

LANDSCAPE PRODUCTION SYSTEMS

Customer-Specific Production

The current market demands a high degree of production flexibility. That is why the production systems from Besser GmbH, well-known for high output, reliability and universal application, are designed to adapt to the needs of each individual producer. Wherever the plant will be located and whatever the end product requirements may be, Besser systems can be optimally matched to do the job.

Through constant development and years of experience, these systems are able to produce high quality concrete pavers with or without face mix, in addition to landscaping and water engineering products. These systems are also able to accommodate the production of such products as insulated hollow block, retaining wall units, building construction units and slabs.

Manufacturing location in Emden, Germany.



The OMAG-Tronic Machine

Hardscape and masonry production equipment is designed for maximum production. The OMAG-Tronic series of machines offers a variety of pallet sizes and styles to meet your unique production requirements for pavers, kerbs, retaining wall units, edging, slabs and other landscape elements. The flexibility provided by OMAG-Tronic machines allows you to produce products from 25 mm - 500 mm in height in a wide array of styles to meet the growing demands of your market. The large pallet size allows the production of a large quantity of units per cycle.

Dense units are easily produced with multi-stage vibration that consists of pre- and main vibration. A fully automated vibration system allows for control of both amplitude and frequency of vibration. This means the process is precisely matched to the specific product requirements.



A 140/100 OMAG-Tronic.

130/70E

130/70

140/80

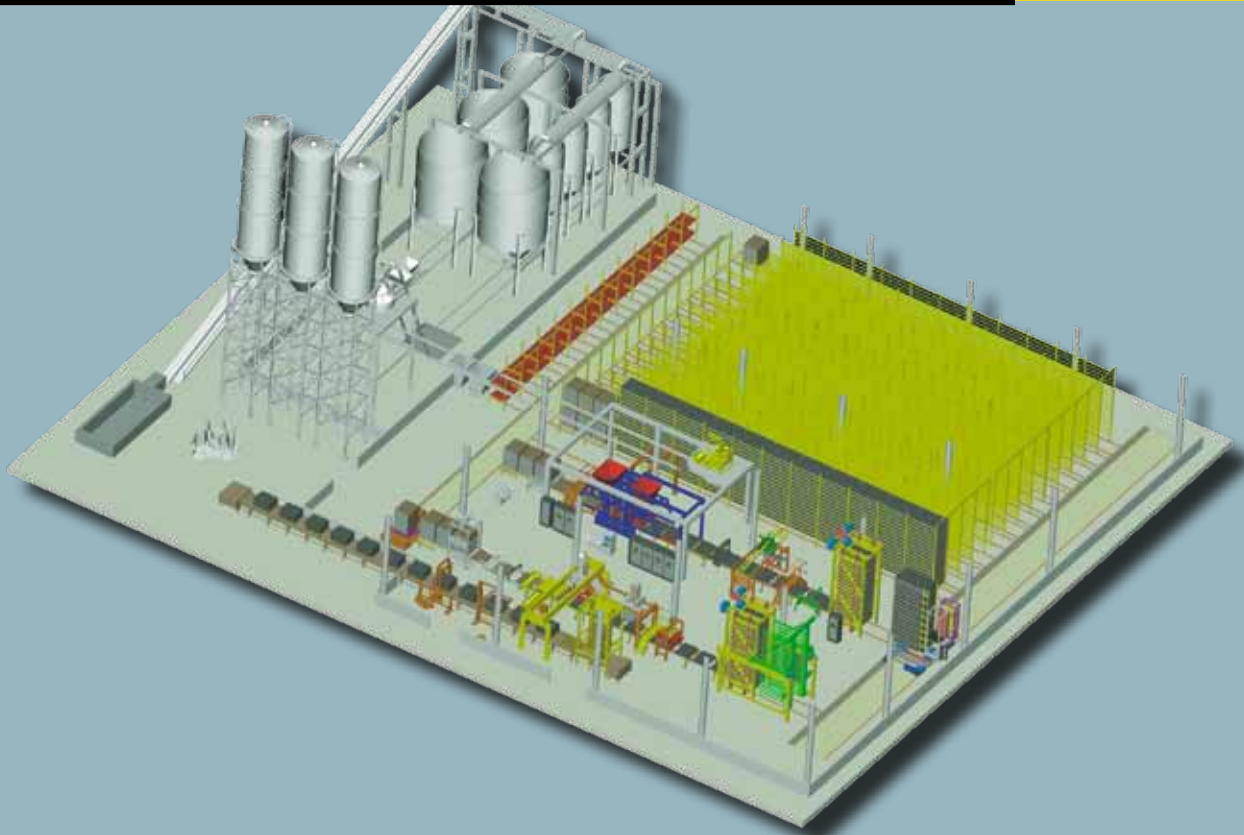
140/100

140/120

140/130



OMAG-TRONIC SPECIFICATIONS



A full plant layout is pictured above. Mold support, the filling car and filling unit for the base mix, a hydraulic system, and a complete control unit are all included. In addition, machines can be equipped with an optional second filling unit for face mix.

Machine Type	Max. board size (mm) width x length	Usable production area for max. board size	Output standard paver one layer in (m ²)**	Output hollow block 8" (200mm x 400mm)***	product height in (mm)
OMAG-Tronic 130/70E	1400 x 700	1230 x 650	1267	12343	50 - 400
OMAG-Tronic 130/70	1300 x 700	1230 x 650	1901	17280	50 - 400
OMAG-Tronic 140/80	1400 x 800	1320 x 750	3024	19938	50 - 400
OMAG-Tronic 140/100	1400 x 1000	1320 x 950	3456	26585	25* - 500
OMAG-Tronic 140/120	1400 x 1200	1320 x 1150	3840	30857	25* - 500
OMAG-Tronic 140/130	1400 x 1300	1320 x 1250	4365	35752	25* - 500

*Standard 100 mm x 200 mm pavers produced in eight hours

**Standard 200 mm x 400 mm (8") block produced in eight hours

Note: The table above shows production rates at 100% efficiency

STANDARD FEATURES

- Solid welded design
- Filling unit for base mix feedbox
- Manual mold change
- Frequency controlled vibration
- Pneumatically operated mold suspension via airbags
- Encoders for control of machine movement
- Level control for top hopper
- Pallet infeed with pusher conveyor
- Central manifold for even tamper air pressure
- Top vibrators
- Modem link to Besser technical service department

OPTIONAL ENHANCEMENTS

- Second feedbox for face mix
- Fully automatic vibration force adjustment
- Driven grids on feedbox
- Draw plates
- Central lubrication system
- Fully automatic mold change with crane and mold carriage
- Product height control system for better height control on taller products (mechanical system)
- Tamper head brush

COMPLETE PRODUCTION PLANTS

MIXING AND BATCHING PLANTS

- Mixing plants
- Color batching plants
- Bucket conveyors

CONCRETE PRODUCTS PLANTS

- Stationary paver production plants
- Pallet and steel plate transport devices
- Fully automatic pallet and steel plate buffering systems
- Elevators and lowerators from six to 20 ton loads
- Finger cars with or without turntable
- Fully automatic cubing systems
- Block cube transport
- Curing chambers
- Pusher tables to rearrange cubers/packs for different sizes of shipping pallets
- Strapping and packaging units
- Molds
- Robotics



Concrete mixing plant.

Finger car with control station.



A washing machine cleans the surface of pavers and kerbs after they leave the concrete products machine.



Cuber clamp.

Pallet buffer.

Elevator/Lowerator.



COMMITTED TO YOUR SUCCESS

Service

Our goal is customer satisfaction in every phase of operation. Even before plant installation, professional service technicians attend to every detail ensuring a smooth transition. Once the plant is installed, your plant personnel are carefully trained to efficiently operate the equipment.

Besser technical service representatives are located around the globe to provide optimum service to you when you need it. These knowledgeable and experienced staff members are available 24 hours per day, seven days a week to respond to your technical service needs. Equipped with technologically advanced diagnostics, Besser service technicians work to prevent downtime. In addition, spare parts catalogs are available online so parts may be ordered over the internet, by fax or phone.

Whether providing mechanical or electrical troubleshooting assistance, guidance for producing new concrete products or providing advice about concrete mix designs, the Besser technical service staff excels at providing the industry's most responsive service.

Parts Availability

A reliable source for service and genuine wear parts is essential to the success of your operation. Besser sales and service representatives and sales order staff located at Besser sites around the globe are available to assist you in determining your needs and placing your orders. For your convenience producers in the Americas can e-mail partsales@besser.com, phone 800.626.0415 or fax 616.399.4026 and all others can e-mail evertrieb@besser.com, phone +49 4921 805.555 or fax +49 4921 805.186.

Complete Systems

Complete systems are customized to meet your precise needs and can include state-of-the-art automatic handling systems, fully automatic pallet buffering systems, elevators and lowerators, finger car systems, cubers, curing racks, bogie car transports and slat conveyors for product transportation. Ask your Besser sales representative for additional information.



The concrete products plant is operated by technologically advanced controls that allow operators to easily and efficiently adjust and monitor the machines. These control units work independently, to ensure that the complete plant is available during maintenance or repair.



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