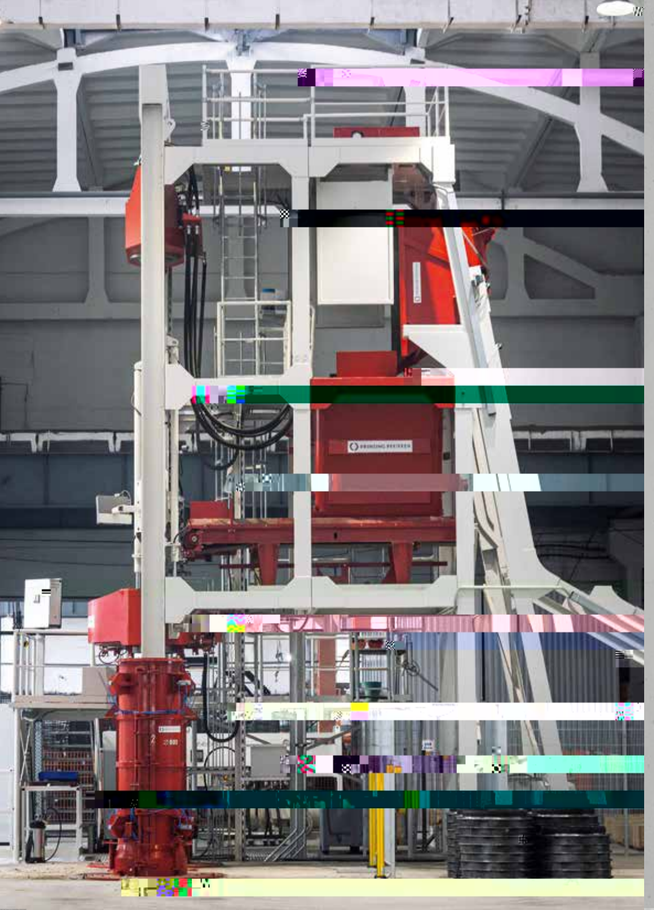
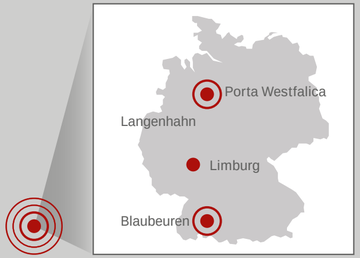


EN

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EIFFER




Porta Westfalica
Langenhahn
Limburg
Blaubeuren

OUR

VISION

Our vision at PRINZING PFEIFFER is to be the global leader in machinery innovation, setting the benchmark for excellence in the production of concrete products. We aspire to drive the future of the industry through sustainable practices, cutting-edge technology, and a tireless commitment to quality. By fostering a culture of continuous improvement and collaboration, we aim at empowering our customers and partners to exploit their highest potential, ensuring a legacy of innovation and success for generations to come yet.

OUR

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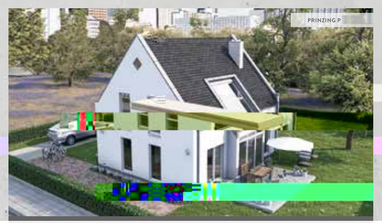
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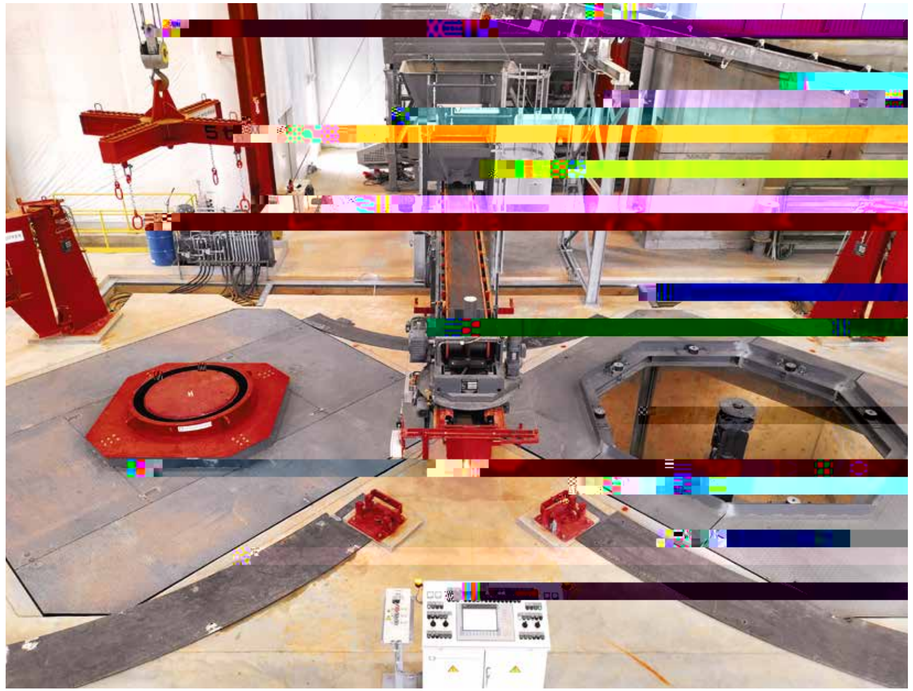


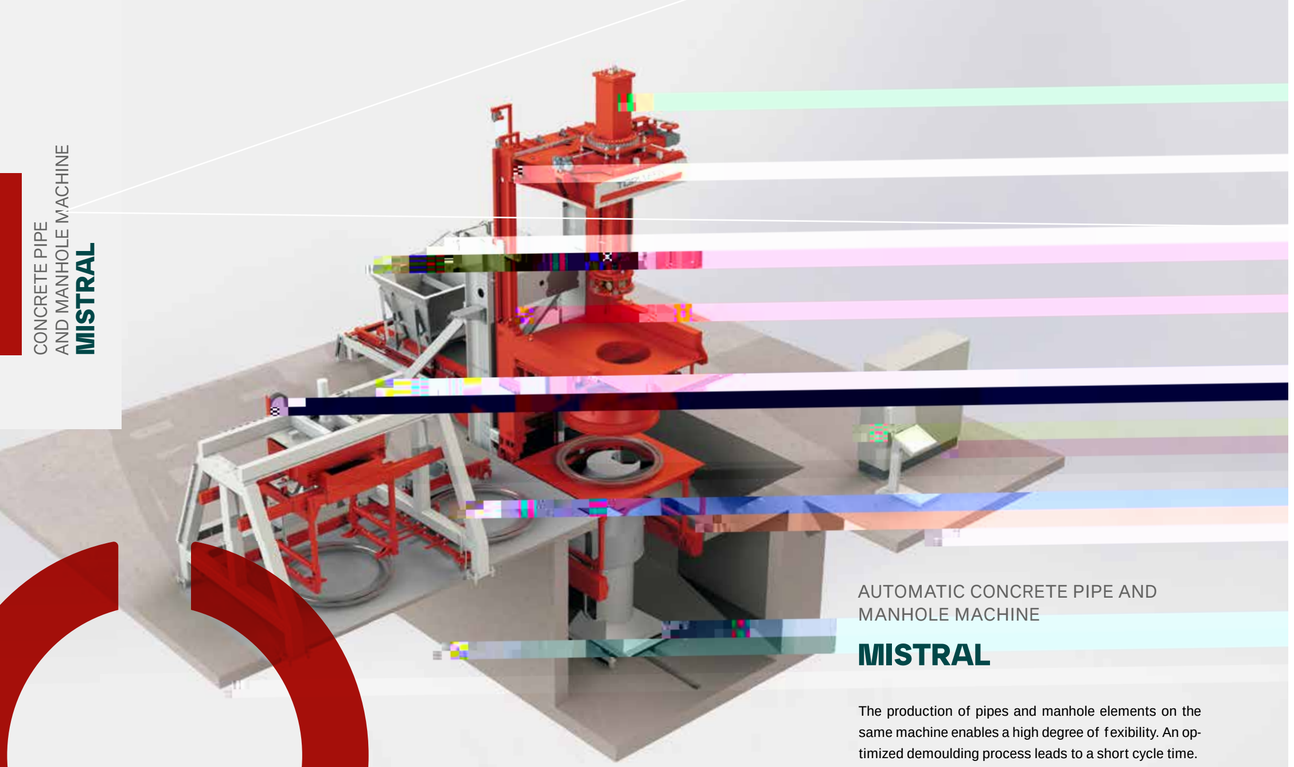












AUTOMATIC CONCRETE PIPE AND MANHOLE MACHINE

MISTRAL

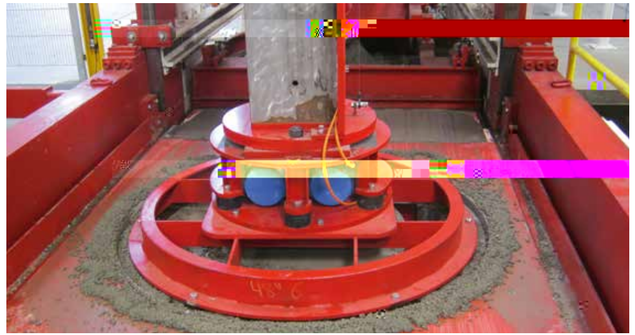
The production of pipes and manhole elements on the same machine enables a high degree of flexibility. An optimized demoulding process leads to a short cycle time.

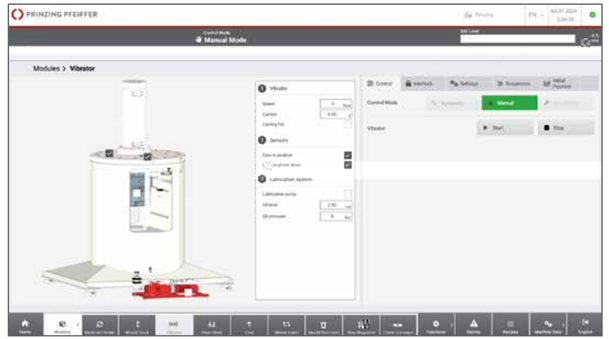
In addition, a variety of other concrete products can be produced on the MISTRAL.

The MISTRAL is very well suited for the production of

Products for sewerage







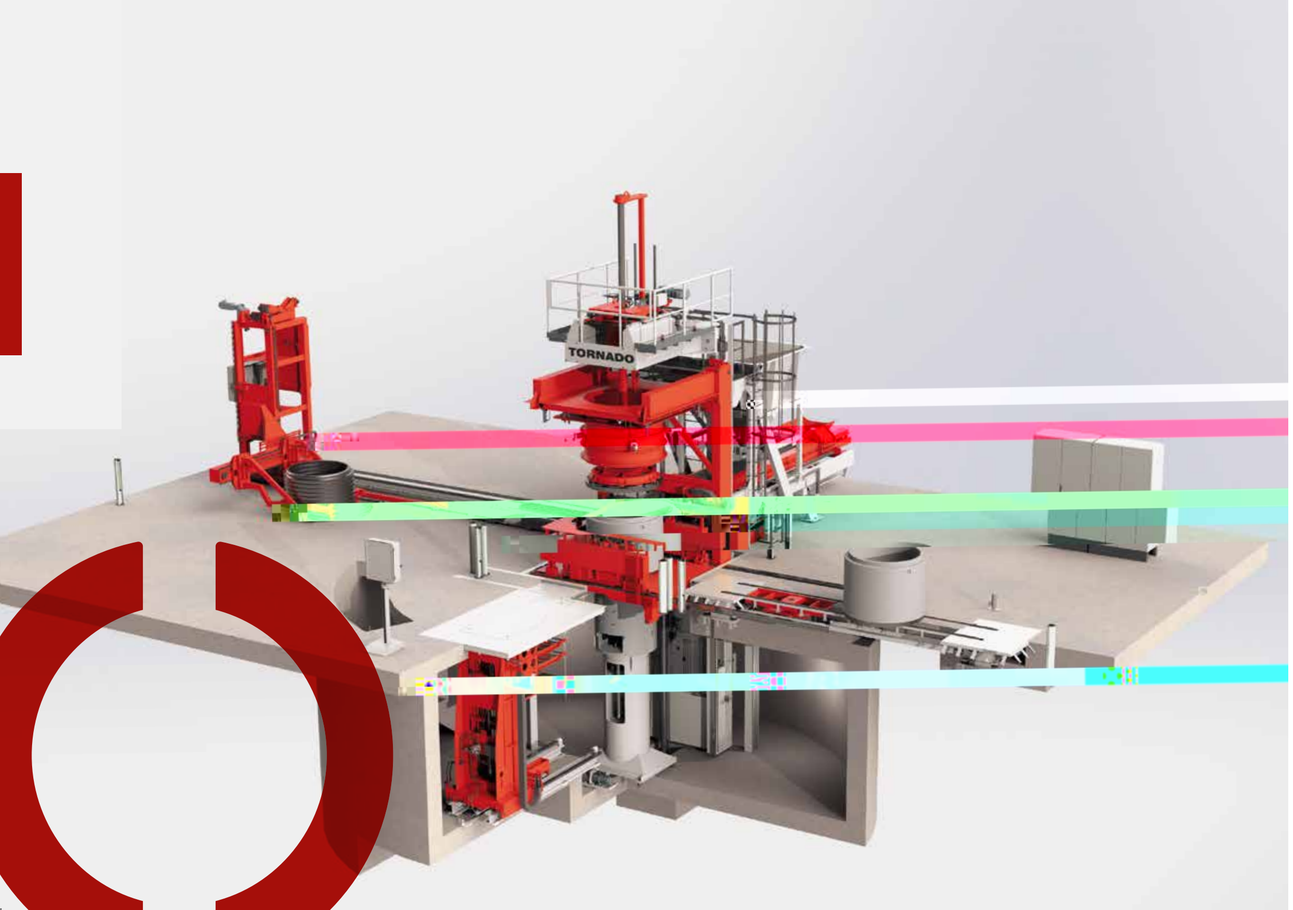




MISTRAL	150/250	200/250
M		

OPTIONAL EXTENSIONS FOR THE MISTRAL

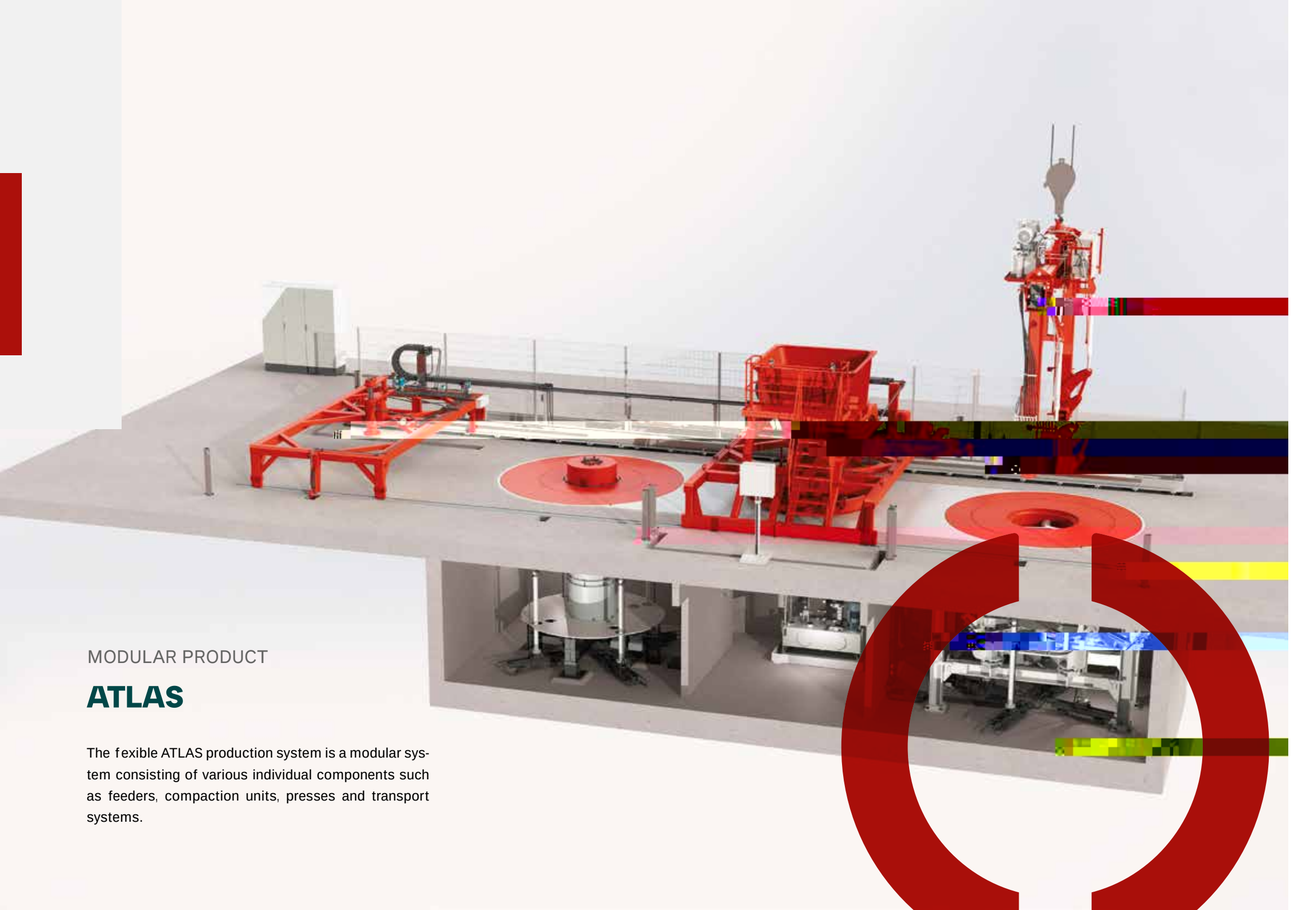
- Automated base pallet cleaning and subsequent application of release agent
- Automatic pallet, step, or anchor feeding
- Automatic cast-in-place of steps elements or transport anchors
- Automatic adjustment of the pressing unit for the production of eccentric products
- Compaction by vibration table or central vibrator
  - Double or combined production possible up to nominal size 600 mm
- Query of the production process via mobile devices
- Online service support with direct access to the control system
- Data analyzer and reporting to provide all relevant production data and statistics



The TORNADO is very well suited for the production of

Products for sewerage

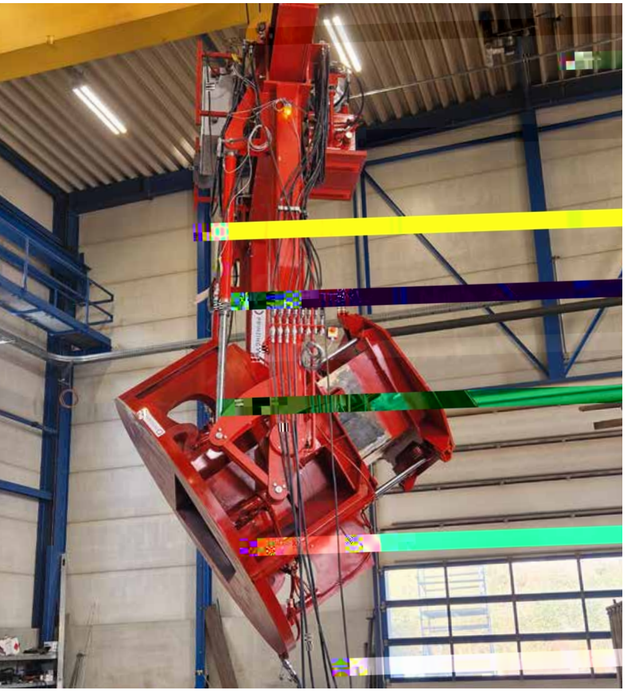




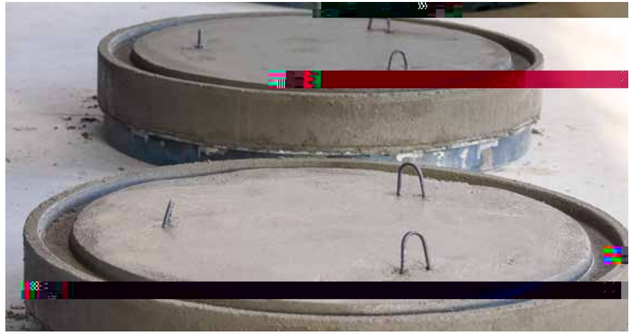
MODULAR PRODUCT

ATLAS

The flexible ATLAS production system is a modular system consisting of various individual components such as feeders, compaction units, presses and transport systems.

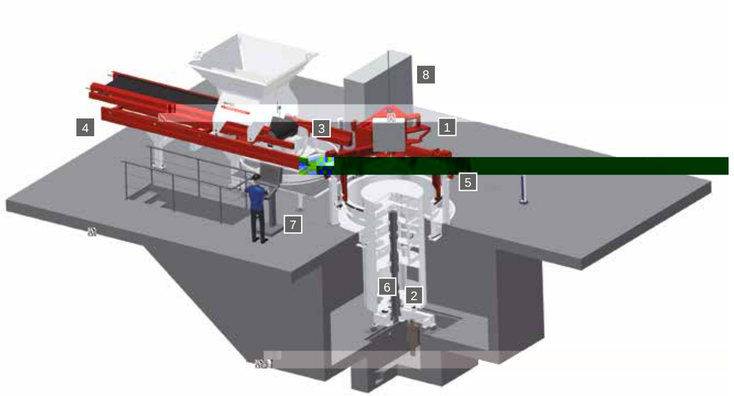




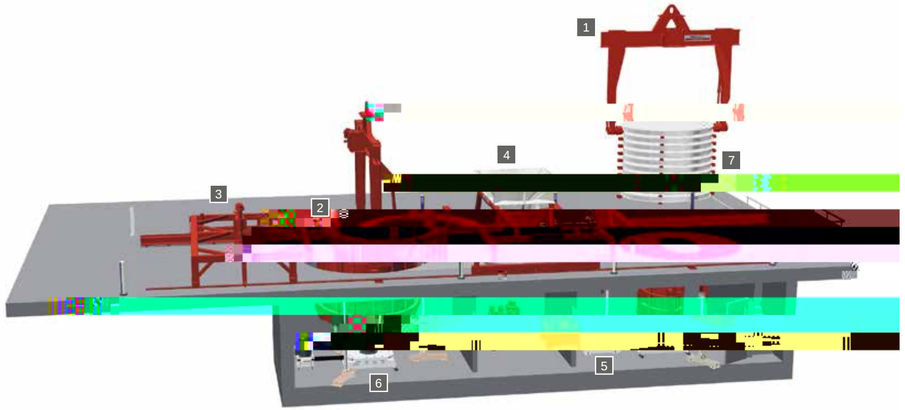




ATLAS 200/100

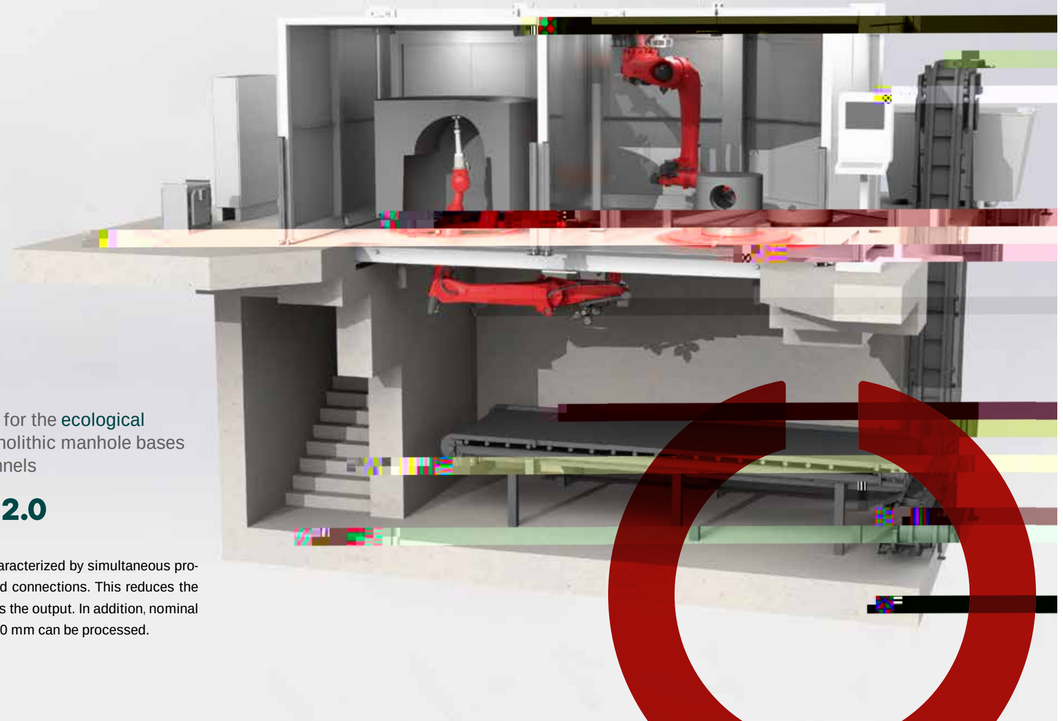


ATLAS 200/250



ATLAS 350/300

11

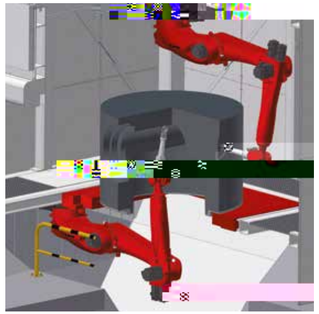


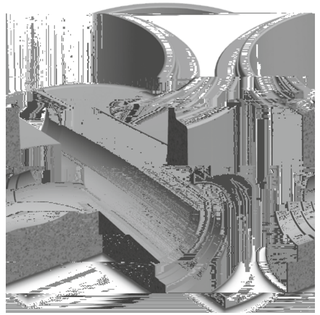
Patented process for the ecological production of monolithic manhole bases with variable channels

PRIMUSS 2.0

The PRIMUSS 2.0 is characterized by simultaneous processing of channels and connections. This reduces the cycle time and increases the output. In addition, nominal widths from 600 to 1,500 mm can be processed.

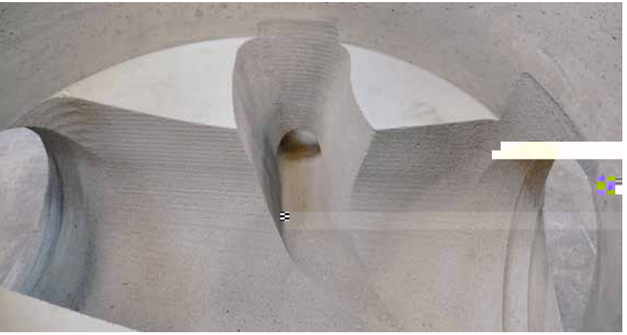
PRIMUSS
Monolithic manhole bases with varying channels

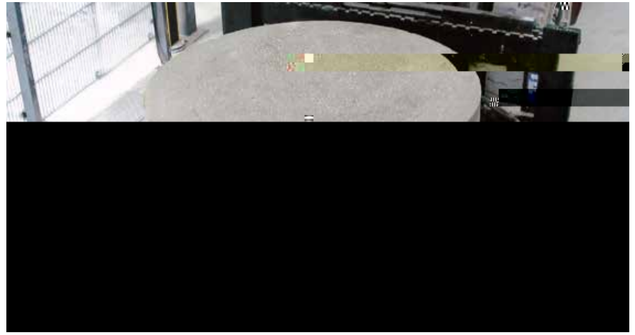


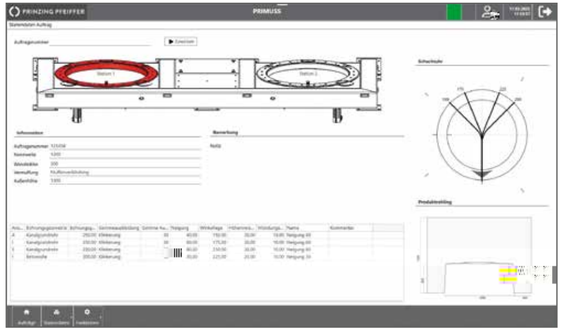


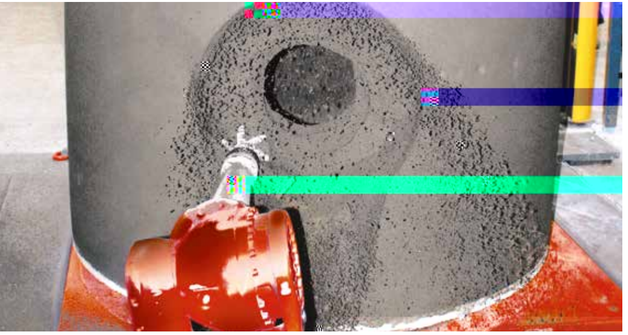
PRIMUSS HIGHLIGHTS

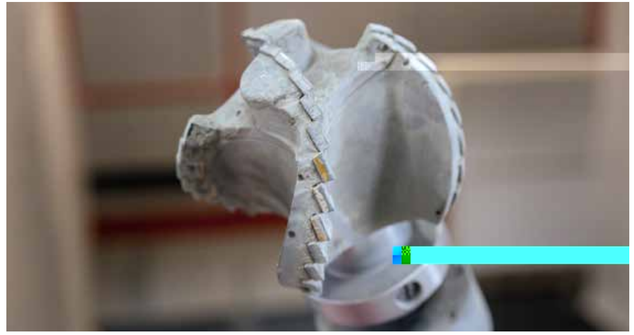
- Program-controlled production of any channel layout as well as the corresponding inlets and outlets for each pipe connection
  - Hydraulically optimized channel design
- Reduced preparation time due to:
  - Elimination of formwork elements for channels
  - Elimination of formwork elements for connections
  - Automatic production of the manhole base
  - Processing of wet- and dry-cast products
- Low tool and energy costs due to milling of fresh concrete
- The milled material can be reused
- Reduction of personnel costs (1 operator)
  - Proprietary software for designing man hole bases
- SmartParts for easy selection of the required spare parts
- Intuitive machine control adapted to the operator











TECHNICAL DATA

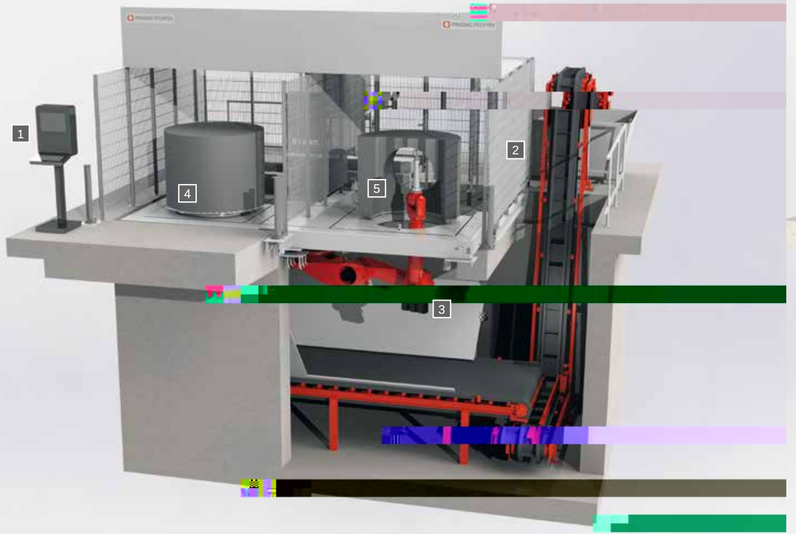
ADVANTAGES OF PRIMUSS MANHOLE BASES

- The manhole bases are monolithic and made of highly compacted concrete
- Partial hardening in the formwork produces dimensionally accurate manhole bases
- The channels are flow-optimized.
- All concrete strength classes can be processed
- PRIMUSS manhole bases are exemplary in their eco-balance, as no lost formwork elements are required during production

OPTIONAL EXTENSIONS FOR THE PRIMUSS

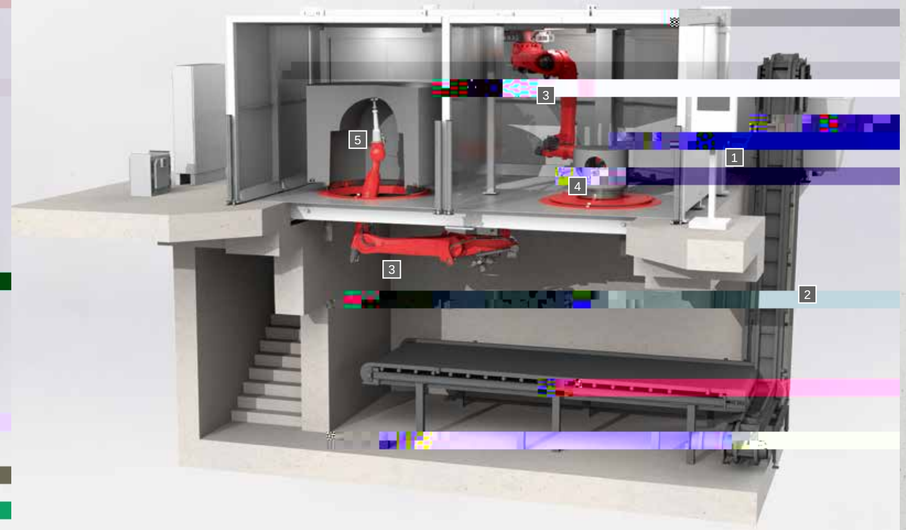
- Automatic tool changer for various milling tools
- Second milling robot to increase productivity (Primuss 2.0)
- Automatic milling material conveyor to reduce the cleaning efforts
- Laser-assisted positioning of the manhole bases
- Reliable positioning of reinforcement cages
- Data analyzer and reporting to provide all relevant production data and statistics
- Smart Check for regular and professional inspection of your system

PRIMUSS



1. Control panel
2. Conveyor belt for milled material
3. Industrial robot
4. Milling station with turntable
5. Cutter

PRIMUSS 2.0



1. Control panel
2. Conveyor belt for milled material
3. Industrial robot
4. Milling station with turntable
5. Cutter



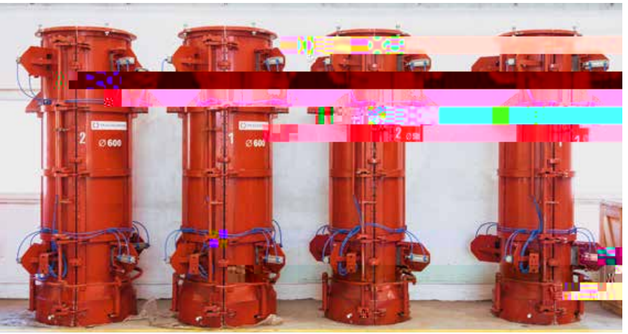
FULLY AUTOMATICR

RADIAL PRESS RP

The Radial Press RP represents a signi f cant innovation in the production of reinforced and non-reinforced concrete pipes. Its high production capacity and f exibility make it an invaluable resource for concrete factories worldwide. With the Radial Press RP, high-quality concrete pipes can be produced e f ciently and cost-effectively, meeting the requirements of modern infrastructure projects.



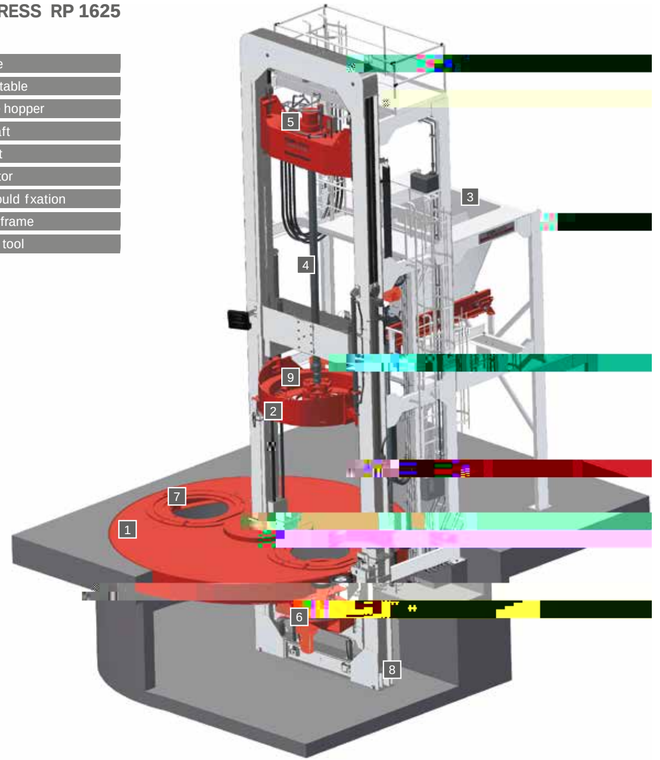






RADIAL PRESS RP 1625

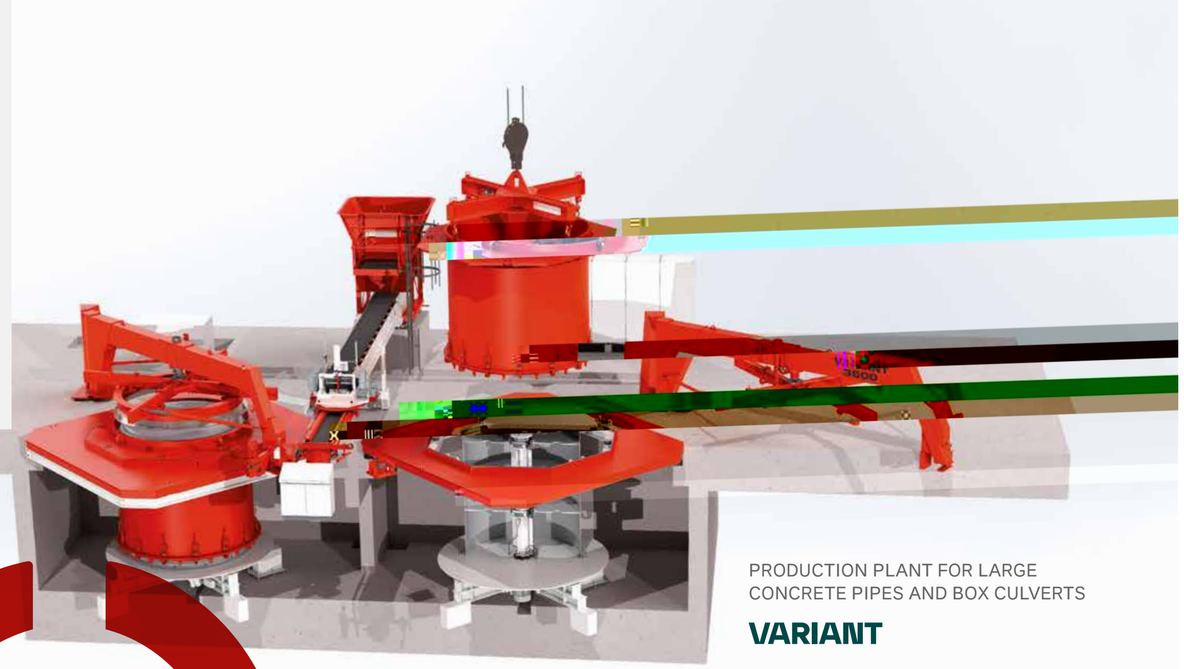
1	Turntable
2	Working table
3	Concrete hopper
4	Main shaft
5	Drive unit
6	Compactor
7	Outer mould fixation
8	RP main frame
9	Pressing tool



OPTIONAL EXTENSIONS FOR THE RADIAL PRESS RP

- Variable overall length change due to height-adjustable working table
- QCS quick-change system for semi-automatic nominal size change
- Skip hoist with concrete hopper. E.g. for production with low concrete transfer height
- Automatic reinforcement cage centering devices
- Possible production with 3-part outer moulds for low ceiling heights (no overhead stripping)
- Extension with modular pipe- and base pallet handling systems possible
- Data analyzer and reporting to provide all relevant production data and statistics
- Smart Check for regular and professional inspection of your system

For more Details



PRODUCTION PLANT FOR LARGE
CONCRETE PIPES AND BOX CULVERTS

VARIANT

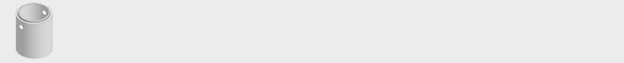
The VARIANT is a flexibly adaptable machine that can produce a wide range of concrete and reinforced concrete products. Its technical specifications, adaptability and efficiency make a first-class choice for manufacturers looking to optimize and expand their production processes. With sustainability and future developments in mind, the VARIANT is an investment that pays off in the long term.

The VARIANT is very well suited for the production of

Products for sewerage



Products for sewage water treatment and rainwater utilization

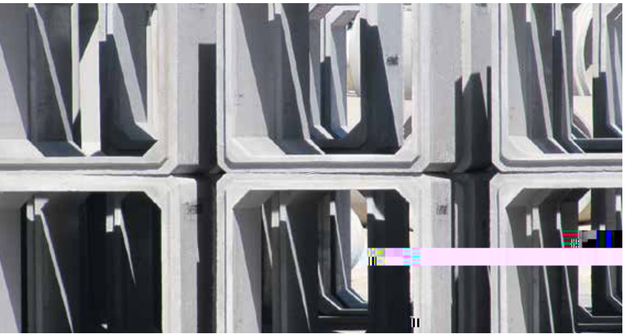


Products for drainage



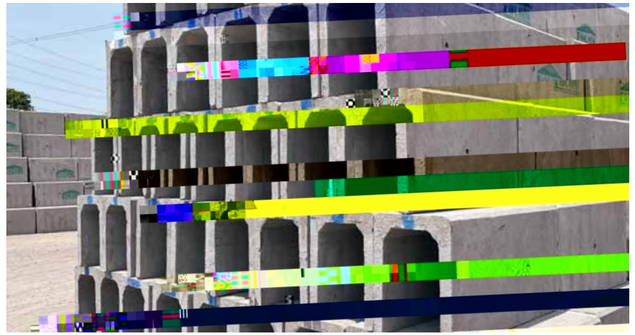
HIGHLIGHTS OF THE VARIANT

- Maximum flexibility (modular principle)
- Later expansion to 2-station operation possible
- Powerful central vibrators ensure high and even compaction of large-format and thick-walled concrete products
- Automatic gap feeding for perfect coating of the reinforcement cages and an exact filling level with concrete
- Production “under floor”, because of noise emission and isolation of vibrations occurring during production
- High dimensional accuracy of the end products by transporting the fresh products in the outer mould to1BC0042moulding area
- One central hydraulic unit for essential machine functions, such as hydraulic ejection device, pressing and smoothing of spigot ends, etc.
- SmartParts for easy selection of BC00 required spare parts
- Intuitive machine control adapted to1BC00 operator









VARIANT
Production plant for large concrete pipes and box culverts

Depending on the configuration of the modular components of the VARIANT production plant, concrete products with a nominal diameter of DN 300 up to a maximum external dimension of 6000 mm can be compacted and manufactured. The maximum overall height of the products must be selected according to the specific product (max. 3.5 m). The total weight of the fresh products including mould equipment is limited by the load capacity of the crane equipment. 4 sizes available as single- or double plant.
(Optionally with contour control for the production of non-circular concrete products)

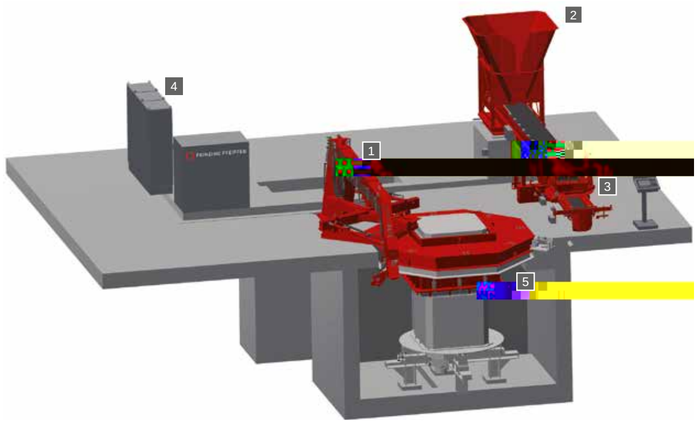
TECHNICAL DATA

VARIANT	1500	2500	3600	6000
Minimum product inner diameter circular and square	300 mm (800 x 800 mm)			1600 mm (1500 x 1500 mm)
Maximum product inner diameter circular and square	1500 mm (1400 x 1400 mm)	2500 mm (2000 x 2000 mm)	3600 mm (3000 x 3000 mm)	5500 mm (4200 x 4200 mm)
Maximum product outer diameter circular and square	1800 mm (1700 x 1700 mm)	3100 mm (2400 x 2400 mm)	4200 mm (3500 x 3500 mm)	6000 mm (4700 x 4700 mm)
Maximum overall height	3500 mm (Standard 2500 mm)	3500 mm (Standard 2500 mm)	3500 mm (Standard 2500 mm)	2500 mm
Can be extended with handling systems	Yes			

OPTIONAL EXTENSIONS FOR THE VARIANT

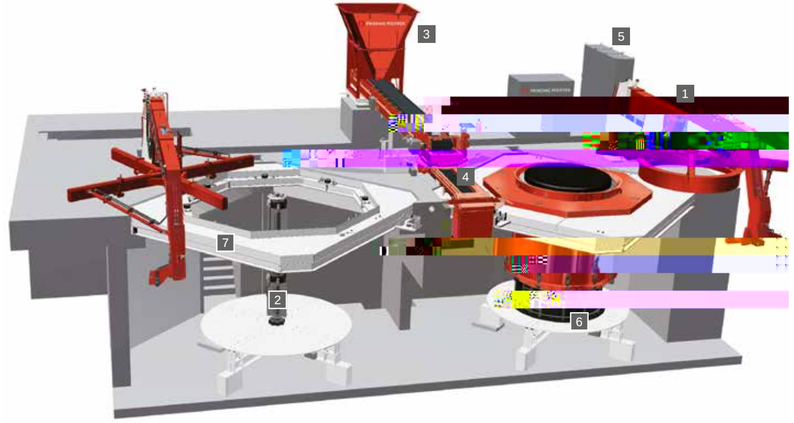
- Contour control for the production of non-circular products (e. g. box culverts, egg-shaped pipes, U-profiles, etc.)
- Adjustable supporting frames and modular outer moulds and base pallets for the production of box culverts in a wide range of nominal widths.
- Automatic swiveling and locking of the press portals and the concrete feeding
- Demoulding device for bridging the static friction
- Frequency-controlled central vibrators
- Data analyzer and reporting to provide all relevant production data and statistics
- Smart Check for regular and professional inspection of your system

For more Details



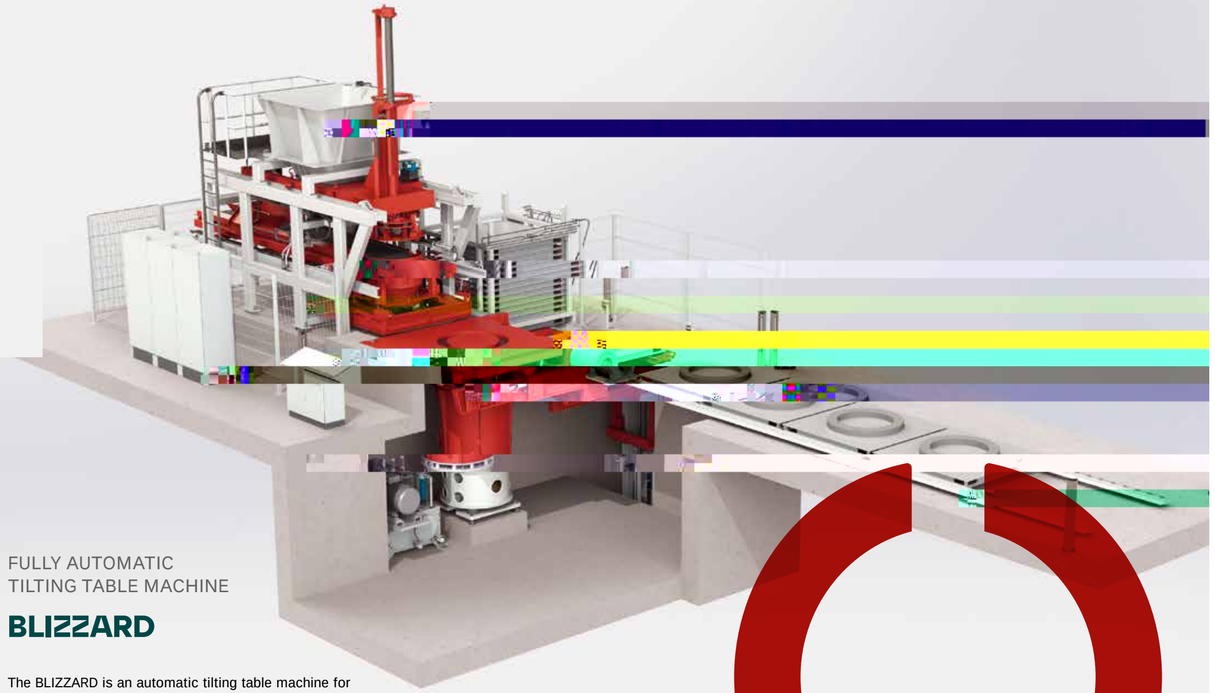
VARIANT 2500 E

1. Portal
2. Concrete feeding unit
3. Gap feeding unit
4. Control cabinet
5. Mould equipment



VARIANT 3600 D

1. Portal
2. Central vibrator
3. Concrete feeding unit
4. Gap feeding unit
5. Control cabinet
6. Mould equipment
7. Mould fxation frame



FULLY AUTOMATIC
TILTING TABLE MACHINE

BLIZZARD

The BLIZZARD is an automatic tilting table machine for the stationary production of a wide variety of products. The turning process allows products to be manufactured automatically and cost-effectively.

The BLIZZARD is very well suited for the production of

PRODUCTS FOR SEWERAGE


seating rings


manholes


manhole bases


rectangular manholes


rectangular manhole base units

Products for sewerage


roof drainage shafts (F)


drainage channels


U-channels

Products for power supply ducts and telecommunication


cable channels


cable distribution boxes


covers for cable distribution boxes


cable channel covers

Other concrete products


retaining walls


cattle slats


paving slabs

HIGHLIGHTS OF THE BLIZZARD

- Automatic machine for the production of concrete elements using the turning process
- One-man operation for the entire system including fully automatic curing rack system and integrated stacking system
- Quick product change by exchanging the mould equipment (within 15 min)
- Hydraulic mould clamping
- Overhead production without base pallets and demoulding directly on steel pallets enables short cycle times
- No wear on pallets during the compaction process
- Frequency-controlled vertical and load vibrators
- SmartParts for easy selection of the required spare parts
- Intuitive machine control adapted to the operator





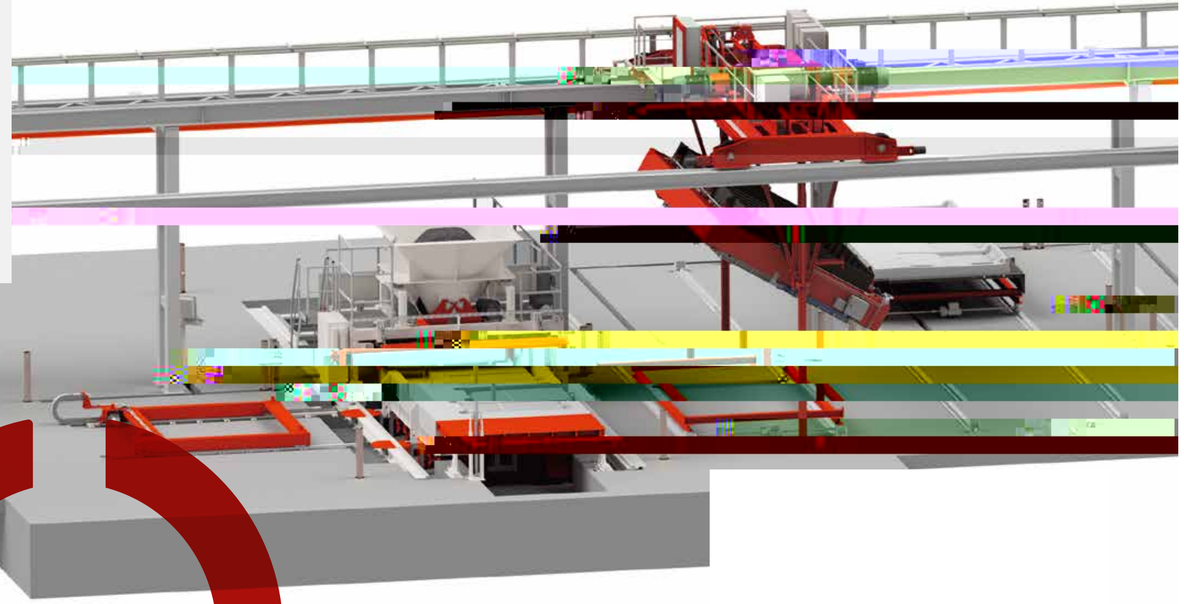






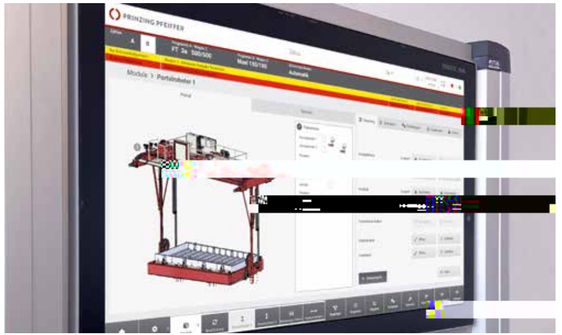
- Fully automatic handling system through to product packaging
- Frequency-controlled vertical and load vibrators
- Automatic application of release agent to reduce adhesion of the concrete to the mould
- Cleaning station for cleaning steel pallets
  - Automatic application of release agent to the steel pallets
- Data analyser and reporting to provide all relevant production data and statistics
  - Semi-automated mould changing device
- Semi-automated mould changing device
- Soundproof cabin to reduce noise pollution
- Smart Check for regular

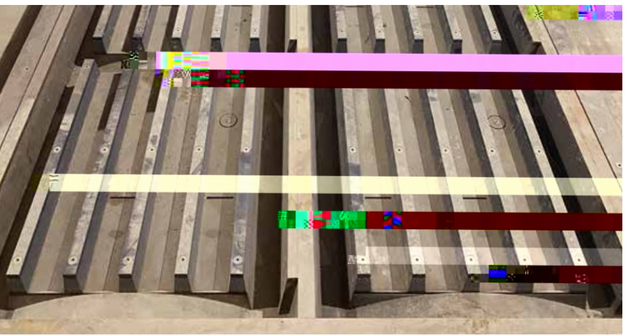














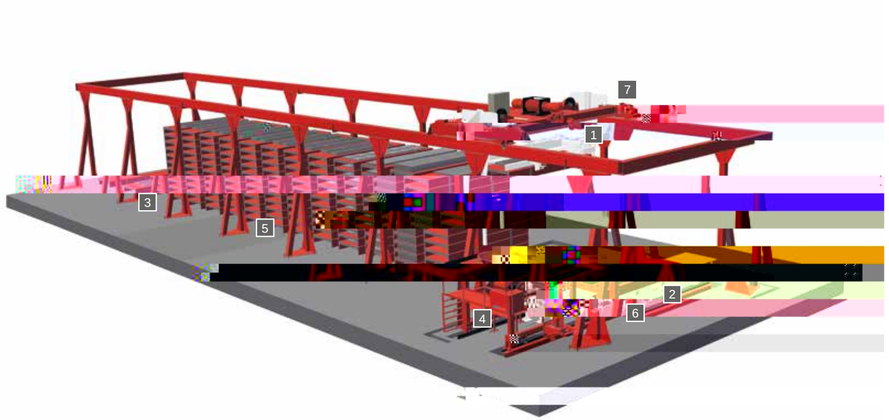
TECHNICAL DATA

ZELUS	400/25	500/20	600/30
Production area	4100 x 1300 mm	4700 x 3000 mm	6000 x 3000 mm
Maximum height	250 mm	180 mm	300 mm
Maximum product weight	1000 kg	4000 kg	10000 kg
Can be extended with handling systems	Yes		
SCC version available	Yes		

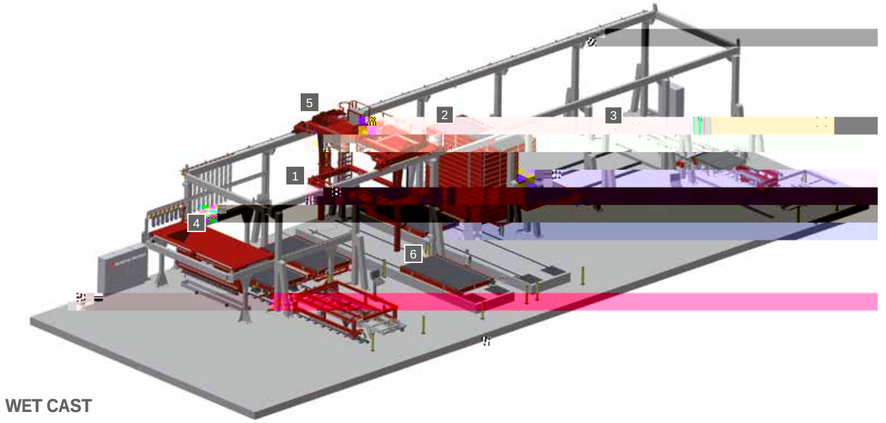
OPTIONAL EXTENSIONS FOR THE ZELUS

- Smoothing device to improve the quality of the product surface
- Frequency-controlled vertical and load vibrators
  - Fully automatic circulation handling (moulds and products)
  - Automated destacking of finished products
  - Extension of bypasses enables mould preparation outside the crane area
- Data analyzer and reporting to provide all relevant production data and statistics
- Smart Check for regular and professional inspection of your system

For more Details

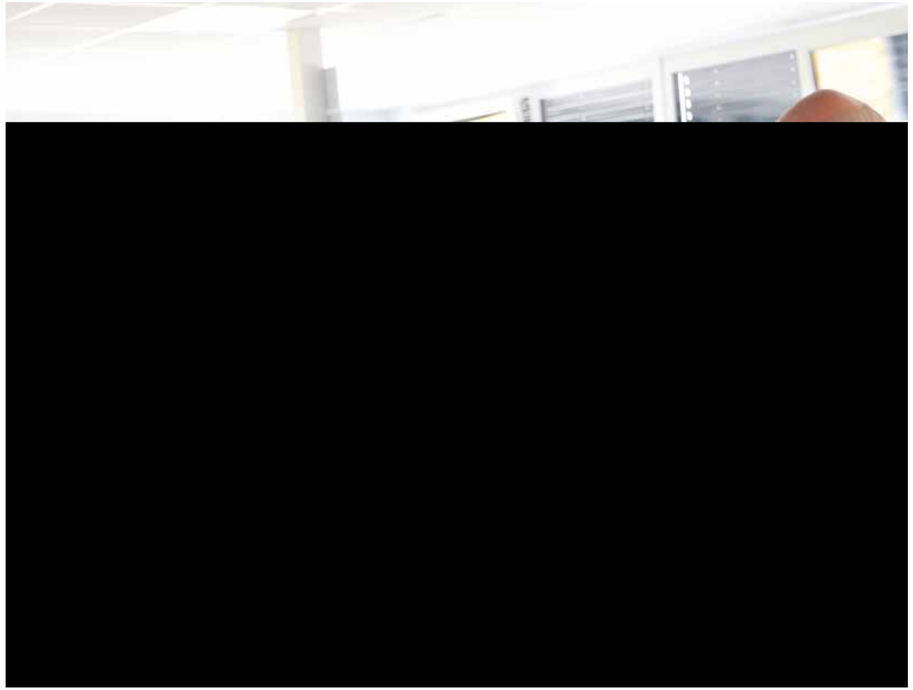


ZELUS 400/25



ZELUS 500/20 - WET CAST

1	M



CUSTOMIZED SOLUTIONS FROM ONE SOURCE

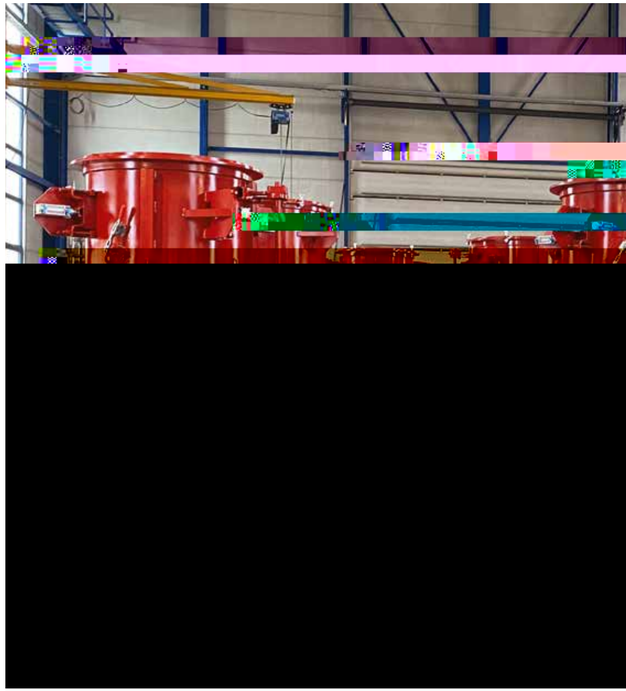
YOUR PLUS - MOULDS AND FORMWORK

- Over 160 years of experience in the development, design and manufacture of concrete moulds and formwork for the production of precast concrete parts for wet-cast processes or dry-cast processes with earth-moist concrete mixtures.
- Excellent market knowledge and many years of experience.
- MSM Formenbau in Langenhahn (Rhineland-Palatinate) with over 30 well-trained employees is your competent partner for sophisticated large steel moulds, special moulds and equipment for the precast concrete industry.
- MSM can design and manufacture moulds for third-party machines, taking into account the specific properties of the third-party products.

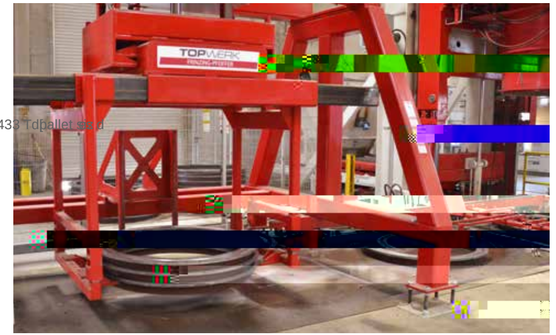


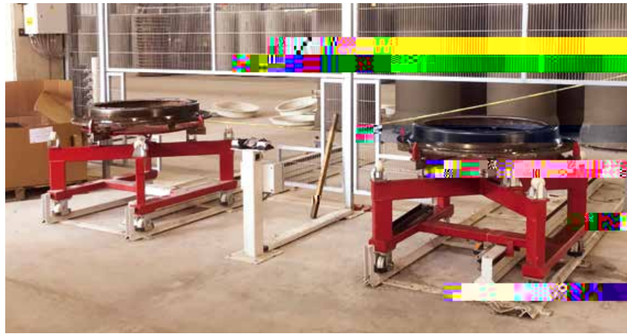


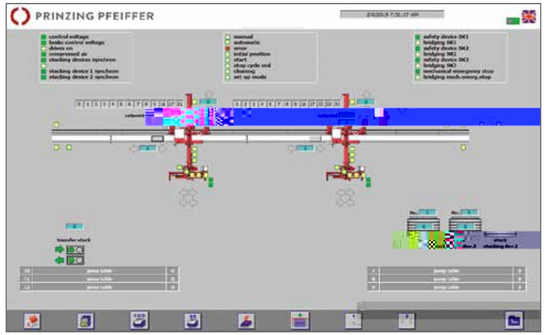


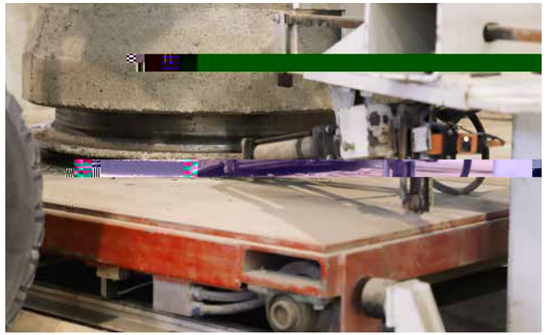


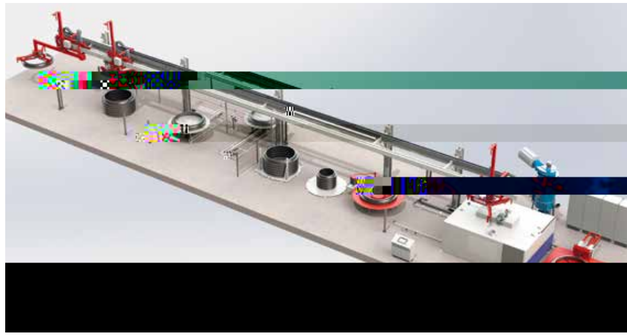
- Modular design. Can be extended if required
- Can be usa4bniversally for a widef r2-0.(ange of machine types and d)]TJ27.8746 0 Td( )Tj-27.8746 -13433 Td[pallet sta d
- omation componentsd
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YOUR PLUS – TESTING LINES

FOR CONCRETE PIPES

PRINZING PFEIFFER offers modular pipe testing lines that can be expanded as required for the automatic finishing, testing and documentation of finished concrete pipes. They can be used independently as stand-alone solutions or integrated into complete production lines and can be designed to meet individual customer requirements at any time.

Depending on requirements and individual design, there are seven main areas for finishing, testing and documentation: Alignment, deburring, milling, vacuum testing, spigot end and straightness measurements, marking, buffering of tested concrete pipes.

ADVANTAGES OF OUR TESTING LINES FOR CONCRETE PIPES

- Modular design. Can be extended if required
- Can be used universally for a wide range of machine types and pallet sizes
- Use of high-quality automation components
- Logically thought-out sequence plan
- Increased productivity
- Documentation and provision of test results
- Automatic and manual export functions to O f ce programs
- Integrated fault diagnosis system
- Reduction of labour forces
- Improvement of working conditions







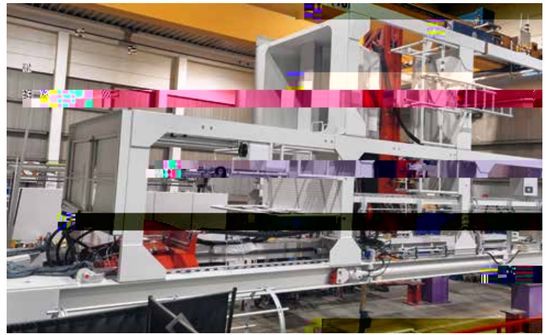
Most of PRINZING PFEIFFER's pipe and manhole machines are manufactured, tested and delivered from the German production location in Porta














PRINZING PFEIFFER
Funktionen > Sicherheit
Not-Aus
Home
Funktionen
Hydraulik
Sicherheit

AUTOMATION



PRODUcTION STATISTIcS –
HISTORICAL DATA ACQUISITION
AND REPORTS

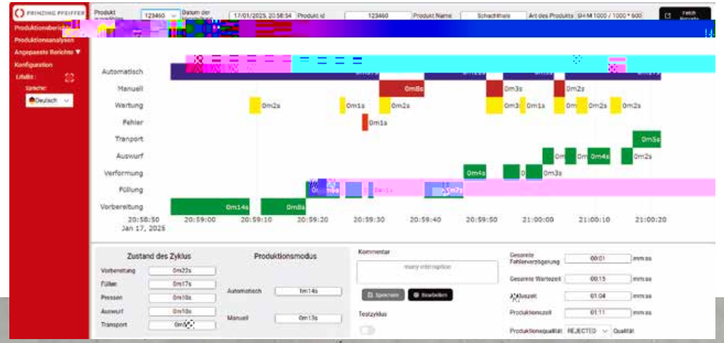
DATA ANALYZER

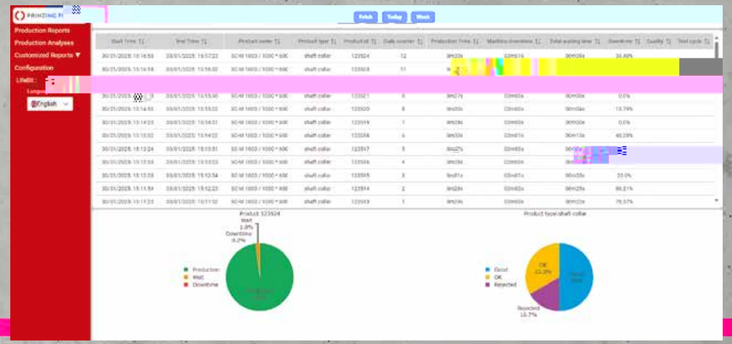
MODERN STATISTICS SOFTWARE FOR ALL REQUIREMENTS

Investing in new technologies is always an ambitious undertaking on the one hand, but also an opportunity on the other.

Our data acquisition and visualization software offer great advantages for established and future innovative pipe manufacturers.

Regardless of whether you need the current machine performance in tabular or visual form, want to call up the current system status (production, downtime, waiting time) in REAL TIME, or even want to view the chronological recording of all machine functions. All this data is available on demand and can be viewed, saved and processed on mobile devices such as smartphones, tablets or on the integrated PC for statistics.







THE ADVANTAGES OF DATA ANALYZER ARE:

- Real-time PLC data analysis
- Quickly detects and reacts to errors, downtimes and production delays
- Production summary
- Customized reports
- Long-term recording of data
- Secure web connection
- Connectivity with multiple PLC controllers possible
- Web-based, access from mobile devices and PCs



CONTROL SOFTWARE -
THE HEART OF EVERY SYSTEM

NEXT BASE

MACHINE SOFTWARE OF THE NEW GENERATION

The combination of state-of-the-art industrial software on SIEMENS TIA platform and web technologies offers a future-proof solution for automation. The new software and control system from PRINZING-PFEIFFER makes the entire environment more flexible and efficient. Additionally, it ensures effective and customer-friendly operability of our machines.

To ensure that our customers can continue to enjoy the benefits of our software in the future and are always stay up to date with the latest machine software in the field of digitalization & industrial automation, we have comprehensively modernized it for our machines and systems.



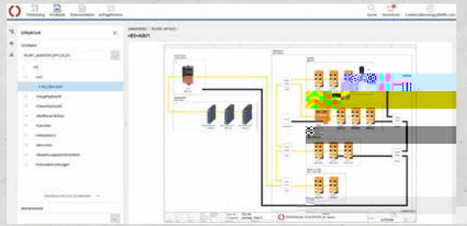
- More efficient automation of processes
- Intuitive and improved user-friendliness - clear navigation
- Better monitoring and control of process functions
- Lower service costs and less downtime - thanks to self-diagnosis
- Accessibility - device-independent (web-based) and ready for future technologies
- Integration with ERP systems (Smart Office-capable)
- Connectivity to devices and systems from manufacturers other than SIEMRP systems



AFTER SALES

SMART PARTS

YOUR ONLINE SOLUTION FOR S

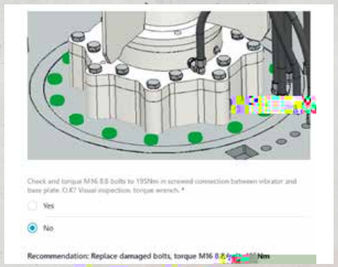


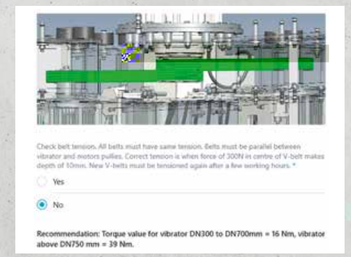


The innovative combination of extended 3D models and integrated interactive circuit diagrams makes it easier than ever to identify the mechanical and electrical components of your system. Your spare parts inquiries are sent to us online and you receive your individual spare parts offer immediately.

WHY SMARTPARTS?

- Available online, no installation required: access SmartParts directly via your browser - at any time and from any device.
- 360° view: view parts and components from any angle to capture every detail.
- 3D to 2D conversion with one click: save, print or share views as needed.
- Flexible view: choose between full or semi-transparent view to better understand complex assemblies.
- Precise part isolation: find the part you need quickly and easily with isolation and detailed breakdown.
- Detailed information at a glance: get comprehensive technical data for each selected part.





THE SINGLE SOURCE ORIGINAL SUPPLIER

Even after successful implementation, we will continue to support you with our full commitment through upgrades to your outdated system, expert advice on spare parts or customized support and training directly at your site. Our experienced team is always ready to take on new challenges and quickly find the right solution for you. Our digital products such as SmartParts and SmartCheck make ordering spare parts and maintaining your system even easier and more traceable, while ensuring that your machines always remain in perfect condition.





RETROFITS
IMPROVE YOUR PERFORMANCE

- Handling and testing equipment supply and integration: pallet handling and cleaning, product handling and testing
- Control system upgrades
- Safety system upgrades
- Equipment performance monitoring systems
- Hydraulic upgrades
- Electric upgrades



SPARE PARTS
PROMPT DELIVERY

- Comprehensive and competent advice on all questions related to optimum spare parts supply
- Offers are individually tailored to your requirements
- High quality genuine OEM spare parts
- Warranty



MOULDS

- Supply of new moulds for dry-cast and wet-cast concrete products
- Existing moulds repairs and maintenance
- Moulds upgrade with additional functions



TRAINING
TAILORED TO YOUR NEEDS

- Operator training, online and on site
- Service and maintenance training
- Process optimisation



SERVICE
YOUR PERSONAL CONTACT

- Planned service and maintenance
- Service agreements
- Online support

OUR
SALES TEAM



Alexander Probst Alex Area Sales A





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