



MACHINES AND MOULDS

FOR THE PRODUCTION OF
PIPES, MANHOLES AND
PRECAST CONCRETE ELEMENTS

Leading with Innovation,
inspired by Tradition
since 1862



OUR COMPANY

WHO IS PRINZING PFEIFFER?

Our passion is to develop innovative solutions for your daily challenges in the area of concrete pipes, manholes and precast concrete elements.

With our 160+ years of experience we have the necessary expertise.



INTERNATIONAL

PRINZING PFEIFFER AROUND THE GLOBE

As part of the TOPWERK GROUP PRINZING PFEIFFER is represented around the world by a network of legal entities.



For more Details:

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
MISSION

At PRINZING PFEIFFER, we are dedicated to pioneering innovation in the machinery industry while preserving our rich heritage since 1862. Our mission is to continuously set new standards in the production of concrete products through cutting-edge technology, exceptional quality, and tireless commitment to our customers worldwide. We aim to lead with integrity, foster sustainable practices, and drive progress through our expertise and passion for excellence.

Product

Our commitment to quality, innovation and speed is evident in each of our products. We offer customized solutions that are perfectly tailored to your needs. Our aim is to deliver a future-proof, user-friendly and efficient product that meets the highest quality standards and impresses with innovative approaches.

Service

Our comprehensive range of services and innovative digital products helps to ensure that your machines and systems always function optimally. Whether retrofits, spare parts advice or customer consultations on site – our trained staff is available for you at all times. With SmartParts and SmartCheck we offer you intelligent solutions in order to further increase your efficiency and reliability.

Project

Professional project management is the key to your success. With our focus on communication, meeting deadlines and speed, we ensure that your projects run smoothly and efficiently.

Development

PRINZING PFEIFFER offers you the most innovative products on the market, whether through new machines or the modernization of your existing machines through retrofits. Our engineers work tirelessly to provide you with customized solutions.



successful
customer projects



Satisfied customers
in over 70 countries



employees take
care of the success
of your projects



Working for you
at 4 locations in
Germany



machines in use
worldwide



Retrofits, software
and service for your
existing plants

PRECAST CONCRETE ELEMENTS FOR INFRASTRUCTURE PROJECTS



TORNADO

High output manhole production machine



ATLAS

For cable channels; septic tanks and others



BLIZZARD

For channels; slabs and drainage products



VARIANT

For box culverts and large sized concrete pipes



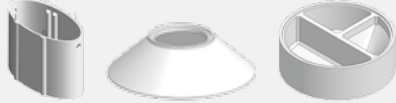
ZELUS

For cattle slats, slabs and other large format products



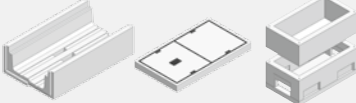
SEWERAGE

The sewerage system is a system in which the generated wastewater and/or rainwater is collected via various pipes and manholes and then conveyed to a sewage treatment plant or a receiving watercourse. The system is essential to prevent excessive pollution of rivers and bodies of water.



TREATMENT TECHNOLOGY AND RAINWATER HARVESTING

Where residential buildings, smaller settlements or even industrial plants cannot be connected to a municipal wastewater supply, concrete products from the wastewater treatment technology sector are a good choice. The collected wastewater is cleaned in an environmentally friendly way and can be returned to the natural water cycle.



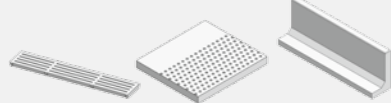
PRODUCTS FOR ENERGY SUPPLY AND TELECOMMUNICATIONS

To protect power or data cables from environmental influences and damages, tried and tested concrete cable channels are used in many areas of infrastructure. A wide variety of designs and sizes is available.



PRODUCTS FOR DRAINAGE

The safe collection and drainage of rainwater or rainwater from buildings, paved areas and traffic routes is becoming increasingly important due to climate change. Reliable and sustainable drainage products meet this requirement and ensure functional rainwater disposal.



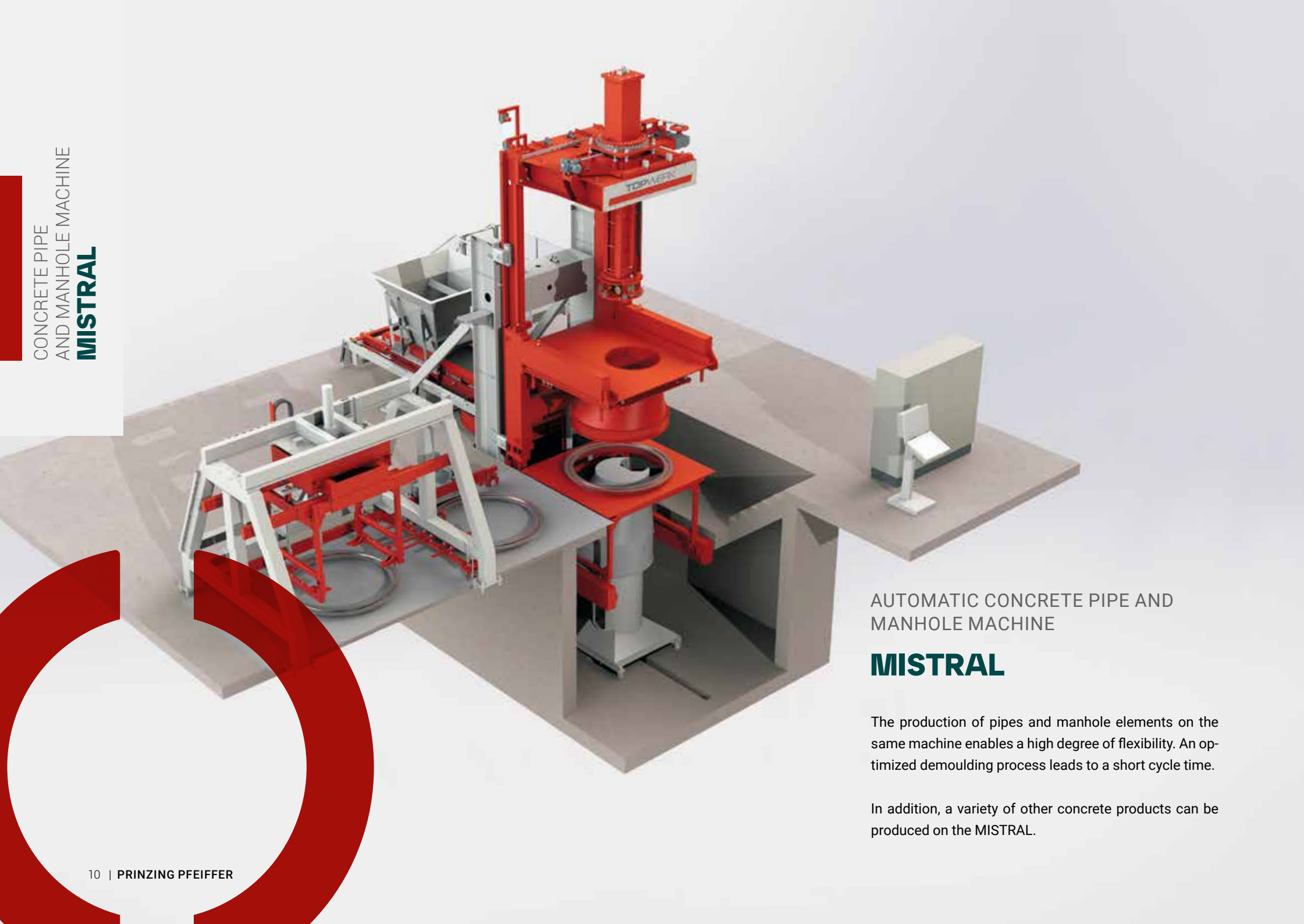
FLAT CONCRETE PRODUCTS

A wide variety of flat concrete products are used, particularly in the agricultural sector and in road and landscape construction. Particularly noteworthy are the large-format cattle slats made of concrete, which are used in agricultural cattle slats floors. This is a widespread form of housing in conventional agriculture.



MACHINES AND MOULDS

FOR THE PRODUCTION OF PIPES, MANHOLES
AND PRECAST CONCRETE ELEMENTS



AUTOMATIC CONCRETE PIPE AND MANHOLE MACHINE

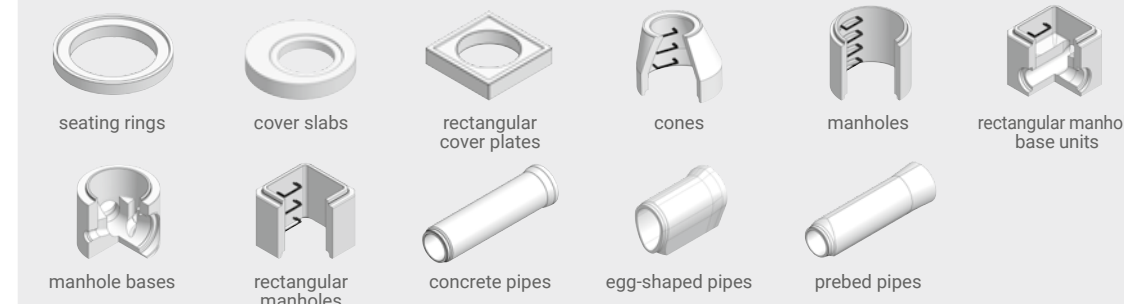
MISTRAL

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.

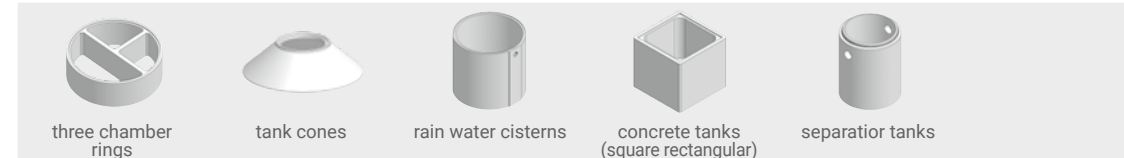
In addition, a variety of other concrete products can be produced on the MISTRAL.

The MISTRAL is very well suited for the production of

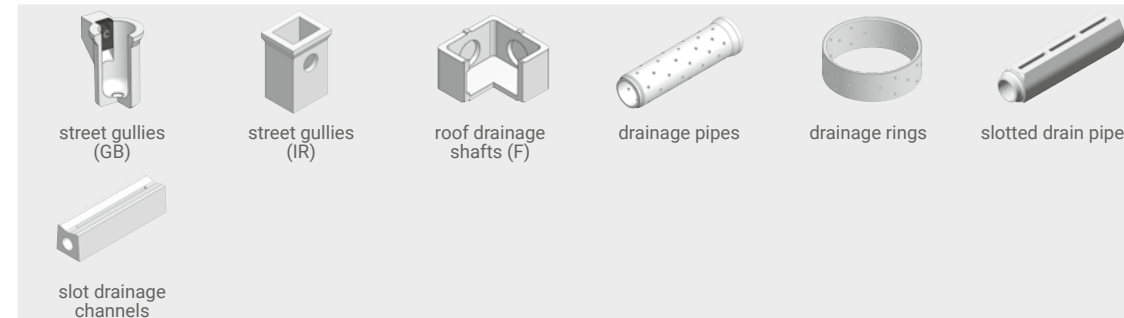
Products for sewerage



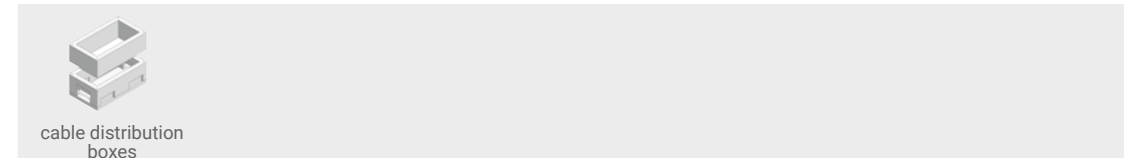
Products for sewage water treatment and rainwater utilization system



Products for drainage

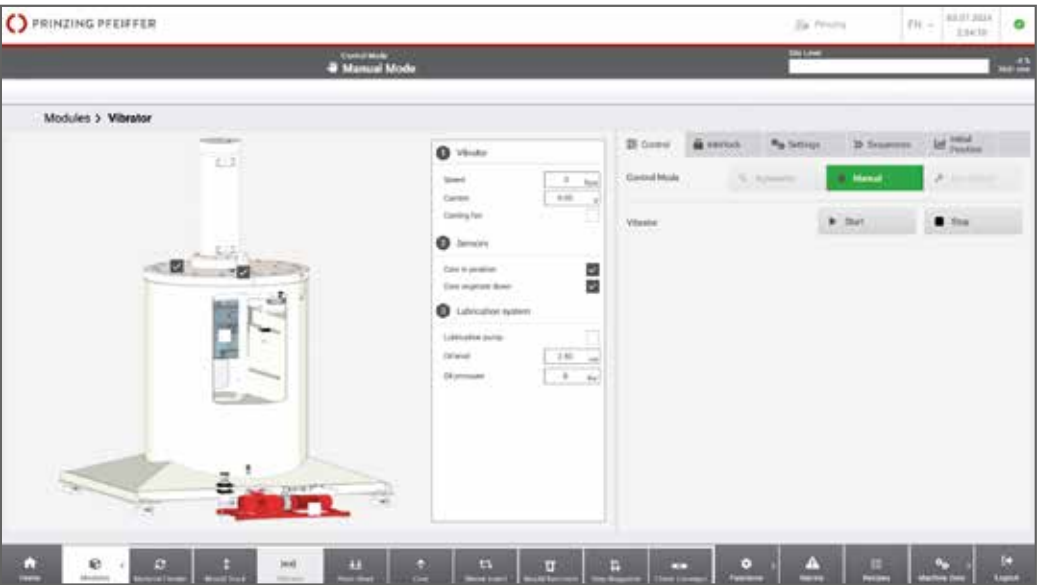


Products for power supply ducts and telecommunication



MISTRAL HIGHLIGHTS

- Flexible, automatic machine for the production of concrete pipes, manhole elements and other concrete products up to length 2.5 m.
- Patented GEBA process:
 - Exact height of the products
 - Precisely metered concrete application
 - Homogeneous concrete compaction
 - Less wear on mould and machine
 - Reduction in cycle time
- Short cycle times because of automatic demoulding in the machine, facilitated by a special demoulding process
 - Optimized mould change processes enable quick changeover between products
- Central vibrator with oil lubrication for more precise compaction in the shaft area by higher speed (rpm)
- Frequency-controlled tamper vibration for precise final spigot end forming
- Consistent surface quality thanks to additional frequency-controlled compaction of the spigot end
- The special design enables the addition of handling systems from three sides
- SmartParts for easy selection of the required spare parts
- Intuitive machine control adapted to the operator



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



TECHNICAL DATA

MISTRAL	150/250	200/250
Minimum product inner diameter	250 mm	
Maximum product outer diameter, circular and square	1850 mm (1300 x 1300 mm)	2300 mm (1620 x 1620 mm)
Maximum overall height	2500 mm	
Maximum product weight	8000 kg	
Can be extended with handling systems	Yes	



TORNADO AUTOMATIC CONCRETE PIPE AND MANHOLE MACHINE

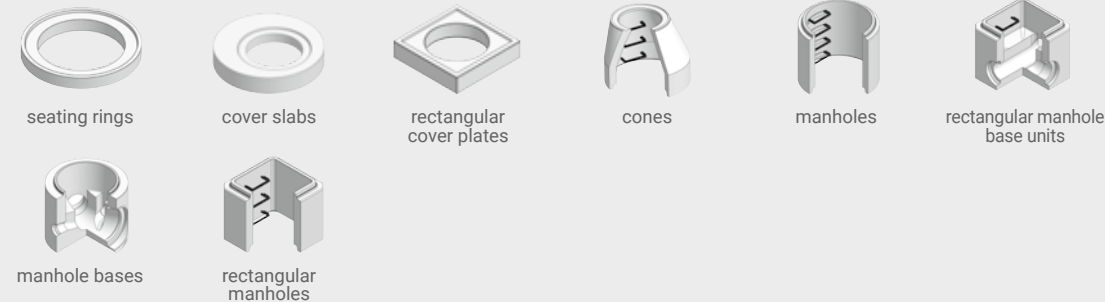
TORNADO

The TORNADO is a vibration machine for the production of manholes and related precast concrete elements.

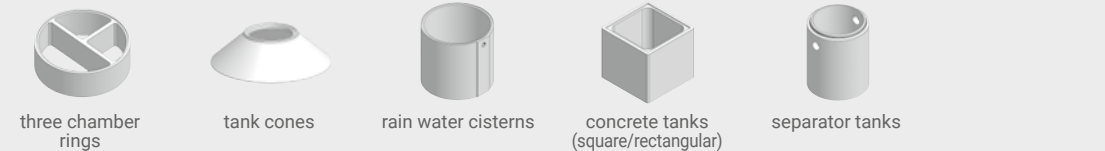
The basic version of the Tornado can be used to manufacture a wide range of products. The numerous optional extensions reduce manual work and simplify the production process.

The TORNADO is very well suited for the production of

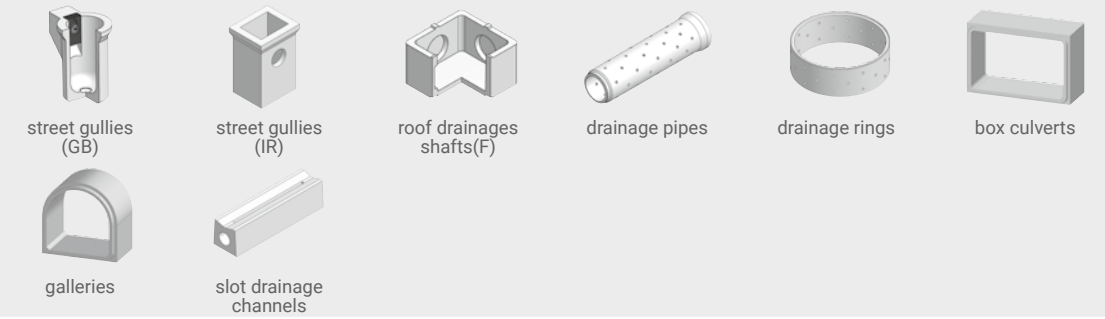
Products for sewerage



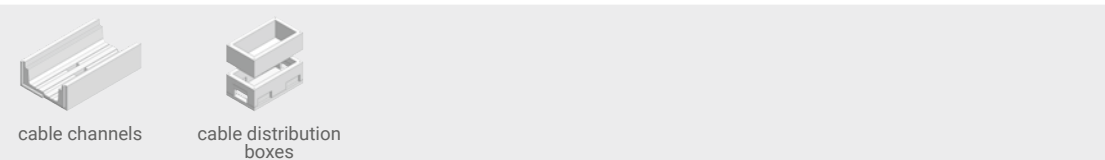
Products for sewage water treatment and rainwater utilization system



Products for drainage



Products for power supply ducts and telecommunication



TORNADO HIGHLIGHTS

- Patented GEBA process:
 - Exact height of the products
 - Precisely metered concrete application
 - Homogeneous concrete compaction
 - Less wear on mould and machine
 - Reduction in cycle time
- Short cycle times because of automatic demoulding in the machine, facilitated by a special demoulding process
- Optimized mould change processes enable quick changeover between products
- Central vibrator with oil lubrication for more precise compaction in the shaft area by higher speed (rpm)
- Frequency-controlled tamper vibration for precise final spigot end forming
- Consistent surface quality thanks to additional frequency-controlled compaction of the spigot end
- One central vibrator/vibration table for all sizes
- The special design enables the addition of handling systems from three sides
- SmartParts for easy selection of the required spare parts
- Intuitive machine control adapted to the operator



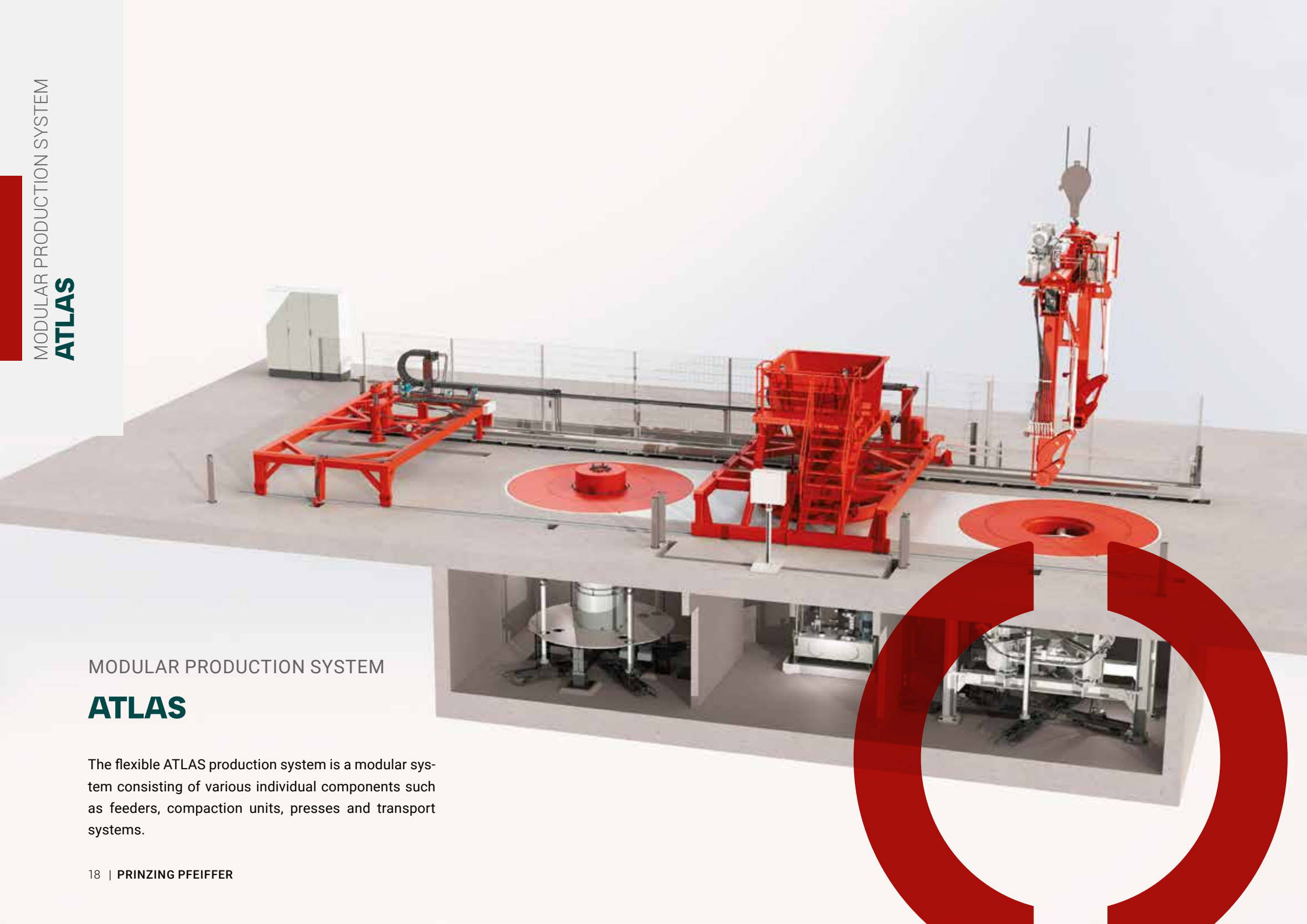
OPTIONAL EXTENSION FOR THE TORNADO

- 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



TECHNICAL DATA

TORNADO	150/150	200/150	250/150
Minimum inner product diameter	250 mm		
Maximum product outer diameter, circular and square	1850 mm (1300 x 1300 mm)	2300 mm (1620 x 1620 mm)	2900 mm (2050 x 2050 mm)
Maximum overall height	1500 mm		
Maximum product weight	5000 kg		
Can be extended with handling systems	Yes		



MODULAR PRODUCTION SYSTEM
ATLAS

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

EXTENSION OPTIONS FOR ATLAS

- Semi-automatic control
- Compaction by frequency-controlled central vibrator or vibration table
- Hydraulic mould clamping
- Manhole base production with turning device
 - Twin station production
- Data analyzer and reporting to provide all relevant production data and statistics
- Smart Check for regular and professional inspection of your system

TECHNICAL DATA

ATLAS	200/100	200/250	350/300
Minimum internal product diameter	250 mm		
Maximum product outer diameter circular and square	2300 mm (1620 x 1620 mm)	2300 mm (1620 x 1620 mm)	3800 mm (2680 x 2680 mm)
Maximum overall height	1000 mm	2500 mm	3000 mm
Maximum product weight	5000 kg		8000 kg
Can be extended with handling systems	Yes		

ATLAS HIGHLIGHTS

- Flexibility through modular extensions
 - Modular system concept
- Single or double production
- Lower investment costs compared to automatic machines
- Central vibrator with oil lubrication for more precise compaction in the shaft area by higher speeds (rpm)
 - Demoulding of the products at the curing area increases product quality
- SmartParts for easy selection of the required spare parts
- Intuitive machine control adapted to the operator

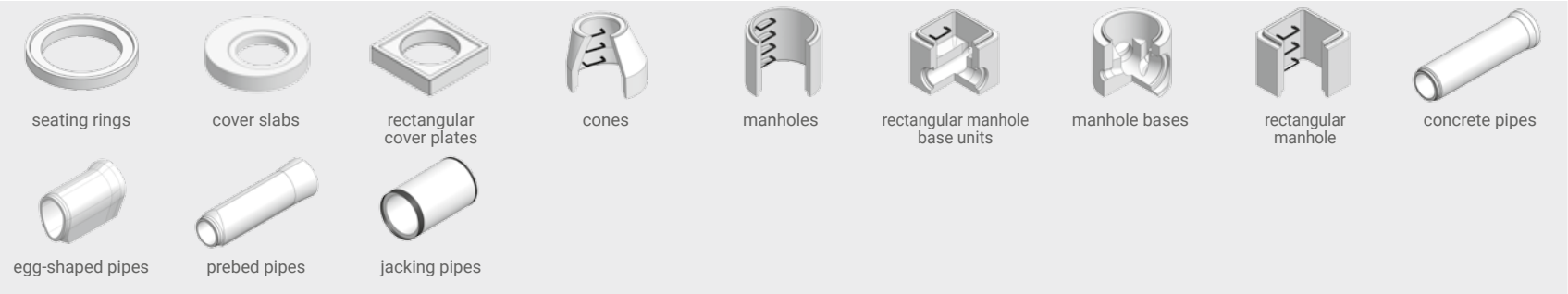


For more Details

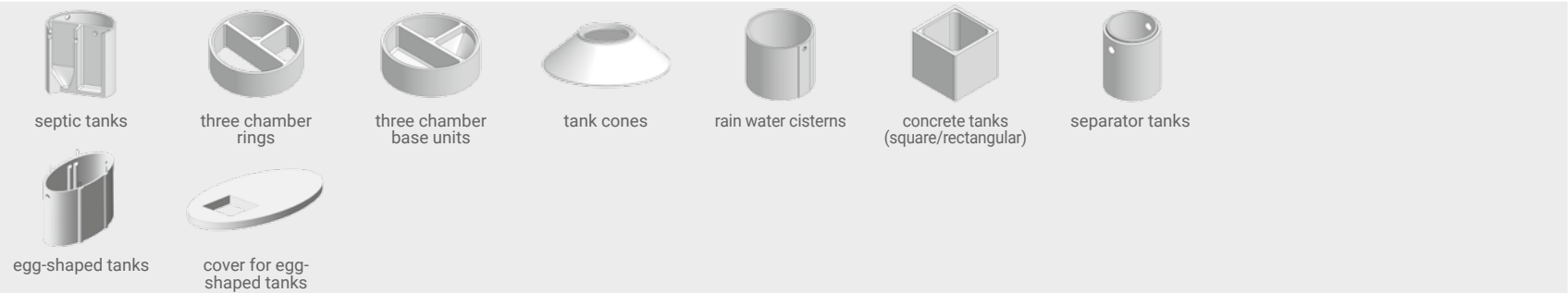


The ATLAS is very well suited for the production of

Products for sewerage



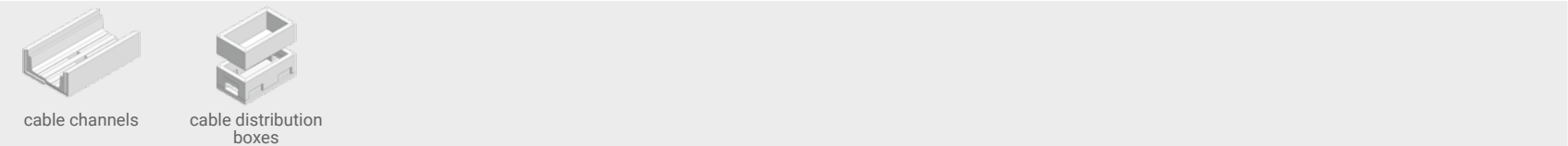
Products for sewage water treatment and rainwater utilization

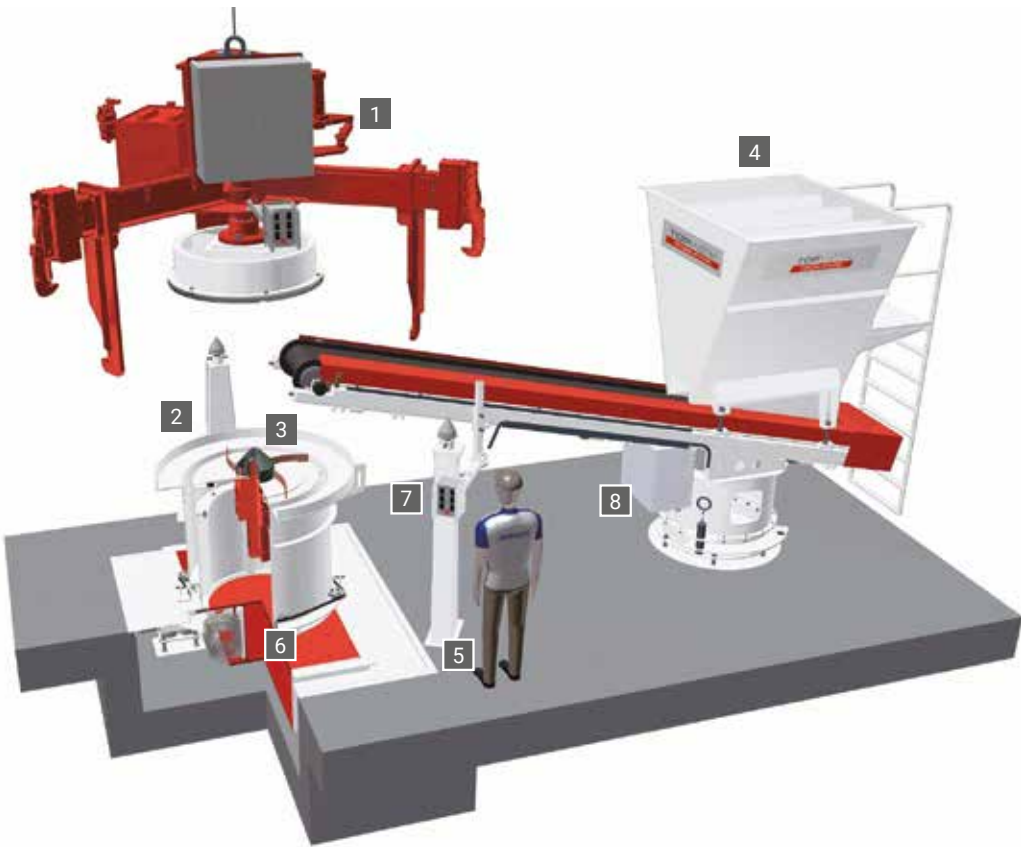


Products for drainage



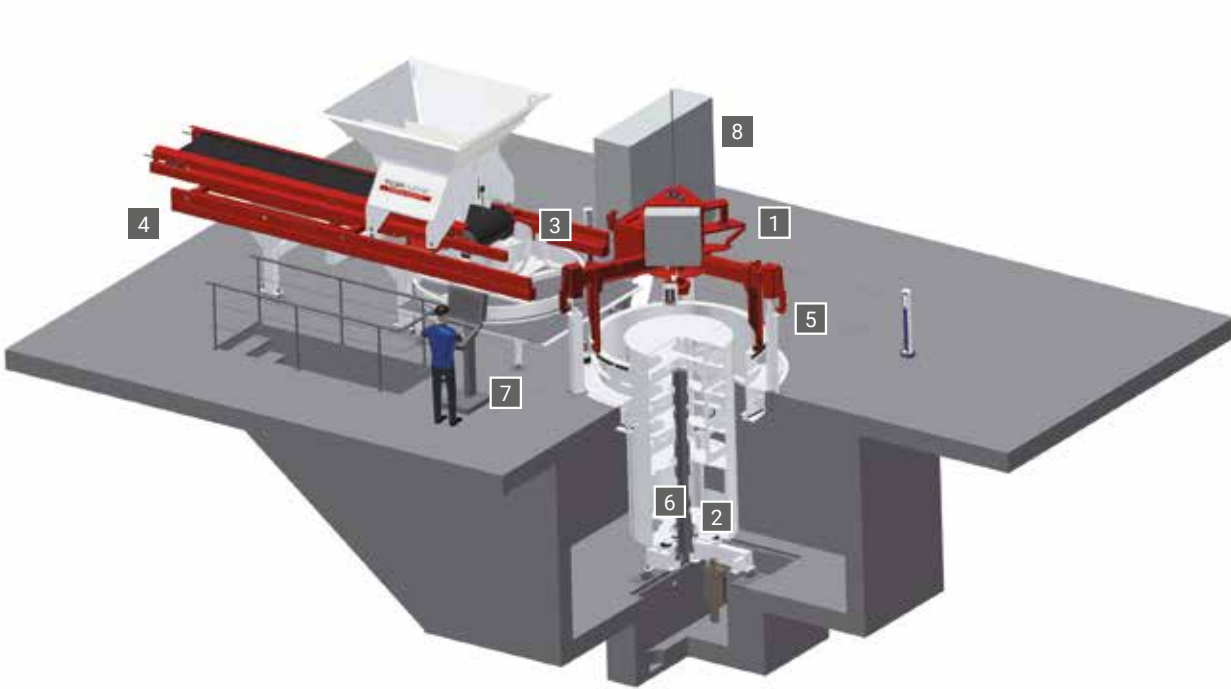
Products for power supply ducts and telecommunication





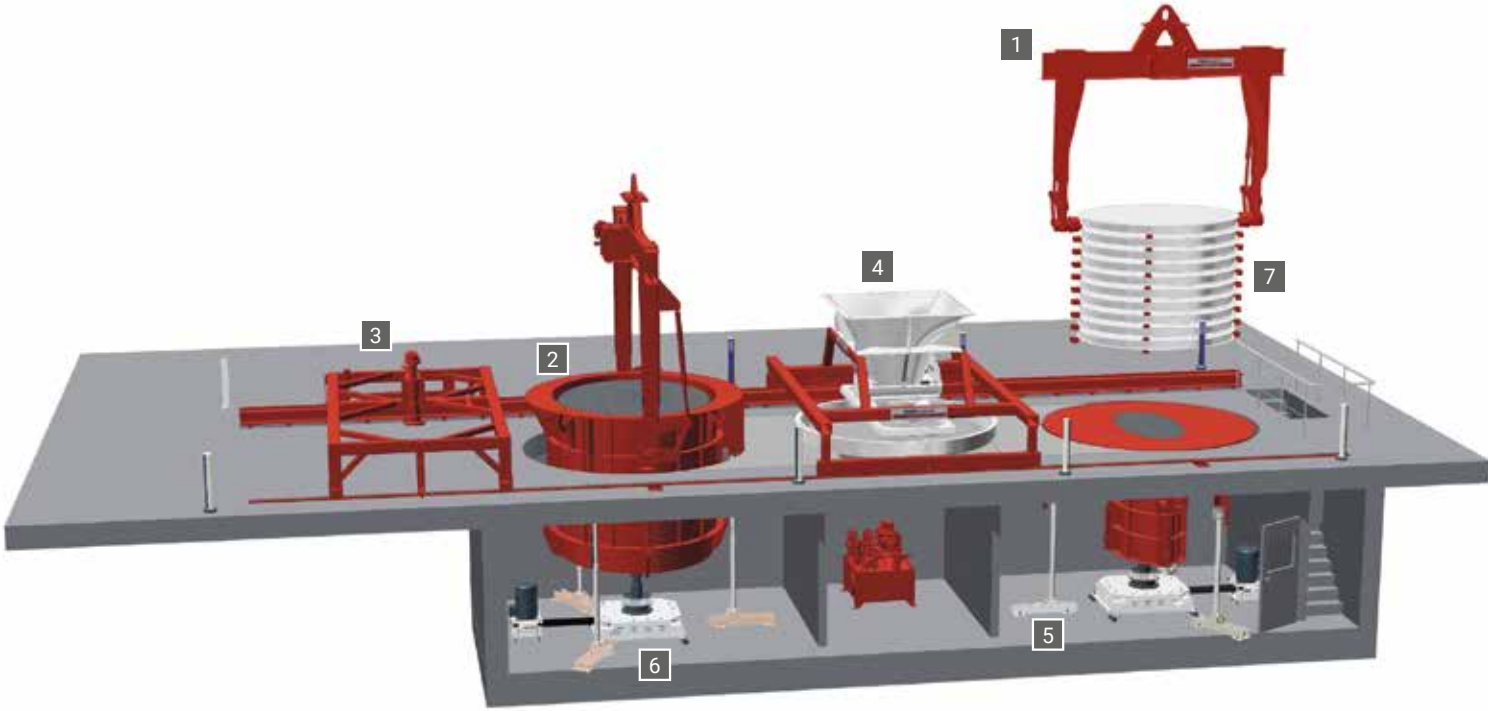
ATLAS 200/100

1	Lifting harness with press
2	Mould equipment
3	Distributor
4	Feeding unit
5	Supports for lifting harness
6	Vertical vibrator
7	Control panel
8	Control cabinet



ATLAS 200/250

1	Lifting harness with press
2	Mould equipment
3	Distributor
4	Feeding unit
5	Supports for lifting harness
6	Central vibrator
7	Control panel
8	Control cabinet



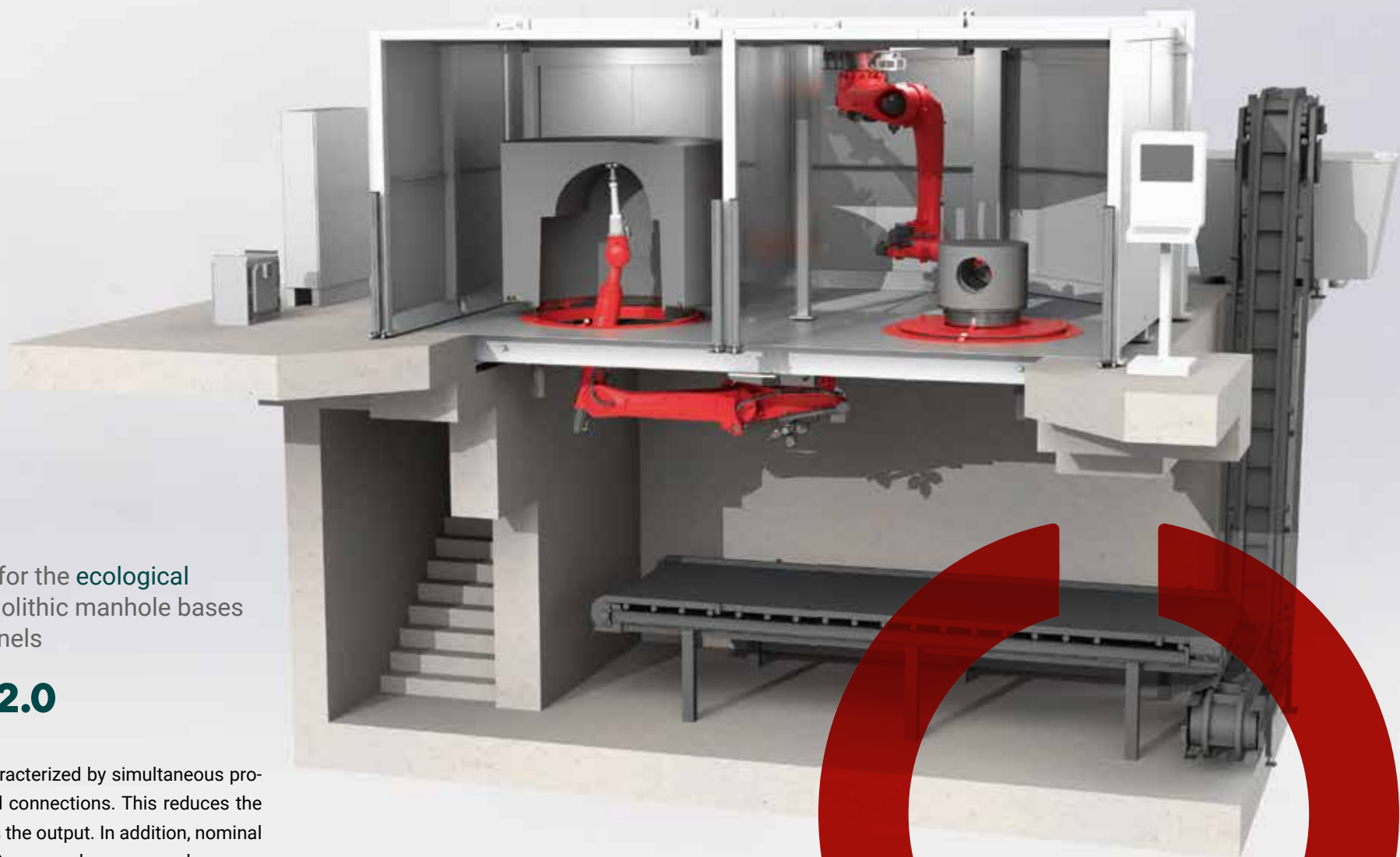
ATLAS 350/300

1	Turning device
2	Mould equipment
3	Linear press
4	Feeding unit
5	Ejection device
6	Central vibrator
7	Steel pallets

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

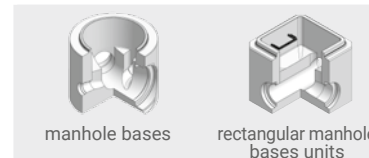
PRIMUSS 2.0

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.

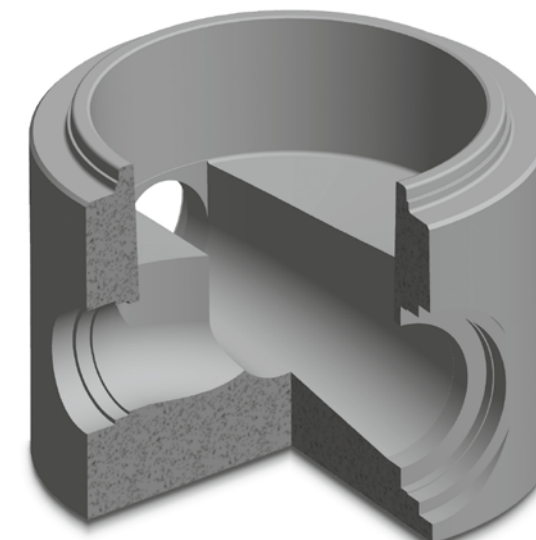
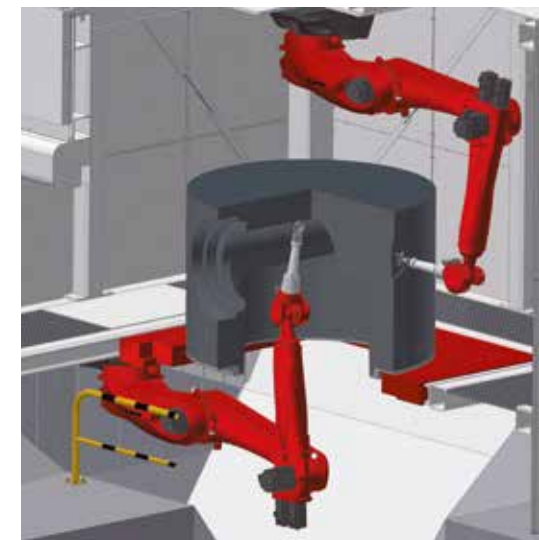


The PRIMUSS 2.0 is very well suited for the production of

Products for sewerage

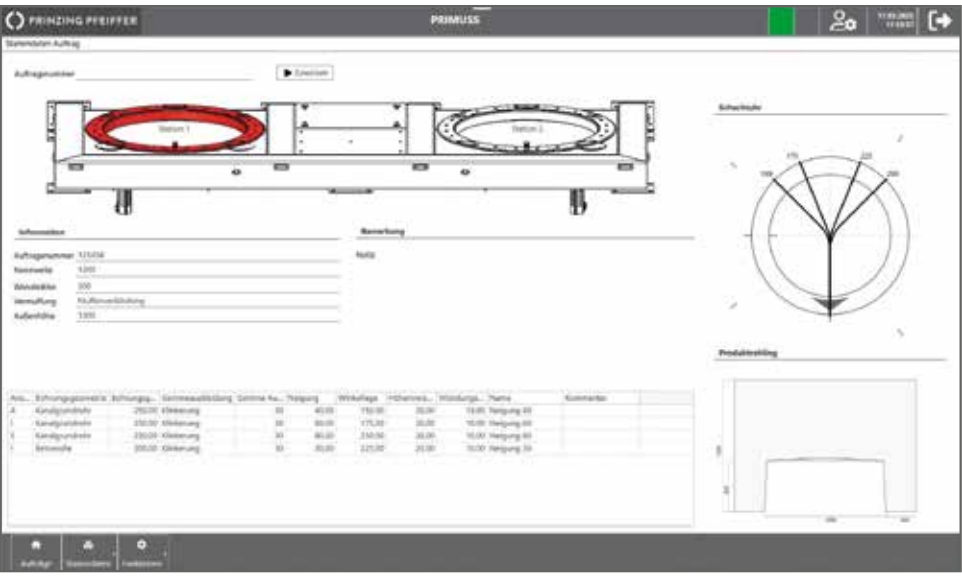


PRIMUSS
Monolithic manhole bases with varying channels



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



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



TECHNICAL DATA

	PRIMUSS	PRIMUSS 2.0
Minimum internal product diameter	600 mm	
Maximum product outer diameter, circular and square	1800 mm (1200 x 1200) mm	2200 mm (1500 x 1500) mm
Maximum construction height	1450 mm	1700 mm
Maximum product weight	5000 kg	12500 kg
Can be extended with handling systems	Yes	

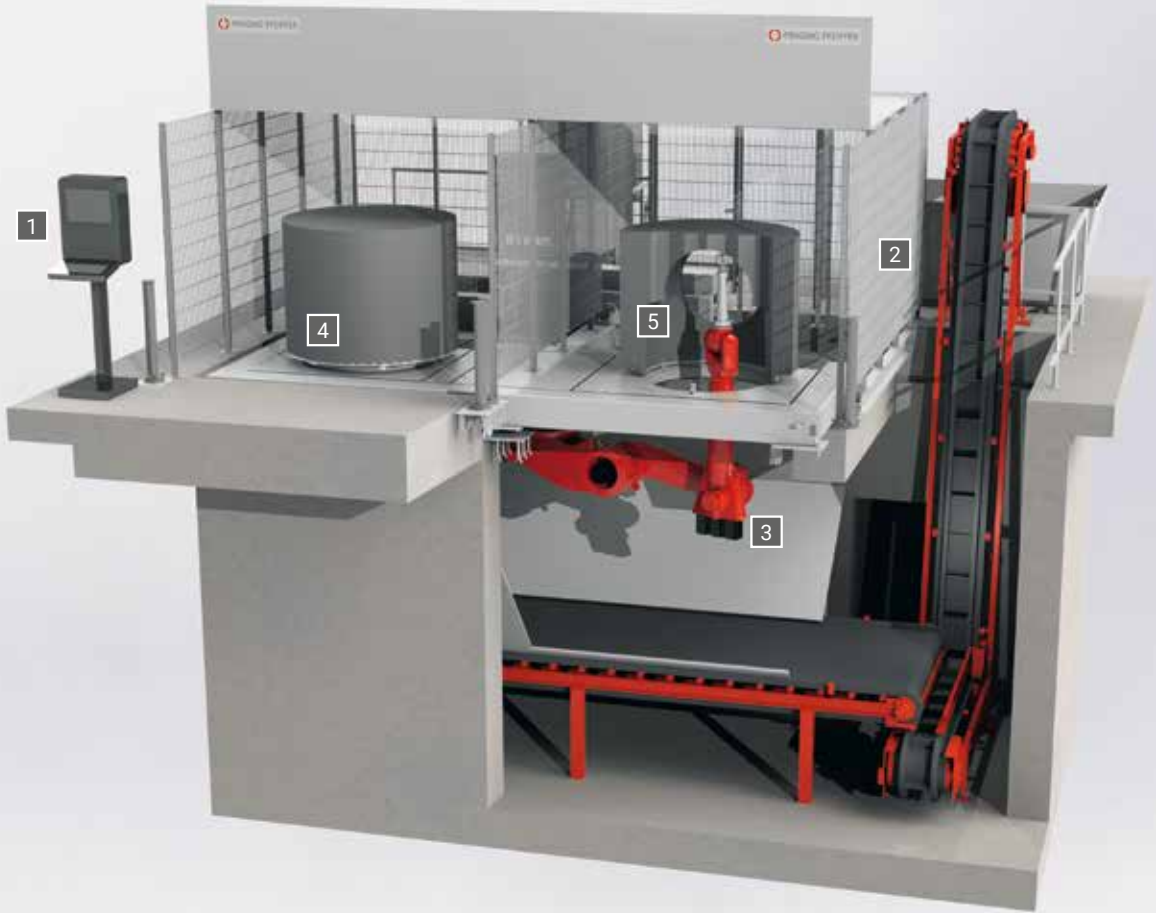
OPTIONAL EXTENSIONS FOR
THE PRIMUSS

- 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

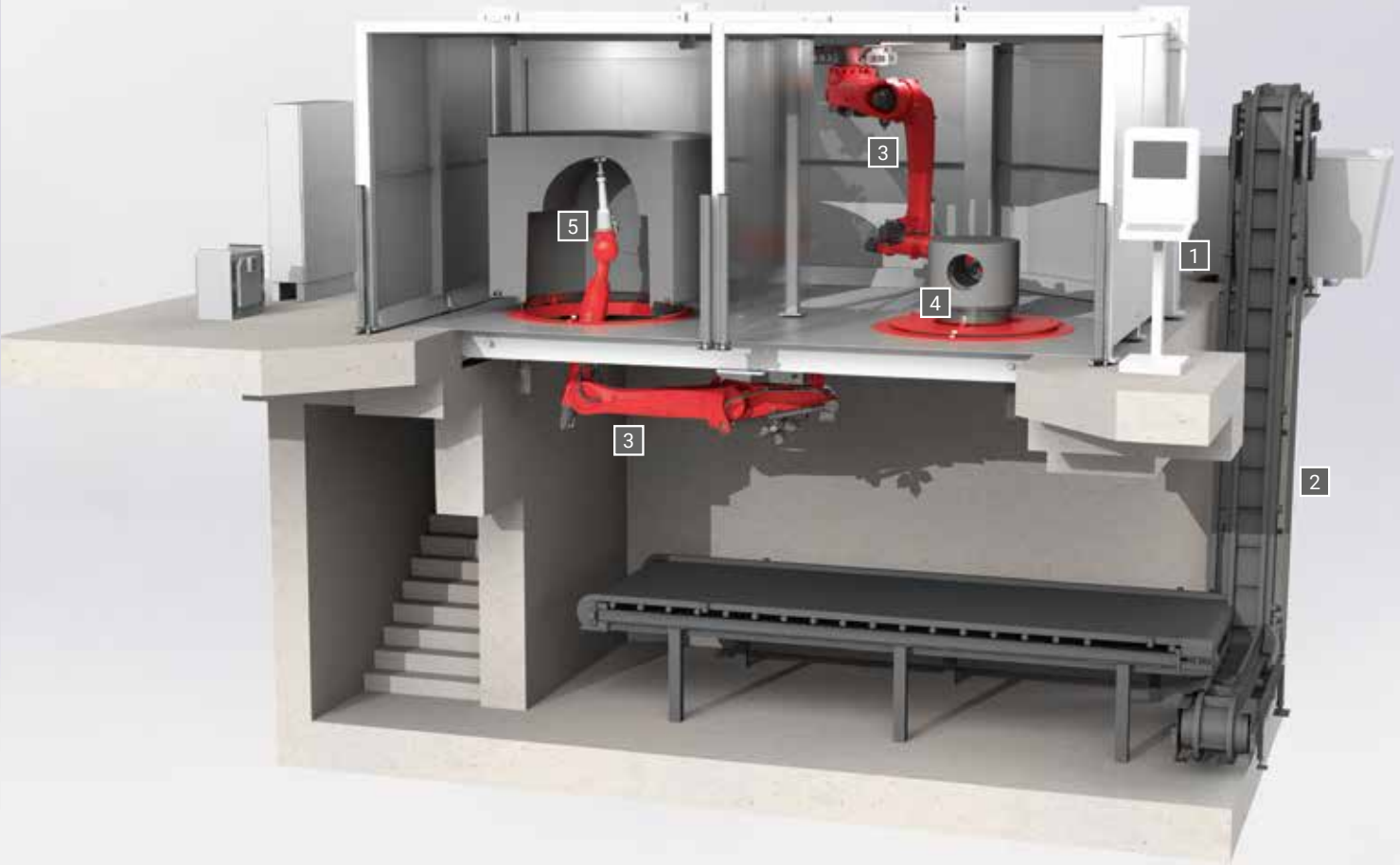
- | | |
|---|-----------------------------------|
| 1 | Control panel |
| 2 | Conveyor belt for milled material |
| 3 | Industrial robot |
| 4 | Milling station with turntable |
| 5 | Cutter |



PRIMUSS

PRIMUSS 2.0

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





FULLY AUTOMATIC SYSTEM FOR THE PRODUCTION OF CONCRETE PIPES

RADIAL PRESS RP

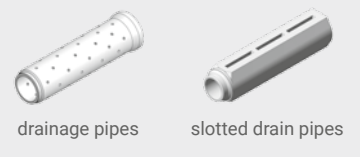
The Radial Press RP represents a significant innovation in the production of reinforced and non-reinforced concrete pipes. Its high production capacity and flexibility make it an invaluable resource for concrete factories worldwide. With the Radial Press RP, high-quality concrete pipes can be produced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

The RADIALPRESS RP is very well suited for the production of

Products for sewerage



Products for drainage



HIGHLIGHTS OF THE RADIAL PRESS RP

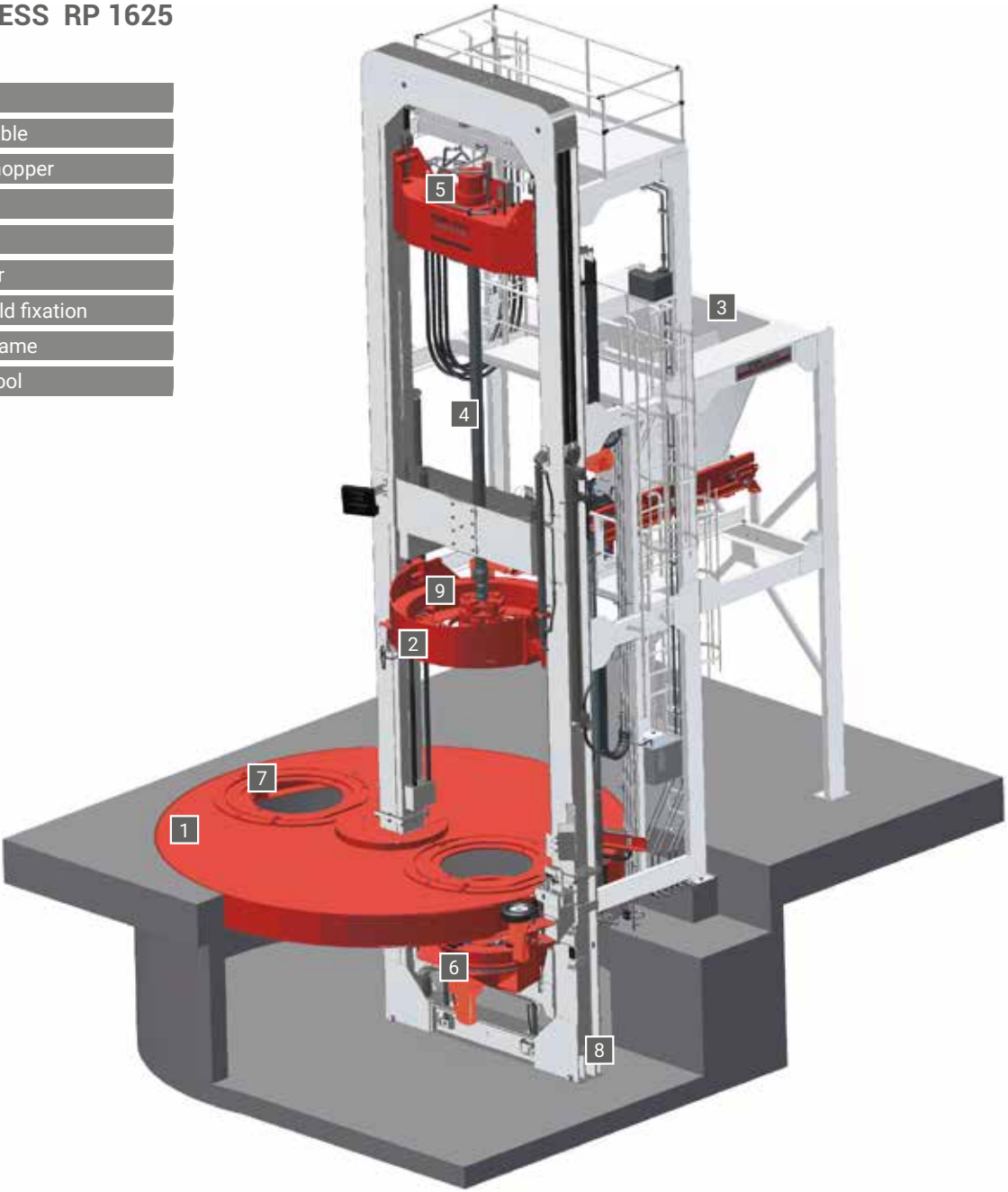
- Rotating compaction pressing tool, consisting of distributor head and press head, which rotate in opposite directions for stress-free compaction.
- Fully automatic compaction control system for homogenous compaction
- High flexibility by separately controllable drives for distributor head and press head
- High drive power for the production of thick-walled and/or double-reinforced pipes
- Continuous monitoring and documentation of the compaction effect
- Low foundation depth
- Shortest cycle times because of production with two outer moulds and turntable
- High dimensional accuracy of the end products by transporting the fresh product in the outer mould to the demoulding area
- SmartParts for easy selection of the required spare parts
- Intuitive machine control adapted to the operator

TECHNICAL DATA

RADIALPRESSE	RP 625	RP 630	RP 1225	RP 1230	RP 1235	RP 1625	RP 1630	RP 1635	RP 2025	RP 2030	RP 2035
Minimum product inner diameter	300 mm		300 mm			300 mm			600 mm		
Maximum product outer diameter	850 mm		1600 mm			2000 mm			2400 mm		
Minimum overall height	1000 mm		1000 mm			1000 mm			1000 mm		
Maximum overall height	2500 mm	3000 mm	2500 mm	3000 mm	3500 mm	2500 mm	3000 mm	3500 mm	2500 mm	3000 mm	3500 mm
Can be extended with handling systems	Yes										

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



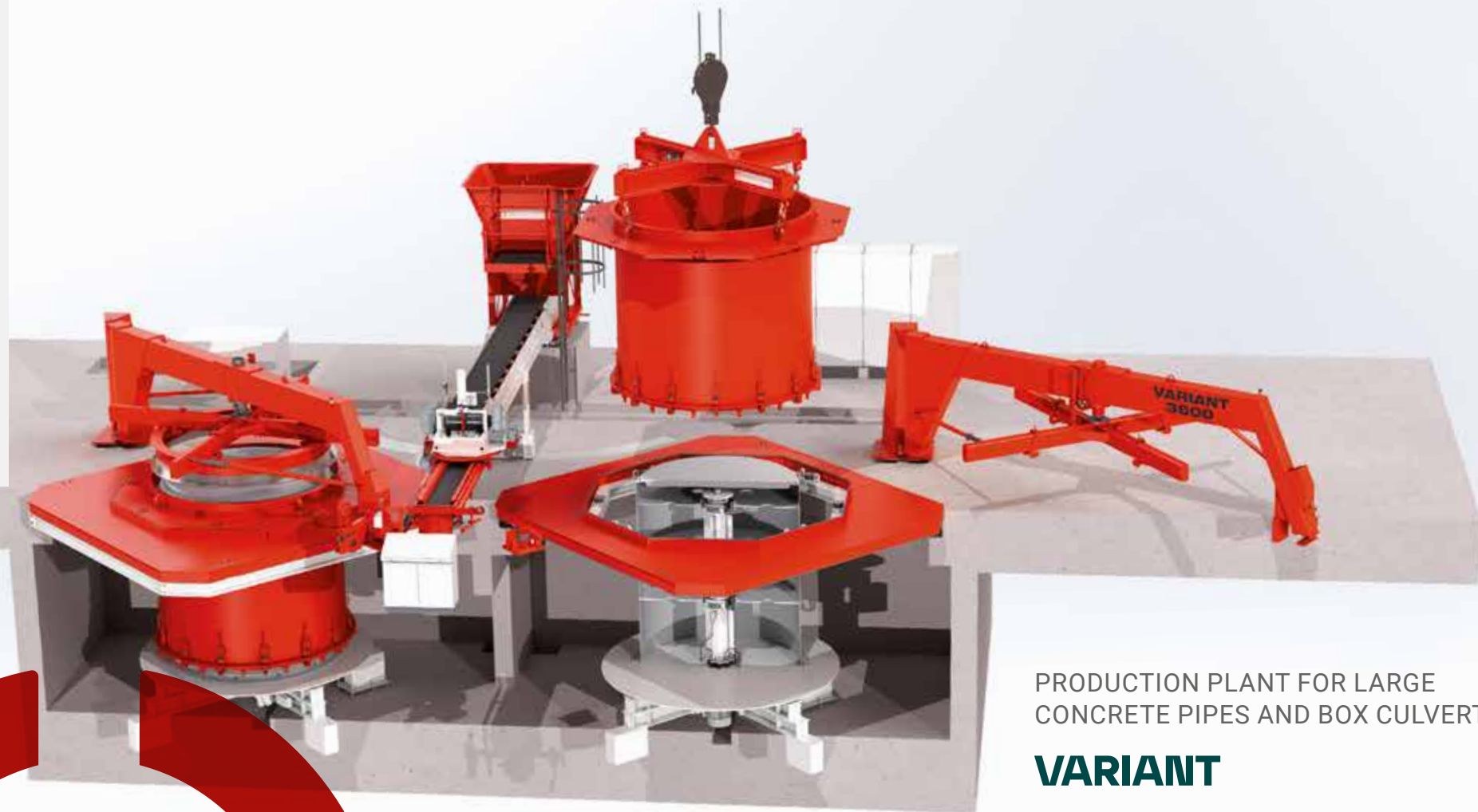
OPTIONAL EXTENSIONS FOR THE RADIAL PRESS RP

- 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





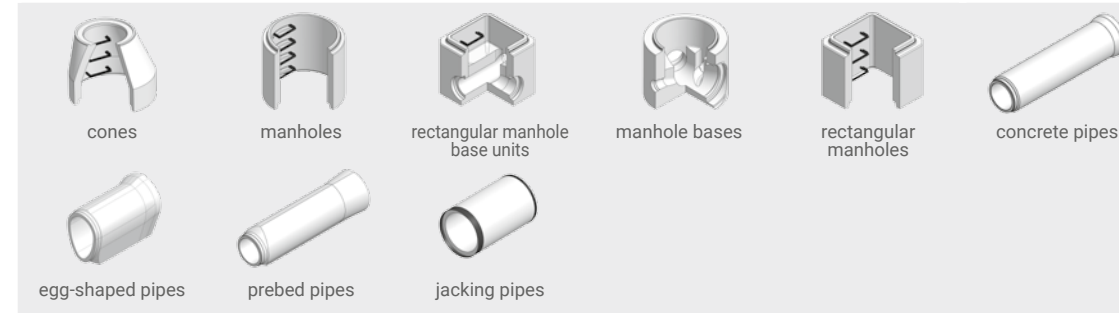
PRODUCTION PLANT FOR LARGE CONCRETE PIPES AND BOX CULVERTS

VARIANT

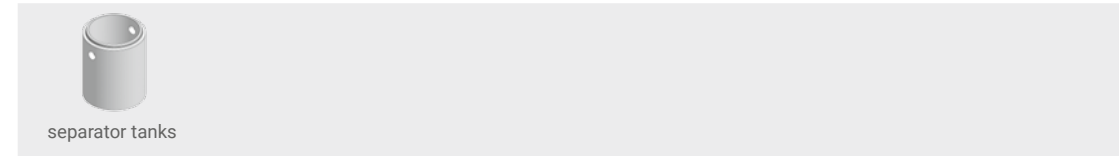
The VARIANT is a flexibly adaptable machine that can produce a wide range of concrete and reinforced concrete products. Its technical specifications, adaptability and efficiency make a first-class choice for manufacturers looking to optimize and expand their production processes. With sustainability 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

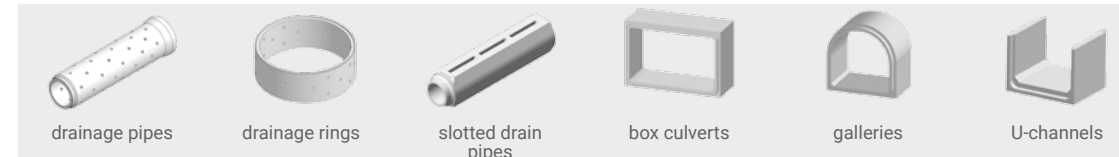
Products for sewerage



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 to the demoulding 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 the required spare parts
- Intuitive machine control adapted to the 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)

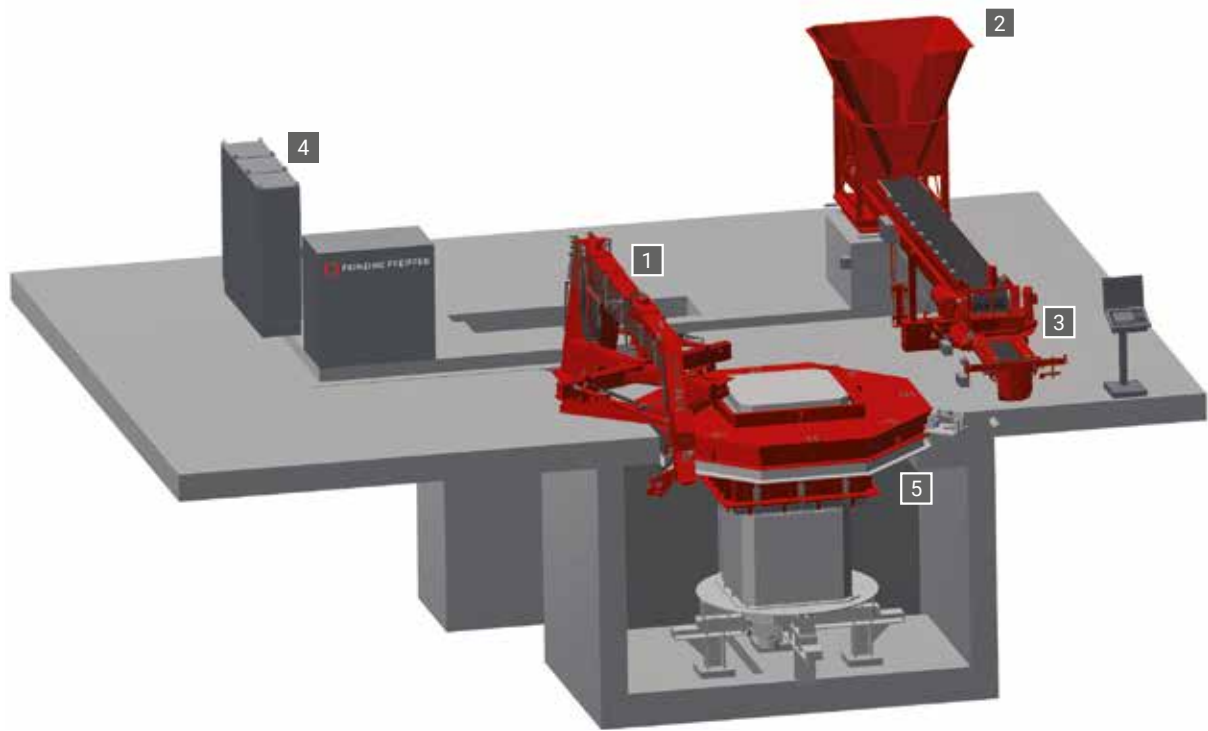
TECHNICAL DATA

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





VARIANT 2500 E

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



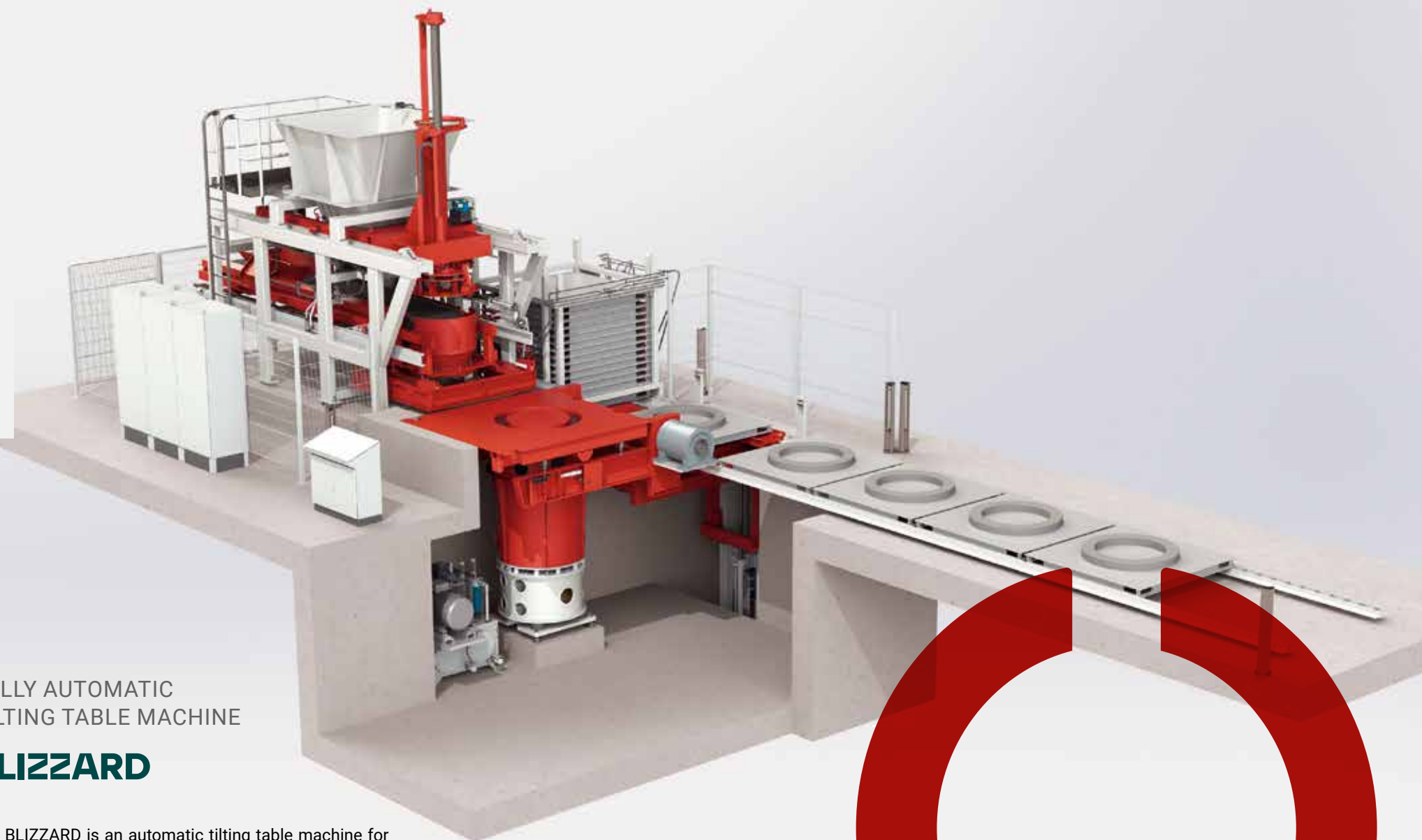
VARIANT 3600 D

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

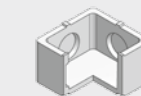


rectangular manholes



rectangular manhole base units

Products for sewerage



roof drainage shafts (F)

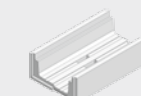


drainage channels



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



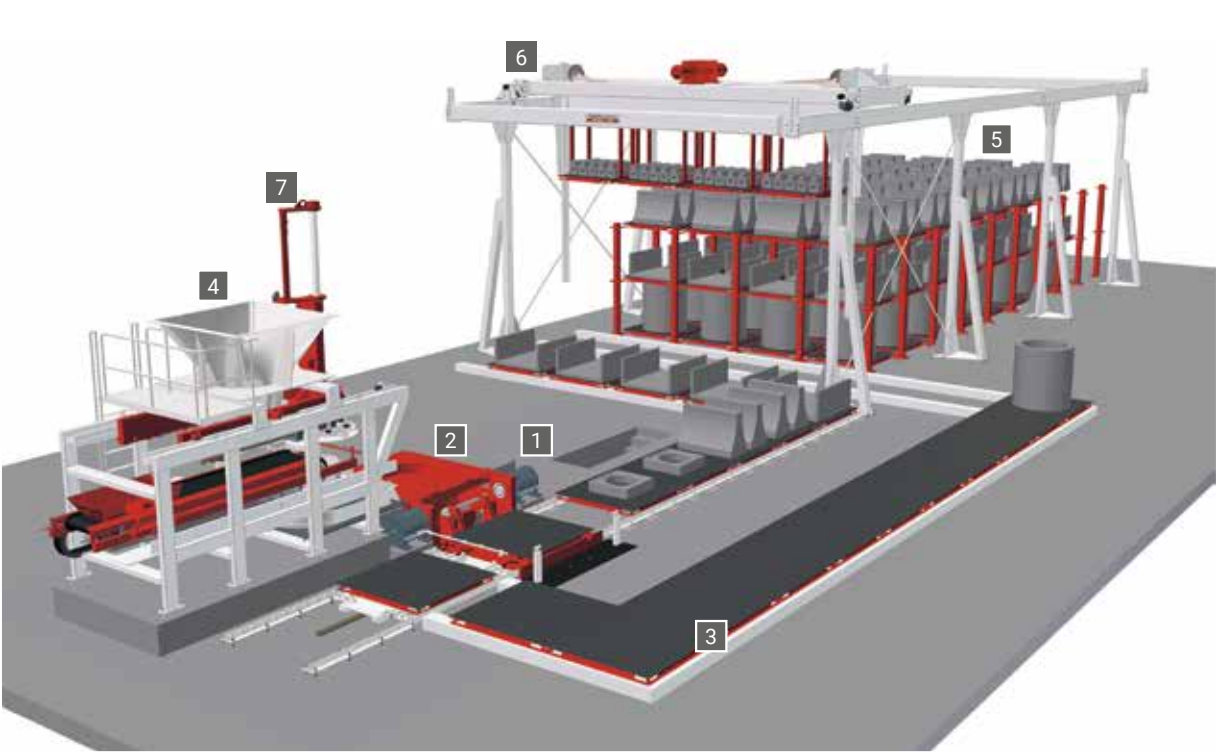
OPTIONAL EXTENSIONS FOR THE BLIZZARD

- 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
 - Automatic application of release agent to the steel pallets
- 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 and professional inspection of your system

TECHNICAL DATA

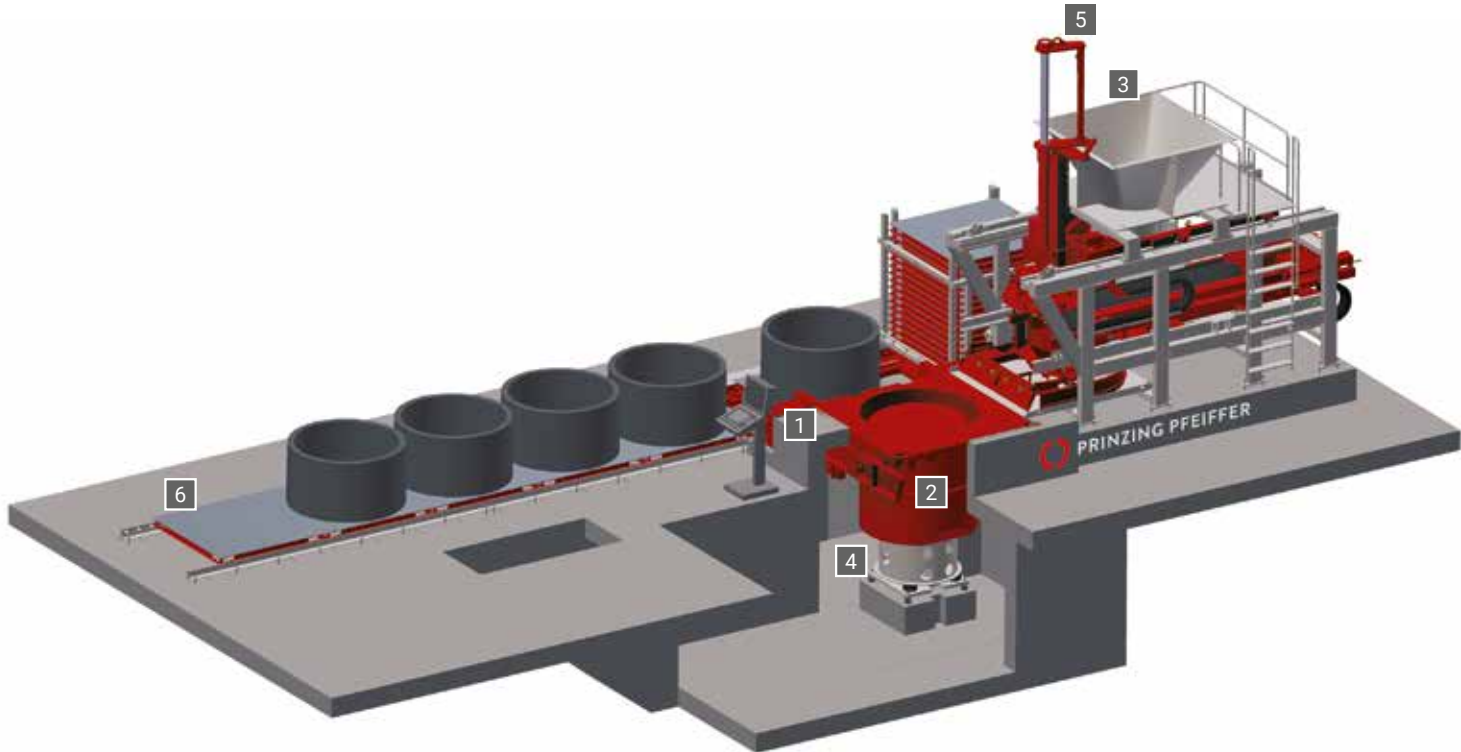
BLIZZARD	120/65	180/130	180/150
Pallet size	1200 x 1200 mm	1800 x 1800 mm	
Product dimensions approx.	1100 x 1100 mm	1700 x 1700 mm	
Overall height	650 mm	1300 mm	1500 mm
Maximum product weight	500 kg	5000 kg	
Can be extended with handling systems	Yes		





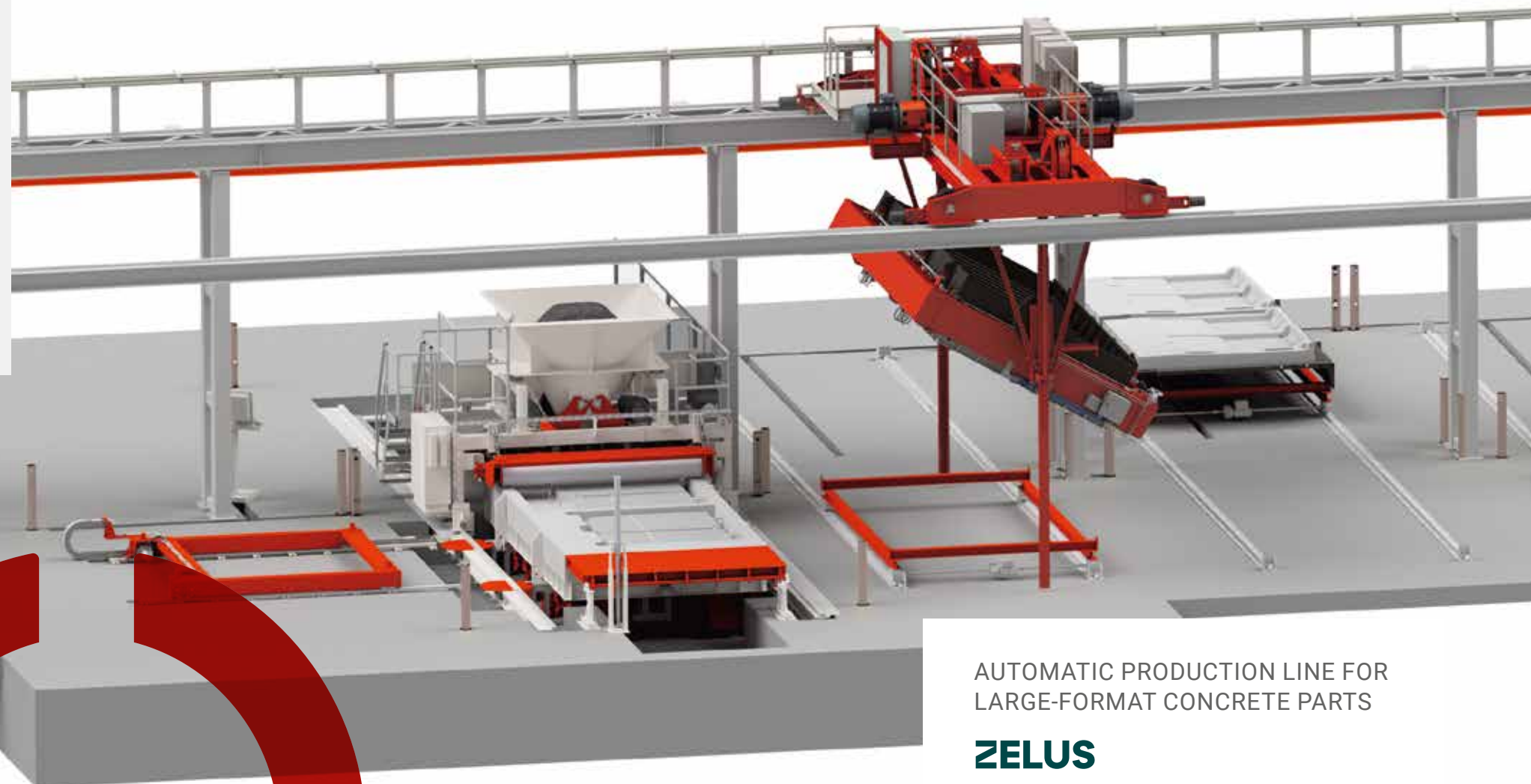
BLIZZARD 180/150

- | | |
|---|----------------------|
| 1 | Mould turning device |
| 2 | Mould equipment |
| 3 | Pallet return device |
| 4 | Feeding unit |
| 5 | Curing rack |
| 6 | Portal robot |
| 7 | Press carriage |



BLIZZARD 180/150

- | | |
|---|----------------------|
| 1 | Mould turning device |
| 2 | Mould equipment |
| 3 | Feeding unit |
| 4 | Vertical vibrator |
| 5 | Press carriage |
| 6 | Roller conveyor |



AUTOMATIC PRODUCTION LINE FOR LARGE-FORMAT CONCRETE PARTS

ZELUS

The ZELUS is a production line with automatic mould and product handling. Depending on the design a production with a wet- or dry-cast process is possible.

The ZELUS is very well suited for the production of

Products for sewerage



seating rings



cover slabs



rectangular
cover plates

Products for sewage water treatment and rainwater utilization system



cover for egg-
shaped tanks

Products for drainage



roof drainage
shafts (F)



drainage channels

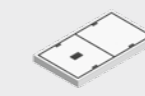
Products for power supply ducts and telecommunication



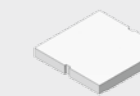
cable channels



cable distribution
boxes



covers for cable
distribution boxes

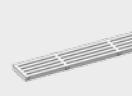


cable channel
covers

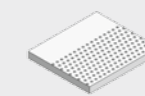
Other concrete products



retaining walls



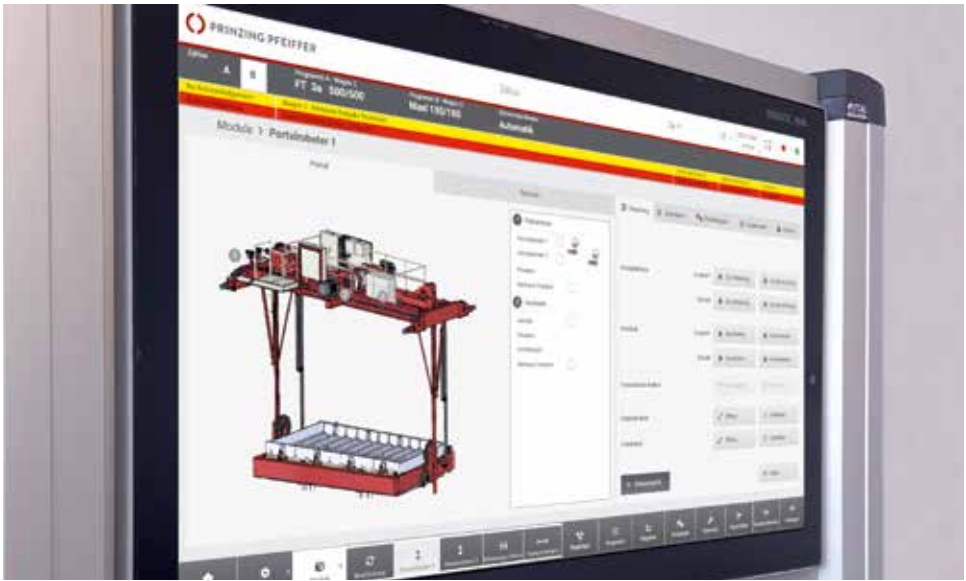
cattle slats



paving slabs

HIGHLIGHTS OF THE ZELUS

- Fully automatic production line for processing wet or dry cast
- Fully automatic filling of large-format moulds for a wide range of product geometries
- Precise concrete dosing into the moulds
- Automatic mould storage or pallet storage
- Demand-driven production by selecting individual moulds (wet-cast process)
- SmartParts for easy selection of the required spare parts
- Intuitive machine control adapted to the operator



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

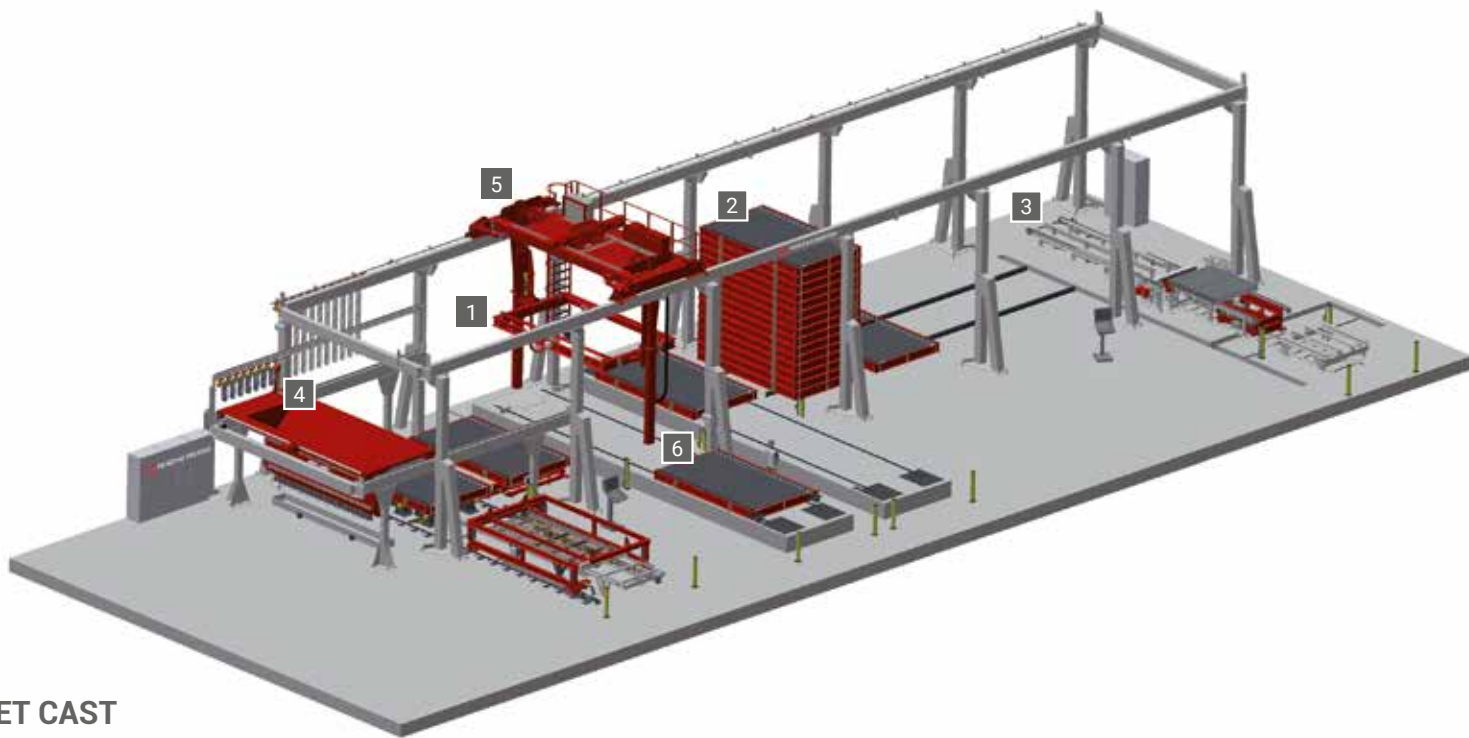
- Smoothing device to improve the quality of the product surface
- Frequency-controlled vertical and load vibrators
 - Fully automatic circulation handling (moulds and products)
 - Automated destacking of finished products
 - Extension of bypasses enables mould preparation outside the crane area
- Data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





ZELUS 400/25

1	Mould turning device
2	Mould equipment
3	Demoulding position
4	Feeding unit
5	Pallet stack
6	Vertical vibrator
7	Portal robot



ZELUS 500/20 - WET CAST

1	Mould turning device
2	Mould equipment
3	Demoulding position
4	Feeding unit
5	Portal robot
6	Preparing station



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.



YOUR PLUS - HANDLING

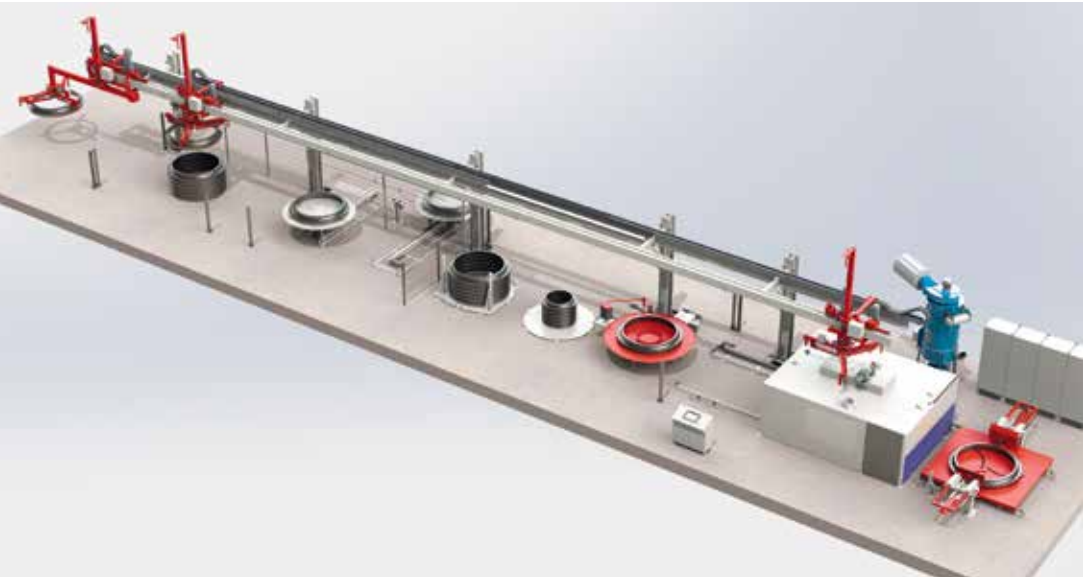
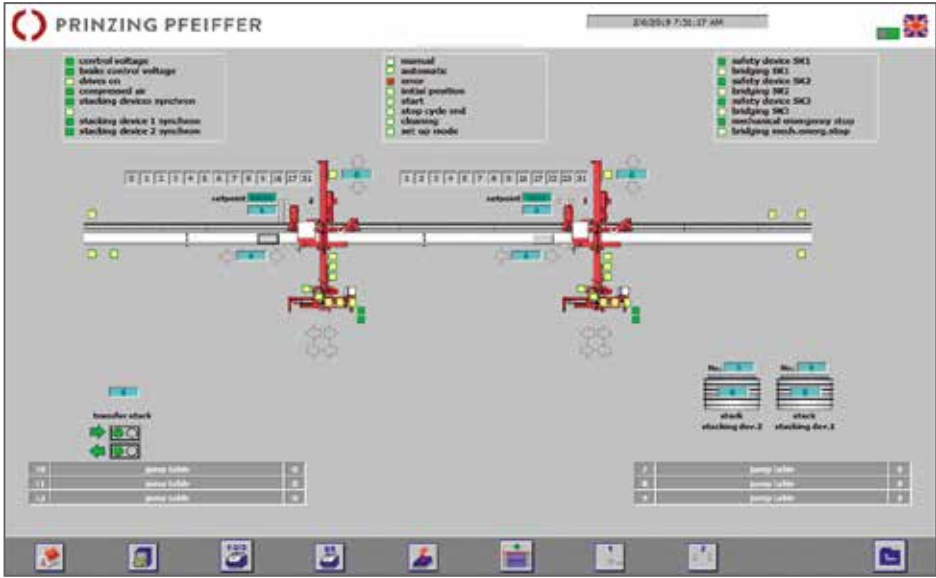
FOR BASE PALLETS AND STEEL PALLETS

PRINZING PFEIFFER offers modular handling systems for base pallets and steel pallets that can be expanded as required to optimize production processes for new systems as well as for existing concrete pipe or man-hole production systems. 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 six automatic main areas for base pallet handling: removal, separating, cleaning, oiling, stacking/destacking and inserting into the pipe or manhole machine.

ADVANTAGES OF OUR HANDLING SYSTEMS FOR BASE PALLETS AND STEEL PALLETS

- 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
- Reduction of wear
- Integrated fault diagnosis system
- Reduction of labour forces
- Improvement of working conditions



YOUR PLUS – TESTING LINES

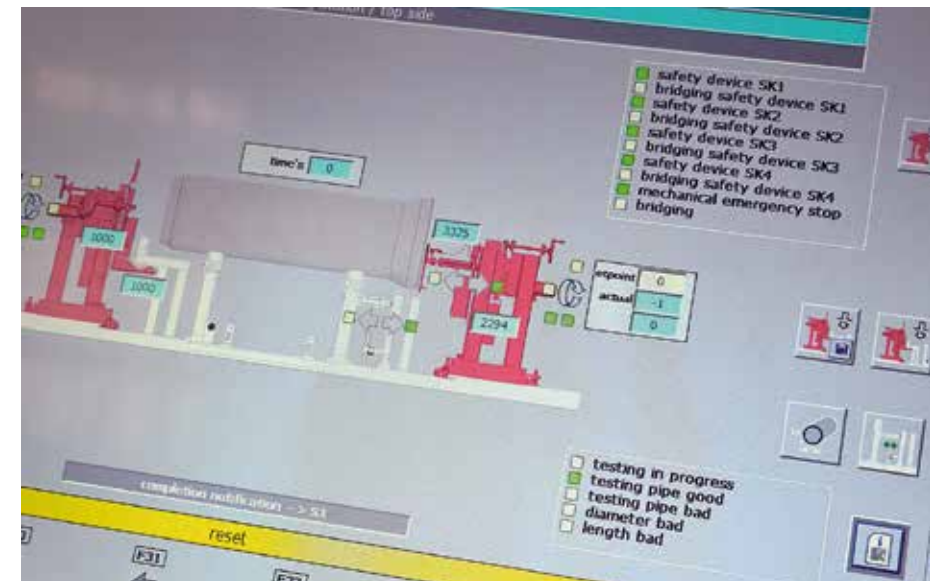
FOR CONCRETE PIPES

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 Office programs
- Integrated fault diagnosis system
- Reduction of labour forces
- Improvement of working conditions



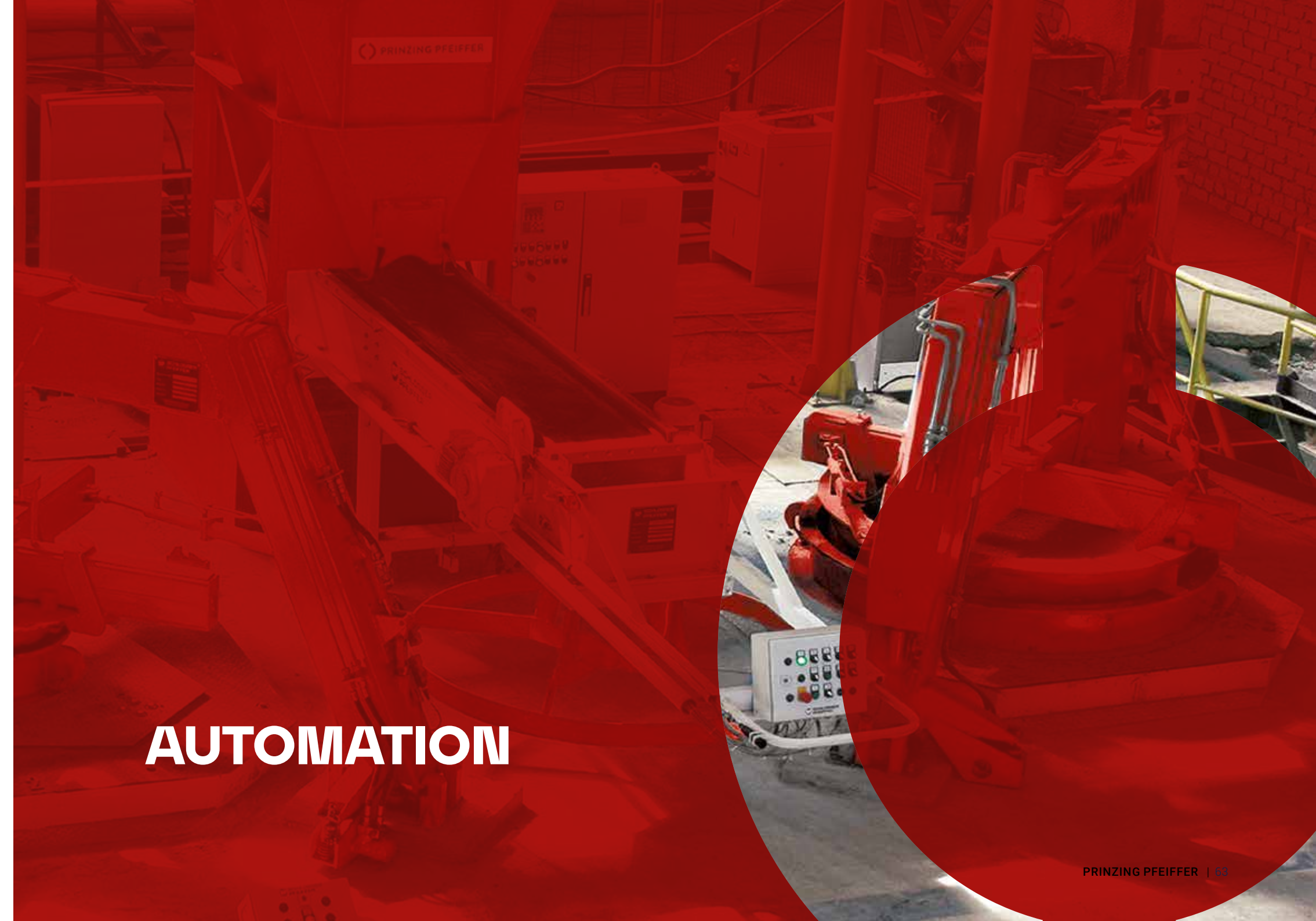
YOUR PLUS - PRODUCTION AND COMPANY LOCATIONS

IN-HOUSE PRODUCTION, SALES, ENGINEERING, AFTER SALES

Most of PRINZING PFEIFFER's pipe and manhole machines are manufactured, tested and delivered from the German production location in Porta Westfalica (North Rhine-Westphalia). Production processes, capacities, delivery times and logistics are optimized by the in-house solution. Our locations around the world (eight TOPWERK GROUP locations) and their local spare parts warehouses ensure rapid implementation of site-specific customer inquiries in the spare parts service and after-sales area.

At the German offices in Limburg a. d. Lahn and Blaubeuren, employees from Engineering and Sales work to meet individual customer requirements.





AUTOMATION

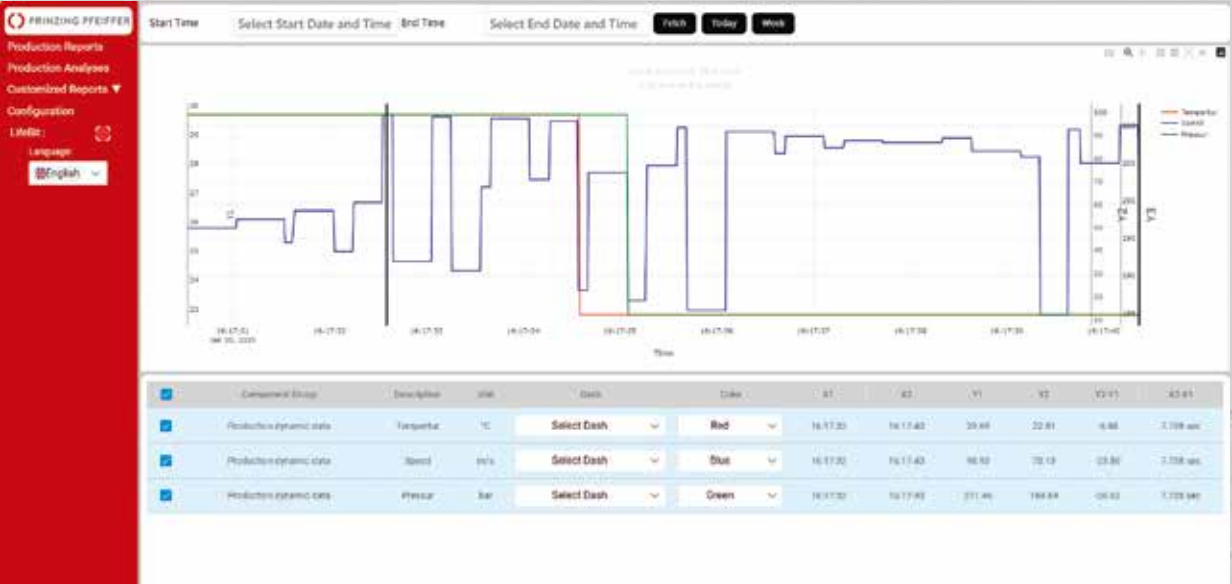
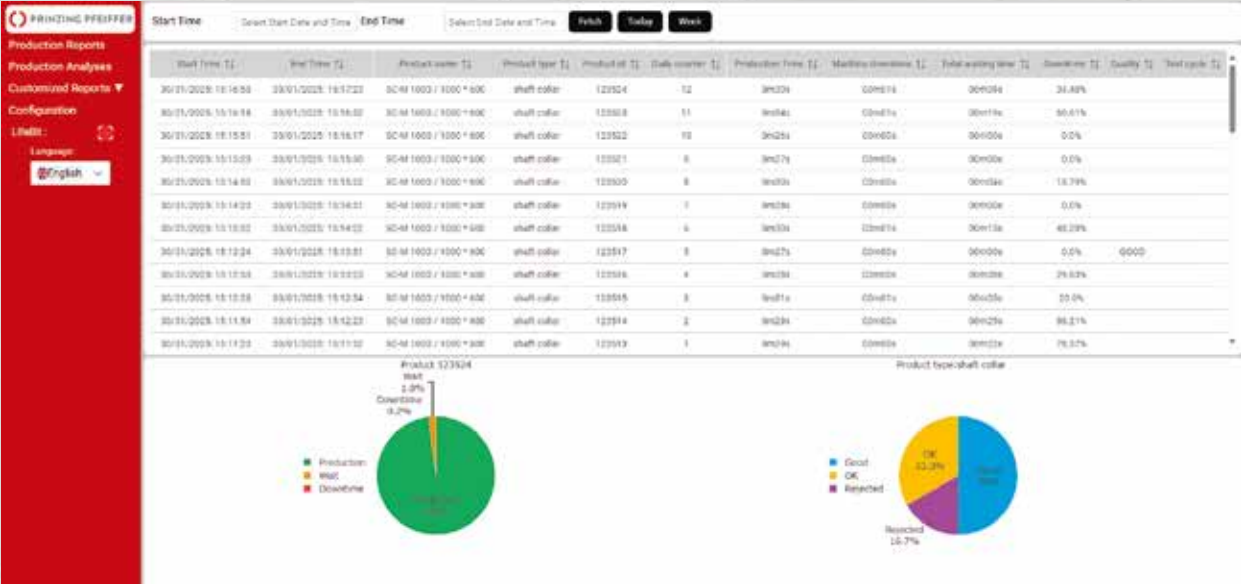
PRODUCTION STATISTICS –
HISTORICAL DATA ACQUISITION
AND REPORTS

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



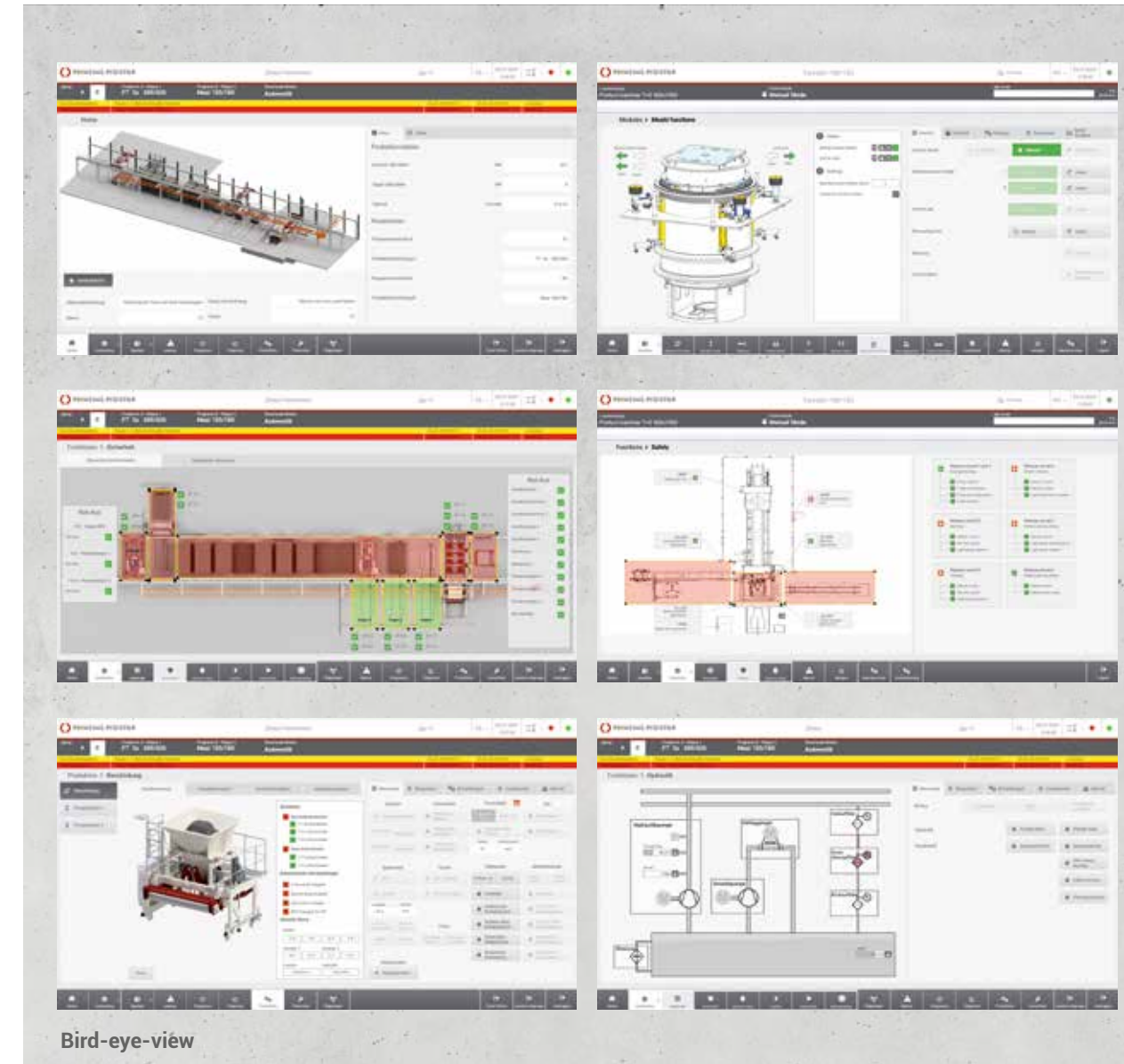
CONTROL SOFTWARE -
THE HEART OF EVERY SYSTEM

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.



THE ADVANTAGES OF NEXT BASE ARE:

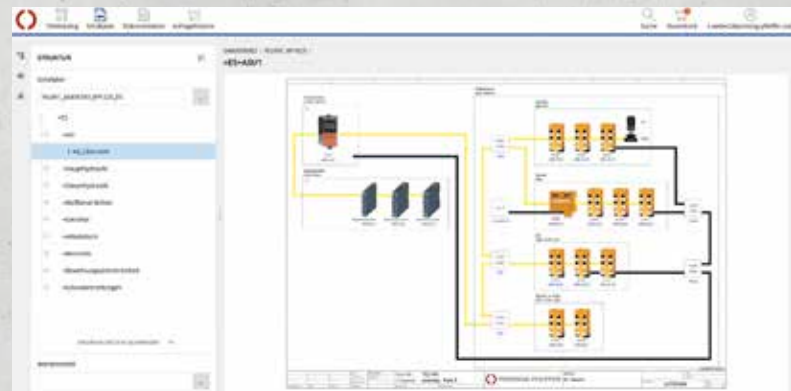
- More efficient automation of processes
- Intuitive and improved user-friendliness - clear navigation
- Better monitoring and control of process functions
- Lower service costs and less downtime - thanks to self-diagnosis
- Accessibility - device-independent (web-based) and ready for future technologies
- Integration with ERP systems (Smart Office-capable)
- Connectivity to devices and systems from manufacturers other than SIEMENS
- Integrated S7 Safety - fewer hardware components
- Longer support and availability of components



AFTER SALES

SMART PARTS

YOUR ONLINE SOLUTION FOR SPARE PARTS DOCUMENTATION AND PART INQUIRIES



Circuit diagram of a plant



Visuals of SmartParts

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.

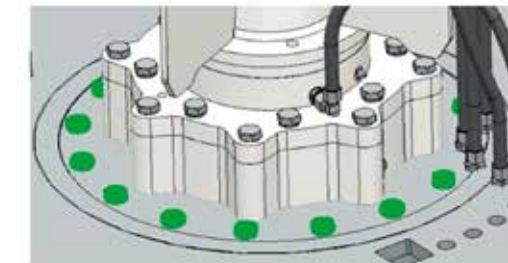
WHY SMARTPARTS?

- 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.

Efficient, intuitive and easy to use - SmartParts optimizes your spare parts management and saves your valuable time!

SMART CHECK

DIGITALLY SUPPORTED SYSTEM INSPECTION INCL. REPORT AND SPARE PARTS RECOMMENDATIONS



Check and torque M16 8.8 bolts to 195Nm in screwed connection between vibrator and base plate. O.K.? Visual inspection, torque wrench. *

☐ Yes
☒ No

Recommendation: Replace damaged bolts, torque M16 8.8 bolts 195Nm



Check belt tension. All belts must have same tension. Belts must be parallel between vibrator and motors pulleys. Correct tension is when force of 300N in centre of V-belt makes depth of 10mm. New V-belts must be tensioned again after a few working hours. *

☐ Yes
☒ No

Recommendation: Torque value for vibrator DN300 to DN700mm = 16 Nm, vibrator above DN750 mm = 39 Nm.

Test report with visual representation of the tested area with recommendations

We perform an intensive system inspection at the customer's premises. This inspection is carried out using well-founded checklists and is individually adapted to the specific requirements of the machine. You will then receive a detailed inspection report. Our inspection report gives you an insight into the condition of your system and allows you to proactively order and replace parts.

THE CUSTOMER RECEIVES FROM US:

- Detailed inspection reports (your "system checkbook").
- Assessment of the degree of wear.
- Recommendations and quotations for the necessary spare and wear parts.
- Recommendations as to where your maintenance should be intensified.

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



Björn Brandt
Managing Director



Andreas Bartuli
Head of Sales



Alexander Probst
Area Sales Director



Reda Guessous
Area Sales Manager



Thomas Linnert
Area Sales Manager



Thiago Leao
Area Sales Manager



Jan Nemitz
Head of Internal Sales



**Business Unit PRINZING PFEIFFER**

Office Limburg
Vinzenz-Pallotti-Strasse 3
65552 Limburg | Germany
Phone: +49 2736 497 611
E-Mail: info@prinzling-pfeiffer.com
www.prinzling-pfeiffer.com

Production at Langenhahn

MSM Formenbau GmbH
Industriestrasse 9
56459 Langenhahn | Germany

Masa GmbH
Masa-Strasse 2 | 56626 Andernach | Germany

Office Blaubeuren
Zum Weissen Jura 3
89143 Blaubeuren | Germany

Leading with Innovation,
inspired by Tradition
since 1862