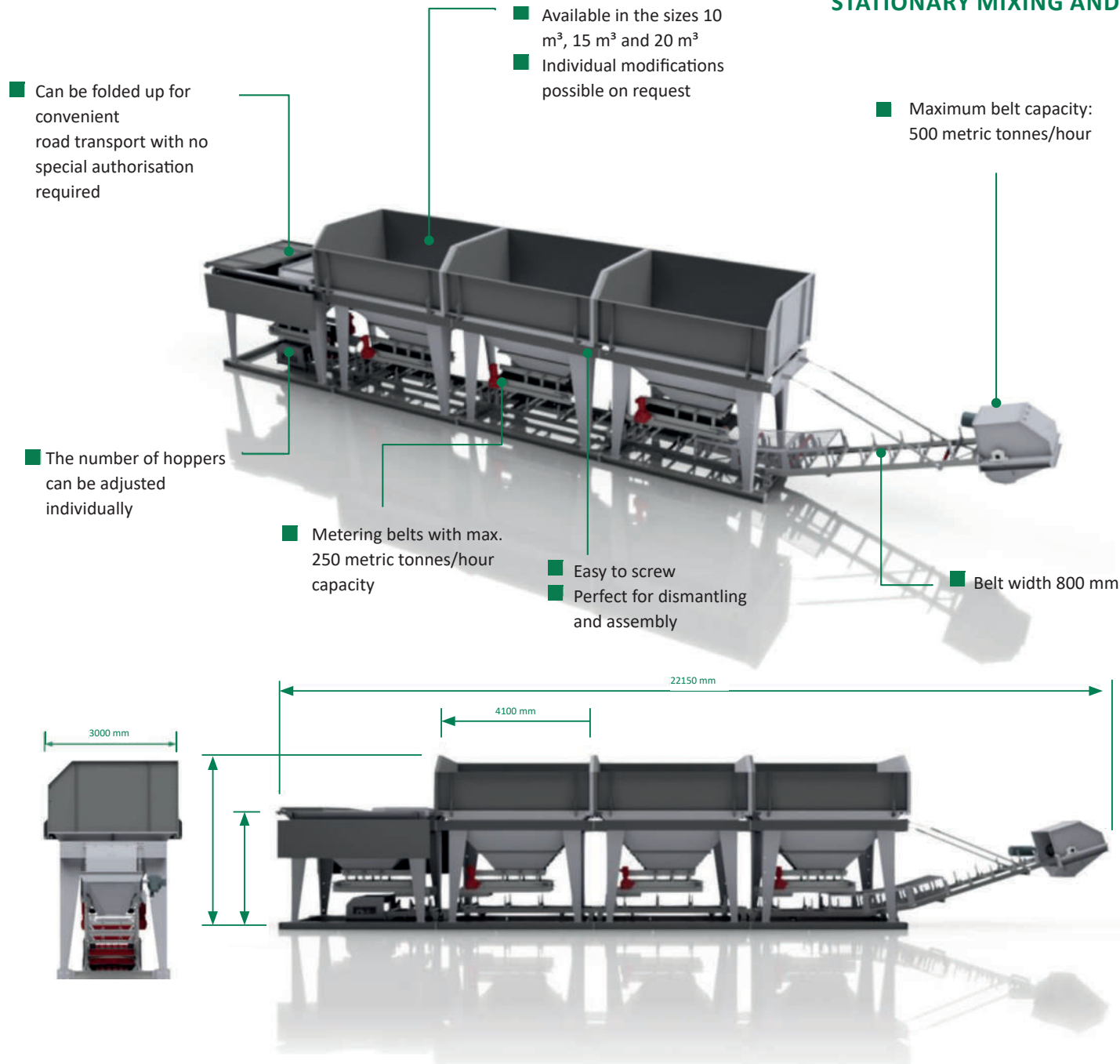


FEED HOPPERS IN DIFFERENT VARIATIONS

As shown in the table, Moerschen GmbH produces feed hoppers in lots of different variations ranging from lightweight to heavyweight. Standard hoppers can be delivered from stock at short notice. Special applications are possible according to individual customer specifications. We also offer a large range of optional accessories such as vibrators, wear plates, traction boards, and much more.

VARIATION TABLE

Hopper size [m³]	Design LT	Design ST	Grate for LT/ST	Bar screen for ST	Hydr. folding grate for ST
7.5	X	X	X	-	-
10	X	X	X	-	X
15	X	X	X	-	X
20	X	X	X	X	X
25	X	X	X	-	X
Special hopper	X	X	X	X	X



FLEXIBLE APPLICATIONS

The “statio-mix” stationary mixing and metering system from Moerschen GmbH is capable of producing precise, standardised mineral mixtures. The volumetric weighing system and PLC loading control enable the production of all kinds of mixtures with extremely high accuracy.

Extremely flexible thanks to its compact dimensions and short changeover times, this machine is suitable for use on construction sites and is particularly geared towards demanding customers that want to offer professional results even when juggling different jobs.

Technical data	statio-mix
Hopper volume	10 m ³ , 15 m ³ , 20 m ³
Hopper angle	approx. 50°
Surface treatment	hot-dip galvanised
Vibrator	0.52 kW
Outfeed belt	
Capacity	500 metric tonnes/hour
Drive output	11.0 kW
Belt width	800 mm
Metering belts	
Capacity	250 metric tonnes/hour each
Drive output	3.0 kW
Belt width	6500 mm

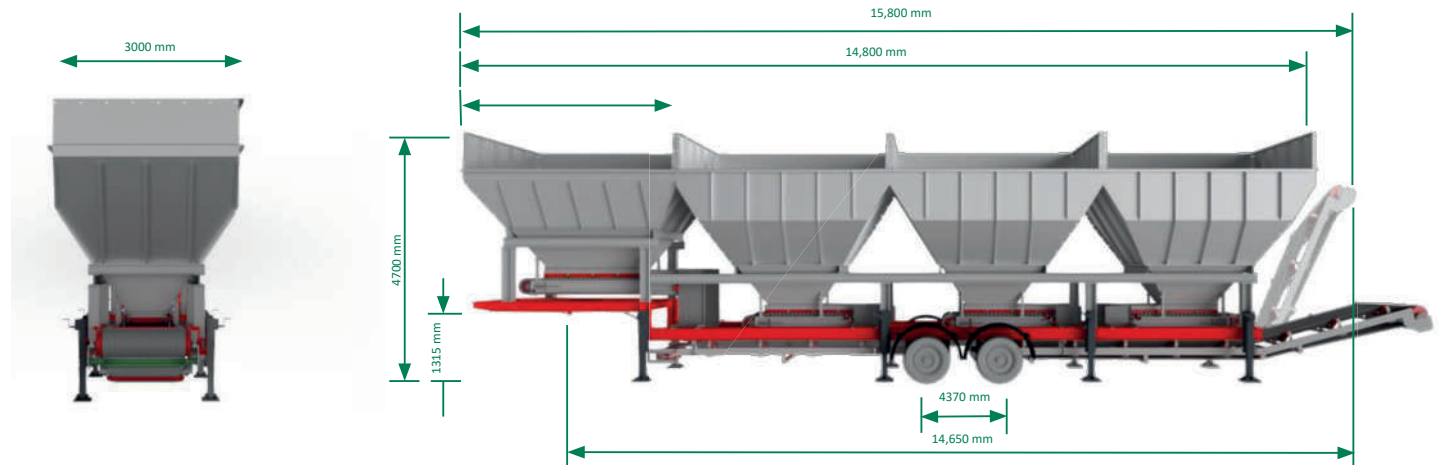
PRECISE GRAIN SIZES

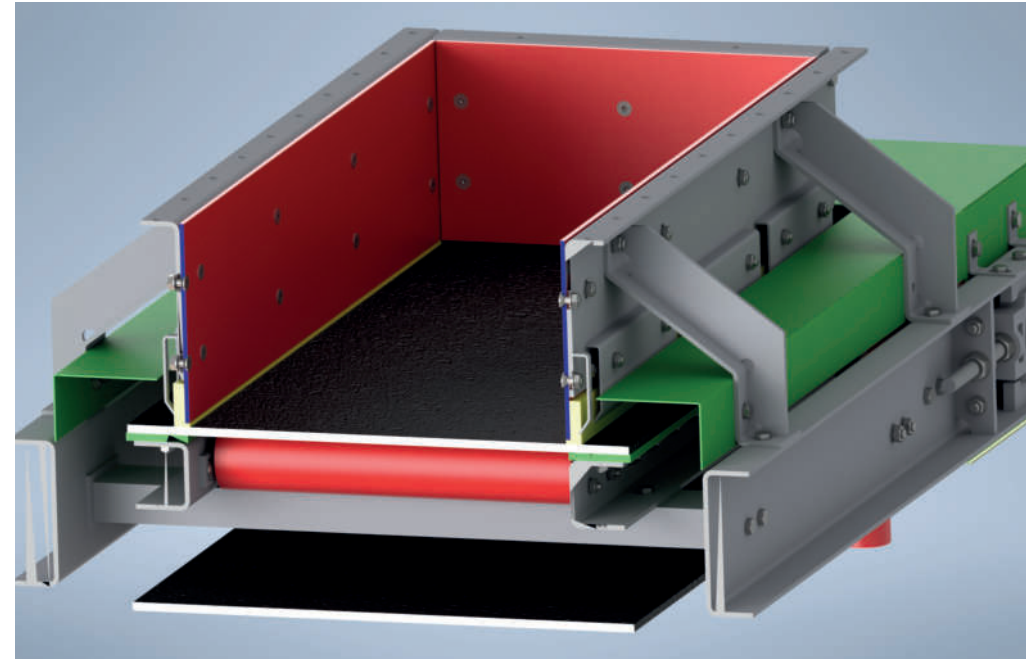
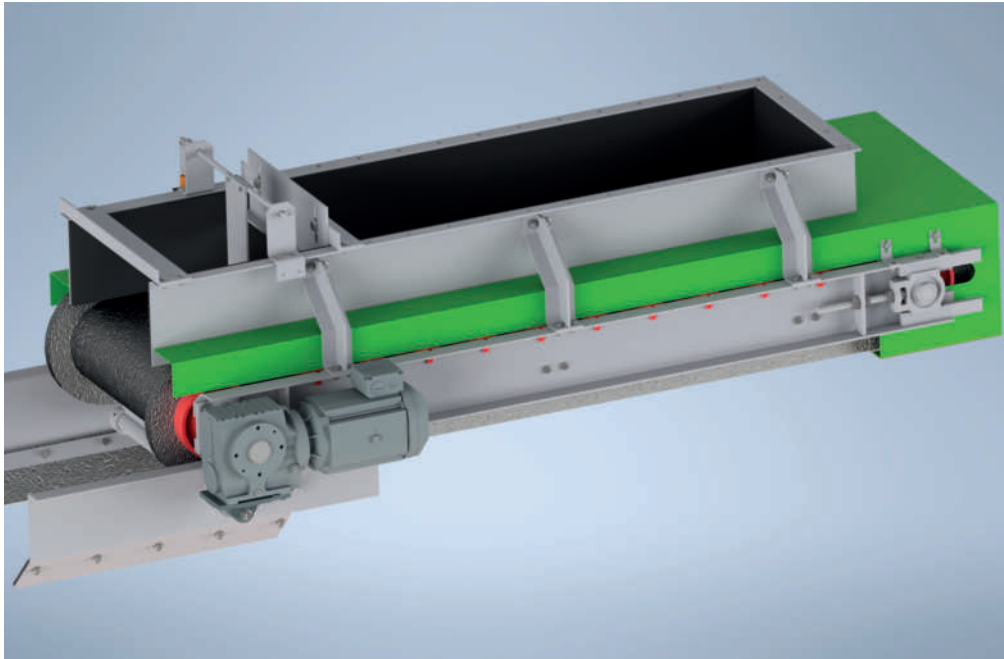
Mobile in-line mixing and metering systems are suitable for the production of precise, standardised mineral mixtures, not least thanks to their modern control systems. The volumetric weighing of the individual fractions in combination with PLC loading control enables the production of all kinds of mixtures with extremely high accuracy.

The mobile system with four hopper units is extremely flexible thanks to its compact dimensions and short changeover times, making it particularly popular with operators that need professional, high-quality results even when juggling different jobs.

Technical data	mobi-mix
Hopper volume	approx. 20 m ³
Hopper angle	approx. 50°
Surface treatment	hot-dip galvanised
Vibrator	0.52 kW
Outfeed belt	
Capacity	500 metric tonnes/hour
Drive output	11.0 kW
Belt width	1000 mm
Metering belts	
Capacity	300 metric tonnes/hour each
Drive output	3.0 kW
Belt width	800 mm

- Transport dimensions (LxWxH) 14,800 mm x 3000 mm x 4000 mm
- Bunker volume approx. 20 m³
- Feed width approx. 3750–3550 mm
- PLC control
- Operation via touchscreen
- Freely programmable mixtures
- Easy to transport on public roads with a semi-trailer
- Metering belts with max. 300 t/h capacity
- Continuously adjustable
- Drive with maintenance-free gear motors
- Volumetric weighing
- Can be used for a wide range of applications
- Compact and quick to set up
- Retractable outriggers for stability
- Belt width: 1000 mm
- Can be folded up for ease of transport
- Outfeed belt with max. 500 t/h capacity





Metering belts for bulk material

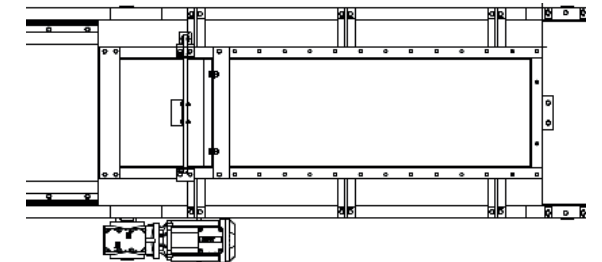
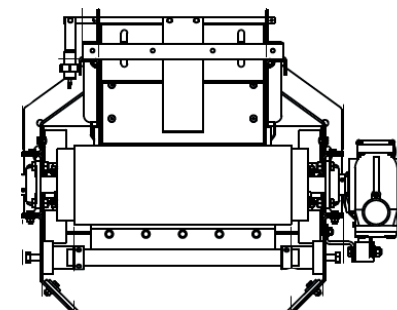
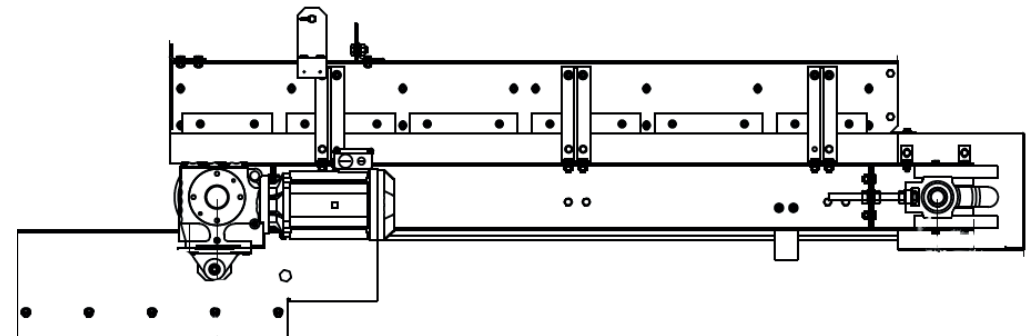
Moerschen GmbH knows no limits when it comes to its metering belts and can meet any customer requirements in belt widths of 500, 650, 800, 1000 and 1200 mm.

Alongside our standard design with a centre-to-centre distance of 2000 mm, all belt widths are also available with centre-to-centre distances of up to 12,000 mm.

We can also custom-build metering and outfeed belts outside of the standard specifications to meet your requirements as well as cater to the local conditions and feed scenario.

- Economical raw materials transport
- Easy assembly
- Expandable thanks to modular design
- Maintenance-friendly and easily accessible

Technical data	Metering belt type MDB
Type	Capacity in t/h
MDB50/200	approx. 200
MDB65/200	approx. 220
MDB80/200	approx. 290
MDB100/200	approx. 360
MDB120/200	approx. 440





Efficient discharge of finished products in large quantities

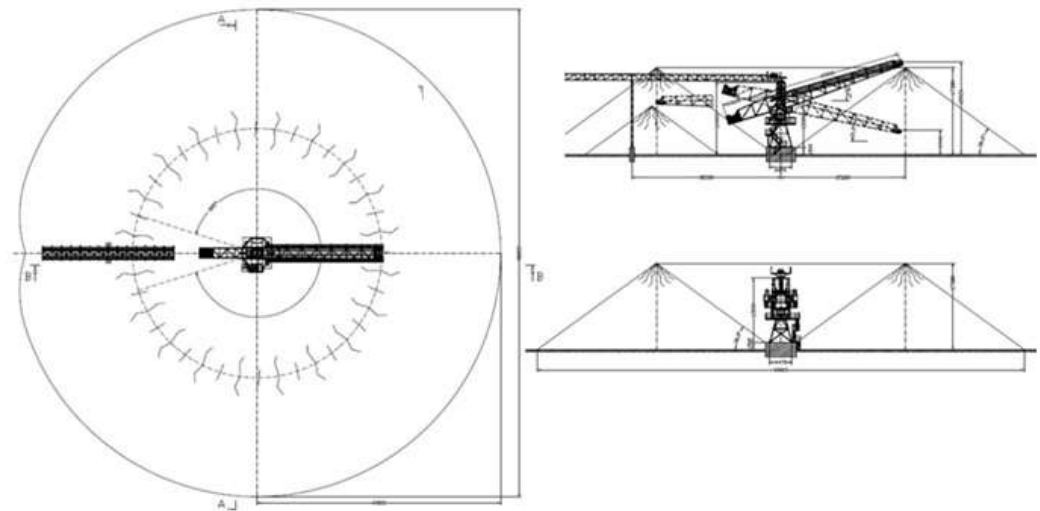
Thanks to their special properties, spreaders are perfect for creating large stockpiles, even when there are space constraints. Thanks to their slewing range of up to

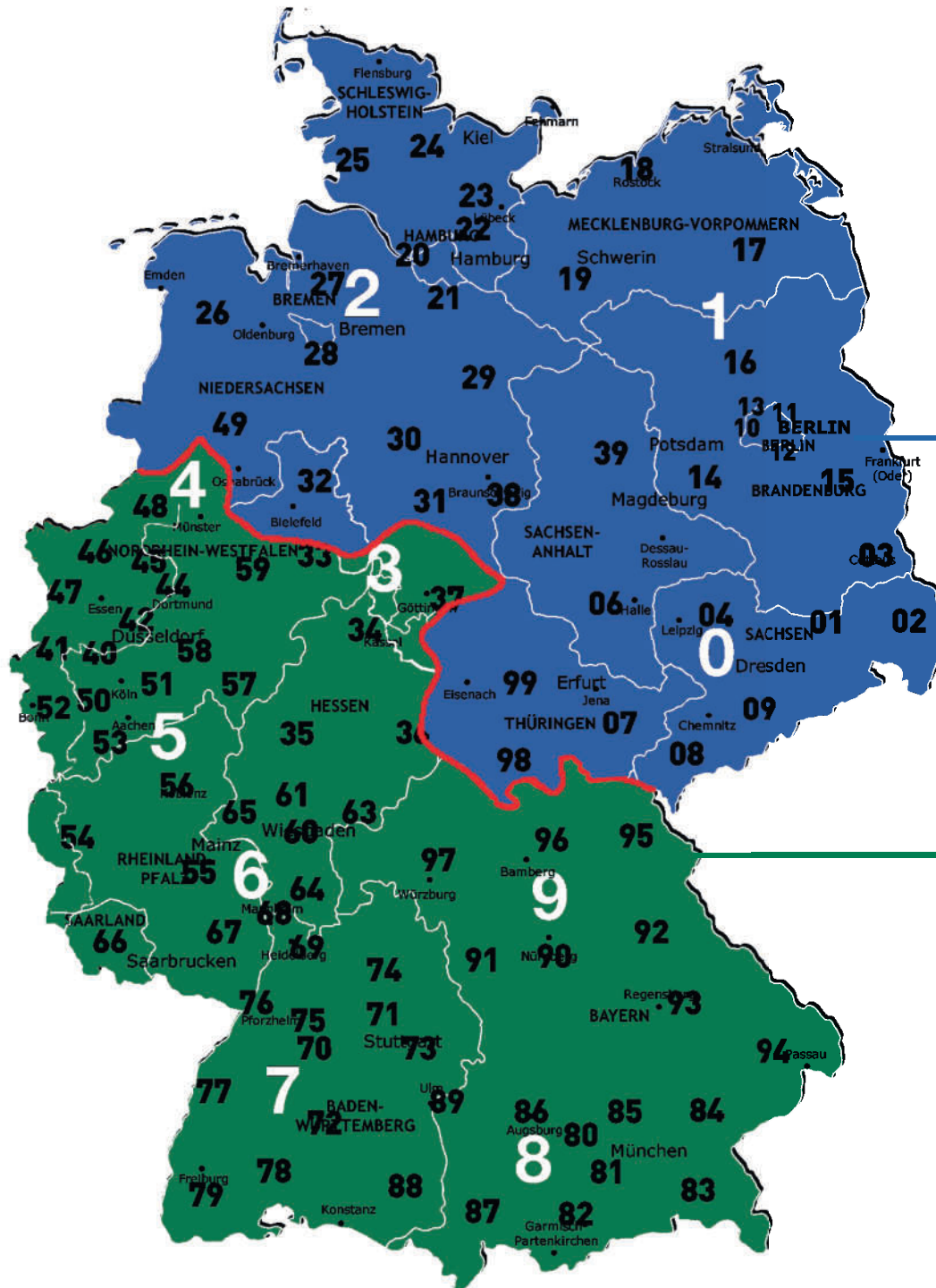
325 degrees, hydraulic spreaders can effectively create a kidney-shaped stockpile with high storage capacity for large quantities of finished products.

A hydraulic lifting and lowering system enables the infinite adjustment of the conveyor belt based on the respective stockpile height. This ensures that the bulk materials are discharged in a gentle manner.

- Proven technology at a new level
- Infinitely rotatable by 325 degrees
- Infinitely adjustable discharge height
- Flexible configuration of feed belt height
- Effective stacking of large stockpiles with low running costs

Technical data	Belt spreaders with hydraulic height adjustment
Possible discharge volume	Depends on the selected total discharge height and boom length.
Boom lengths	25 m, 30 m, 35 m
Belt widths	800 mm, 1000 mm
Slewing range	Rotatable by approx. 325°
Can be hydraulically raised and lowered relative to standard position	Angle of belt incline up to max. +16° Angle of belt decline up to min. -15°





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Success through specialisation



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