



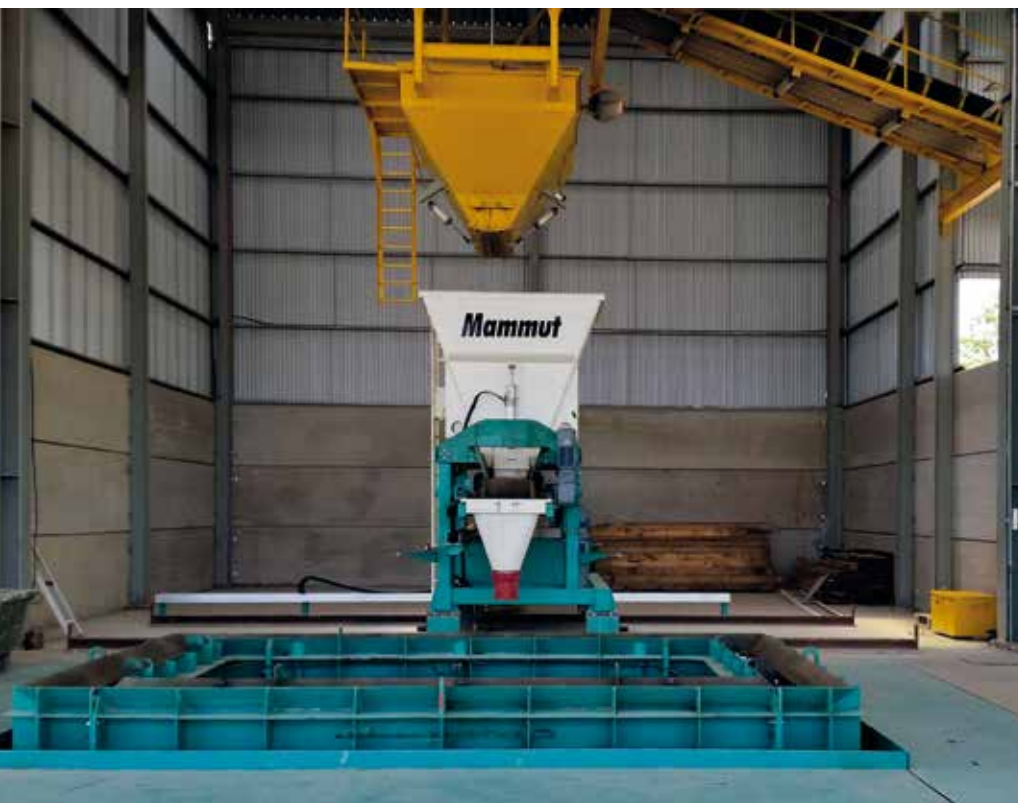
BFS

casagrande
group 

MAMMUT



BOX CULVERT SYSTEMS FOR YOUR SUCCESS – BFS – THE TECHNOLOGY LEADER



BFS MAMMUT

The **MAMMUT** from **BFS** is the high-performance, robust powerhouse for the production of box culvert products and other large-size concrete elements. Powerful vibrating table technology ensures streamlined manufacturing in line with the highest demands on quality.

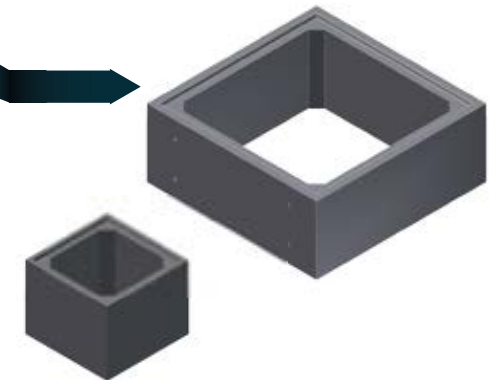
BFS-MAMMUT-PRODUCTS:



BFS-MAMMUT ADVANTAGES AT A GLANCE

1 Range

Depending on the requirements, different machine sizes are available for selection – from the small M4030 (table surface 4m x 3m) up to the large M8668 (table surface 8,6m x 6,8m).



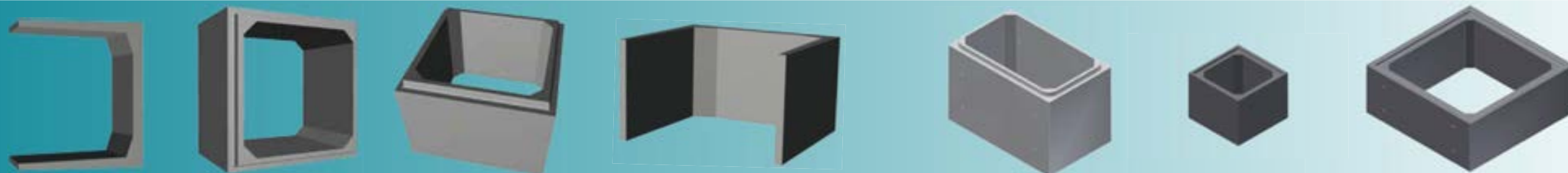
2 Product quality

The **MAMMUT** is characterized by perfect dimensional accuracy and clean product surfaces.

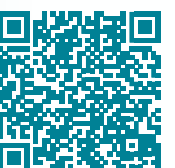


3 Low-maintenance

Temperature-resistant vibrators, with external central electromotor drive, require extremely low-maintenance, even under the toughest climatic conditions, and ensure a trouble-free production.



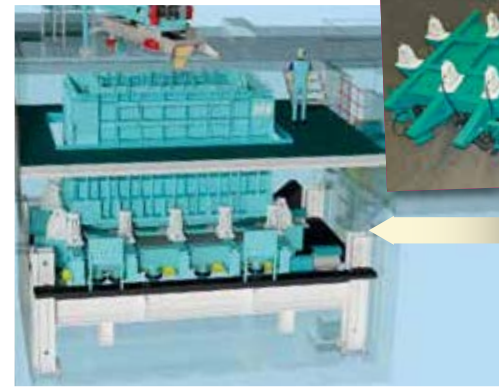
Watch the product video here:





The prepared reinforcement cages on the base pallets are collected via crane by the mould jacket and placed into the system over the core.

With stable hydraulic clamping jaws, the jacket (including base pallet) is braced to the vibrating table...



Adjustable in height

...the quick locking allows them to be moved freely over the table, enabling the production of different product sizes and types. The **MAMMUT** vibrating table is very stable and rigid, and is characterized by very smooth and powerful vibration, unfolding over the entire table surface. Here, the pneumatic controlled leveling system is used. As a result, the vibrating table's enormous power reserves can even cope with the biggest products.



The hopper of the concrete feeder is filled via conveyor belt or travelling bucket.

After the production process is completed, the jacket, including base pallet, product and spigot end shaper are gently lifted, ensuring maximum dimensional accuracy and allowing the box to be stored for curing. After the clamps between the jacket and base pallet have been released, the jacket can be lifted and is available for the next cycle.

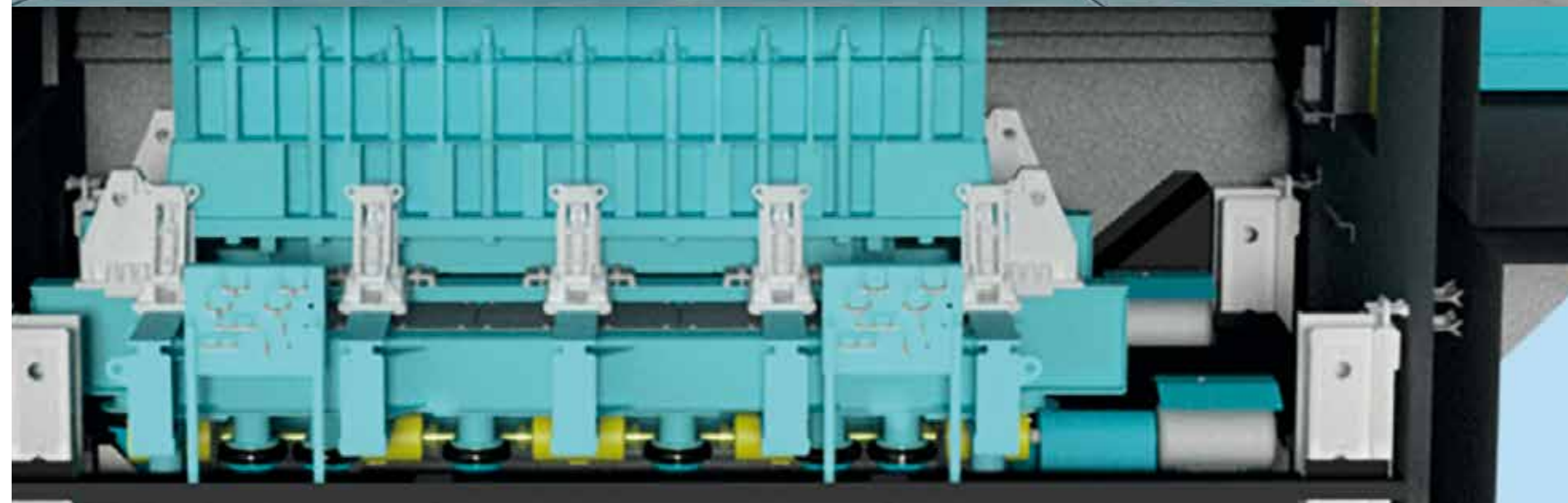
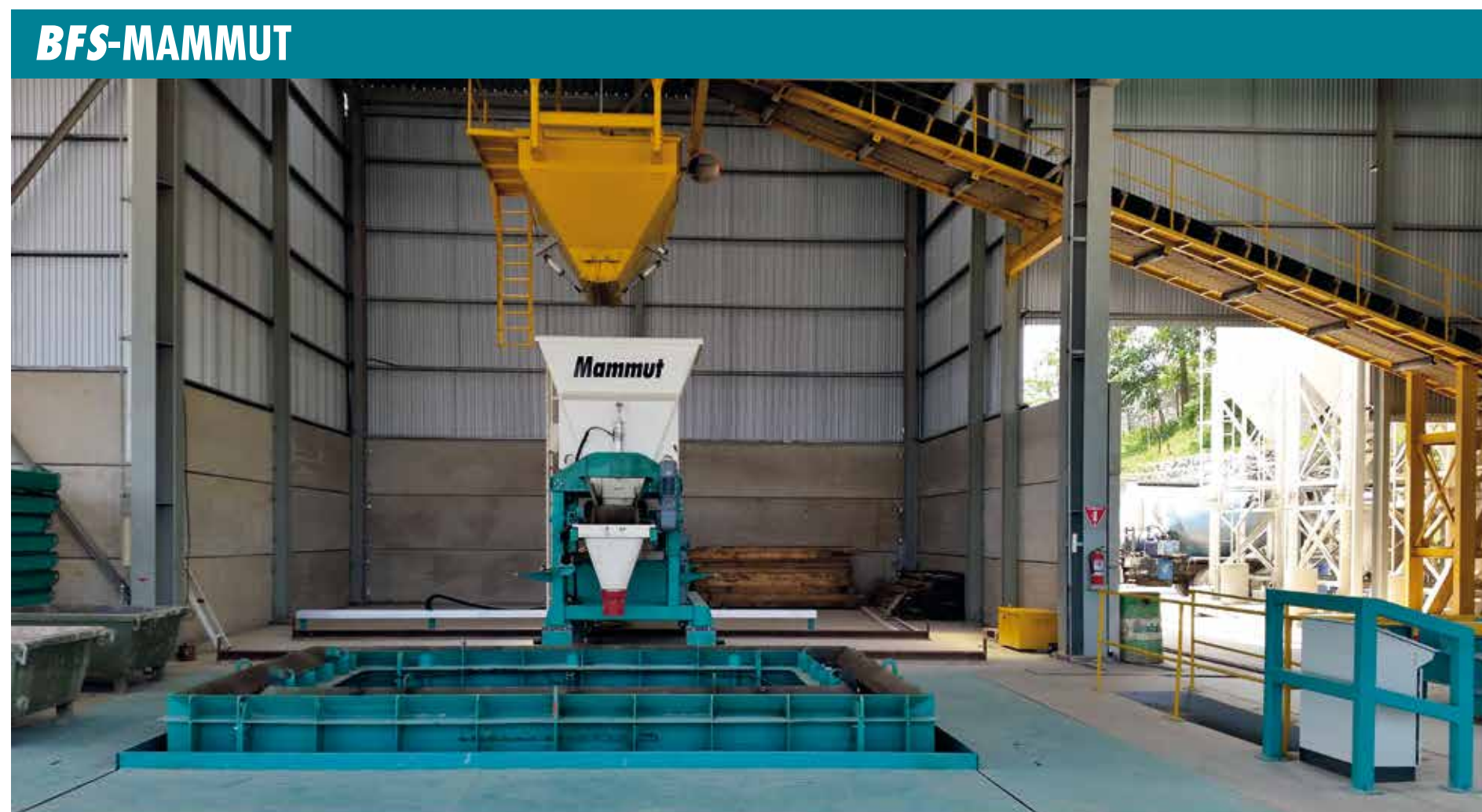
To optimize the spigot end, the spigot end shaper remains on the fresh product for a defined period of time.



Customised designs are available for the spigot end. The spigot end is shaped under vibration, by eight hydraulic clamping cylinders integrated in the core. This production step is also completely automated. All parameters can be selected via the integrated touch screen.

The following options are available:

- Height-adjustable base frame for the vibrating table for using different mould heights
- Swivel pressing device for shaping the pipe spigot ends
- Semi or fully automatic crane demoulding
- Pipe handling equipment
- Equipment for turn over moulds (e.g. for manhole bases and container production)



BFS-MAMMUT

The CNC-controlled system precisely follows the respective product geometry, while the exact interaction between the pre-programmed control of the feeding quantity and the integrated laser measuring system guarantees a uniform mould fill level.

This process requires no manual intervention by the operator, as the contour control and frequency-controlled vibration are completely controlled by CNC. The Mammut achieves optimal, uniform compaction.



Two concrete feeding systems are available for selection.

- Linear feeding (x/y) for very large products and dual-box production (Figure 1)
- Swivel feeding with rotating discharge belt and CNC contour control (Figure 2)

Optionally, both concrete feeding systems can be equipped with laser fill height controls.

BFS MODU-MOULD

With the sophisticated **MODU-MOULD** modular system, **BFS** offers a homogeneous concept. In small size increments, different components can be combined in a wide range of mould dimensions.

Mould cores, jackets, base pallets, spigot end shapers – all these elements belonging to the modular system reduce investment costs and increase production flexibility. **MAMMUT** moulds can be equipped with:

- Lifting anchor holding devices
- Transport hole device
- Assembly traction devices
- Reinforcement centering devices
- HDPE liner equipment
- Holding devices for mounting rails



Depending on the product and load, each MAMMUT is tailored to the needs of our customers with regard to load capacity, vibrating performance, and machine controls."

Daniel Bühler & Klaus Müller
Managing Directors, **BFS** GmbH



For more product videos, visit our YouTube channel:



BFS – OUR SERVICE SAVES TIME AND MONEY.

For **BFS**, the delivery of a system, machine, or mould represents the start of a partnership. Satisfied customers guarantee success and further growth. Excellent customer service, fast and reliable spare part supply, quick and competent troubleshooting and support from our experienced technicians over the **BFS** hotline, as well as swift, professional on-site service make **BFS** a reliable partner.

Hotline:

- Experienced and field-tested professionals help to solve production issues and rectify malfunctions
- With modern, online remote maintenance units, we support our customers in troubleshooting their control systems

Spare part supply:

- Competent consulting, fast processing and short term delivery when a spare part is needed
- Our high-quality original spare parts meet the highest of quality standards

Service contracts:

- Organized and regular maintenance by trained, experienced BFS staff reduces machine downtime related to malfunctions and increases the service life of our systems
- On request, our service technicians and application experts help you on-site in optimizing the quality and performance of your systems
- Regular inspection and optimization of the safety status of your machinery helps operating staff to prevent accidents

Hotline: Service & consultation

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