

 **BIMATEC SORALUCE**

Fascination SORALUCE

**Innovative
solutions for your
production**





Our drive

You are the focus of our attention: We want to know about your requirements and fulfil them. As one of the technological market leaders, we support you with our passion and innovative know-how. For your next project, you can take advantage of the high-quality products and services of [BIMATEC SORALUCE](#).



INNOVATION BUILT ON TRADITION

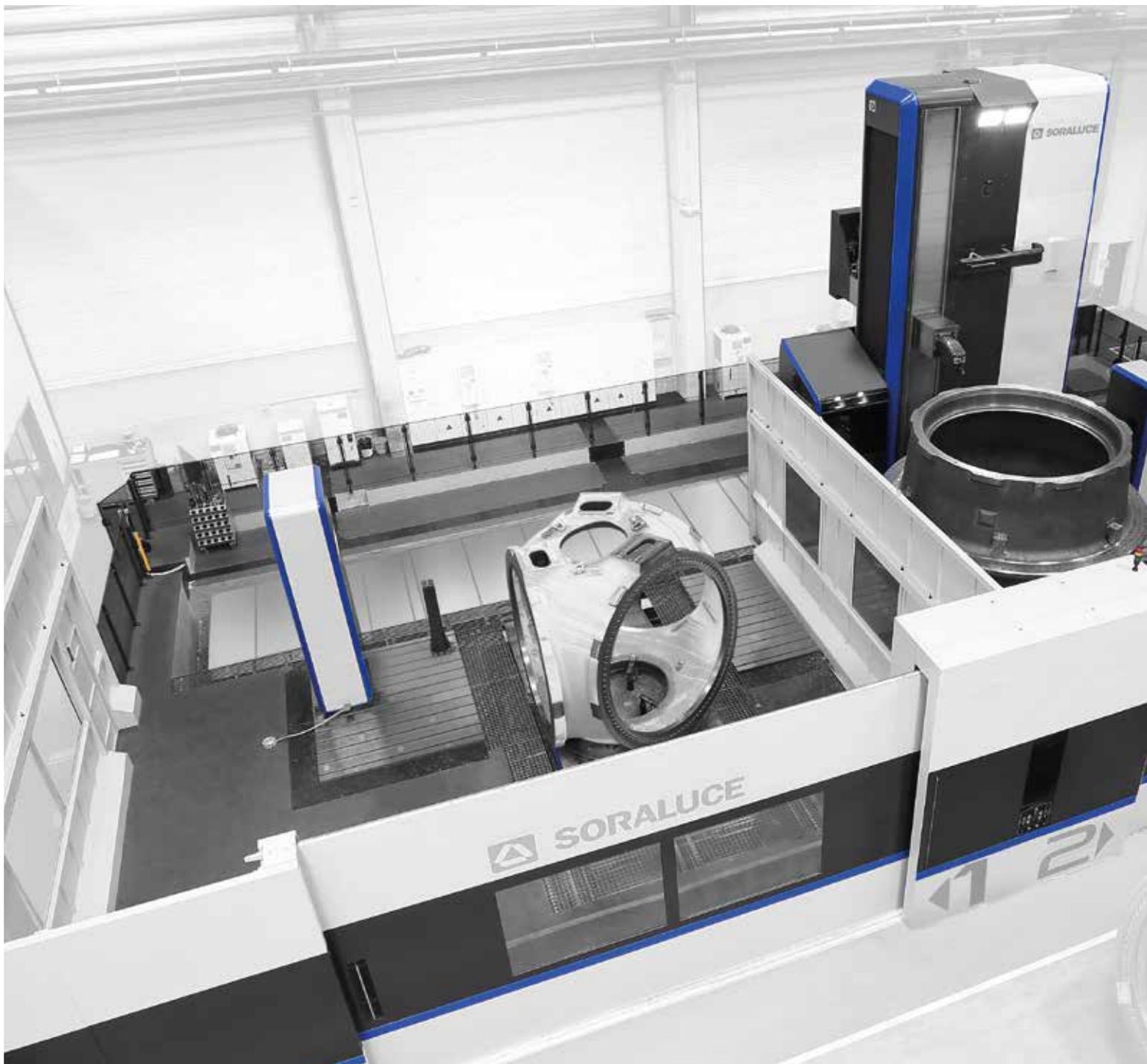
We want to share our passion for technology with you. This is our tradition and makes us one of the technological market leaders and your competent partner.

SMART TECHNOLOGIES

True high-tech for highest demands and precise dynamics: The milling, turning and grinding centres of our portfolio are amongst the leaders in machining technology.

SERVICE THROUGHOUT THE LIFE OF YOUR MACHINE

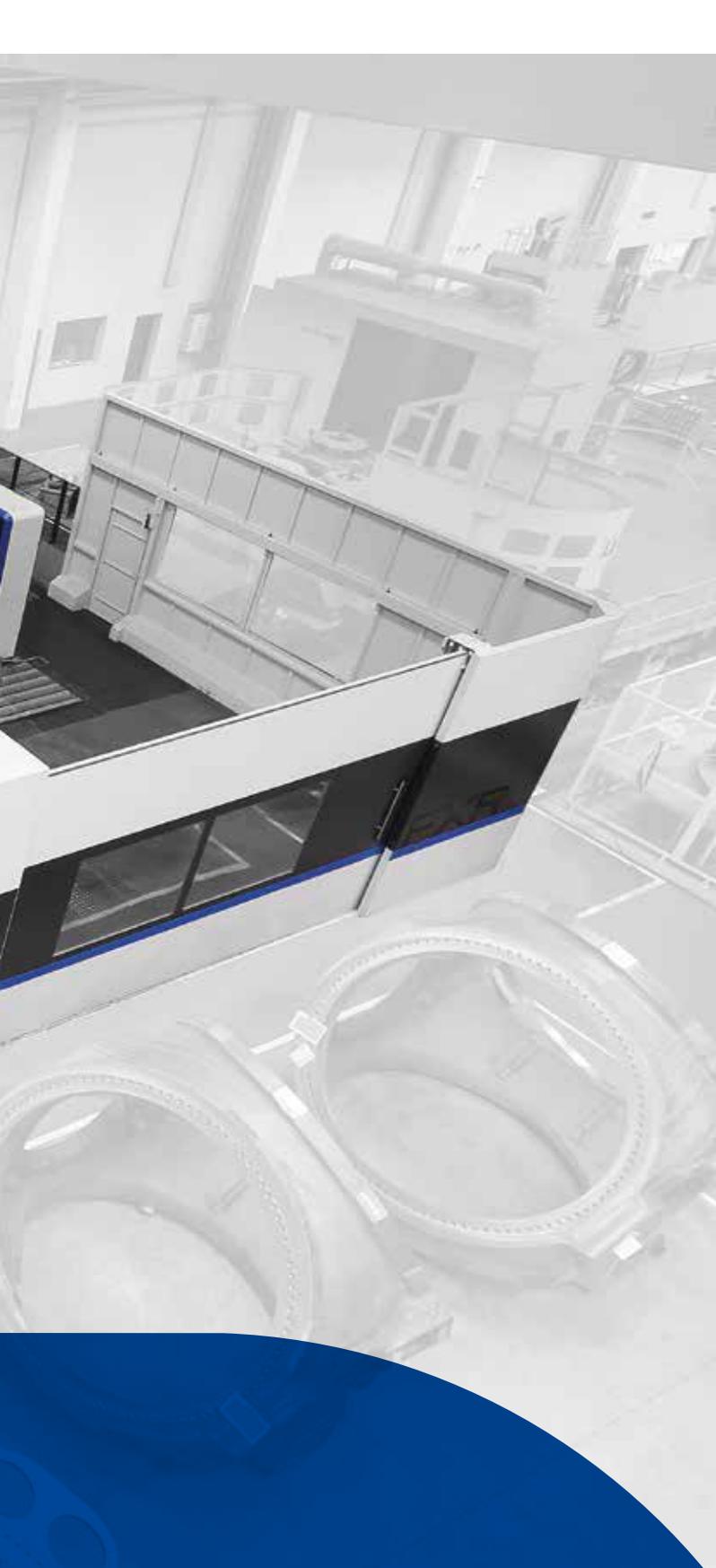
Our specialized team of mechanics, electronic technicians and application specialists offers you competent immediate assistance and, if required, trains you on your individually selected subjects.



Passion for technology

Passion is what drives us: We develop revolutionary technologies and find the best solutions. That is why we have always been doing pioneering work.

Together with our partner SORALUCE, we invest 8% of turnover in development. This makes us one of the technological market leaders for large milling and turning centers.



More than machine construction

Thanks to commitment and know-how

Our success is based on the skills and the commitment of our employees. Their competence brings the name BIMATEC SORALUCE to life.

FACTS AND FIGURES

OVER 3,000 MACHINES
were installed for our customers.



5 PATENTS
were registered by us.



61 SERVICE EMPLOYEES
support you all across Germany.



365 DAYS
a year we are available for you.



184,000 SPARE PARTS
guarantee a quick replacement.



64 LOAN MILLING HEADS
serve to ensure the smooth running of your production.



Our customers are at the centre of everything we do. We want to fascinate you – with our products, our service and our corporate culture.

We are BIMATEC SORALUCE

We are your competent and reliable partner for modern milling, turning and grinding centres and we will be at your side throughout the whole life of your machine. Our company is located in Limburg a. d. Lahn, Germany. From here, we manage national as well as international projects and with our 105 employees we pave the way for your highly precise production.

In this regard, we cover all aspects of a flexible and customer-oriented service. We offer you comprehensive advice, turnkey installation as well as service and maintenance of your machine in high manufacturer quality.

In close cooperation with our partner SORALUCE, we develop innovative machine technologies to series production. Since 1991, we have been doing pioneering work together to support you in your respective industry with advanced machining solutions.

SORALUCE is part of DANOBATGROUP. This company operates a unique research & development centre with 120 engineers and 24 doctors. DANOBATGROUP represents the machine tool division of MONDRAGON Corporation, which is one of the most important corporate groups in Europe.





OUR VALUES

CUSTOMER-ORIENTED, RELIABLE & INNOVATIVE

We put great emphasis on honesty, dependability, friendliness and reliability. Therefore we focus on transparent communication and always have a sympathetic ear for you. This allows us to get to know your requirements and wishes in order to offer you innovative solutions with added value.

For us, it's the people that count. That's why our **BS2020** corporate culture is based on responsible management and teamwork. In this way we have created a corporate culture that questions and breaks down structures and processes. It is not only about economic results, but also about changing responsibilities and treating one another with respect.

Our milestones

...because it's the head that counts!

In 1962 SORALUCE started the production of conventional boring mills and radial drilling machines.

The company has advanced steadily and with the development of a new type of milling head by our company founders in 1991, BIMATEC SORALUCE was born.

1991

Fred Bisgwa and Walter Markuske established BIMATEC SORALUCE

1993

Presentation of the world's first fixed table travelling column milling machine with a linear guiding system

1998

SORALUCE develops the first machine with an automatic milling head changing system

+

Extension of the company building by a Service, Spare Parts and Training Center

2002

Delivery of the first duplex machine with two opposing traveling columns

2006

Production of the first stepless milling head by SORALUCE



2007

Milling machines learn to turn - the first multitask machine is born

2010

Global novelty: Our patented quill and milling head changing system conquers the market

2012

Opening of our Technology Center and Expansion of our Training Center

2015

No more chatter: The innovative DAS system revolutionizes machining processes and receives the Best of Industry Award

2016

New machine design wins the Red Dot Award for functionality

2017

Presentation of the Intelligent Machine: Its new technologies support the operator and reduce machining times & downtimes

2018

All in one: Our multitask centres learn to grind
+

Introduction of the Dynamic Workpiece Stabilizer (DWS): This mobile system eliminates vibrations when machining flexible parts

2019

The simple measurement and alignment of raw parts via VSET is awarded with the Best of Industry Award

Competence from the start

Manufacturing technology & project management

Our engineers and technicians continuously analyse the requirements of the market in order to develop new, practical technologies. We always want to know exactly what you need - that's why we support you in your project right from the start and offer you:

- Feasibility studies
- Cutting time calculations
- Machine configurations
- Machining tests
- Tool selection
- Software adaptations

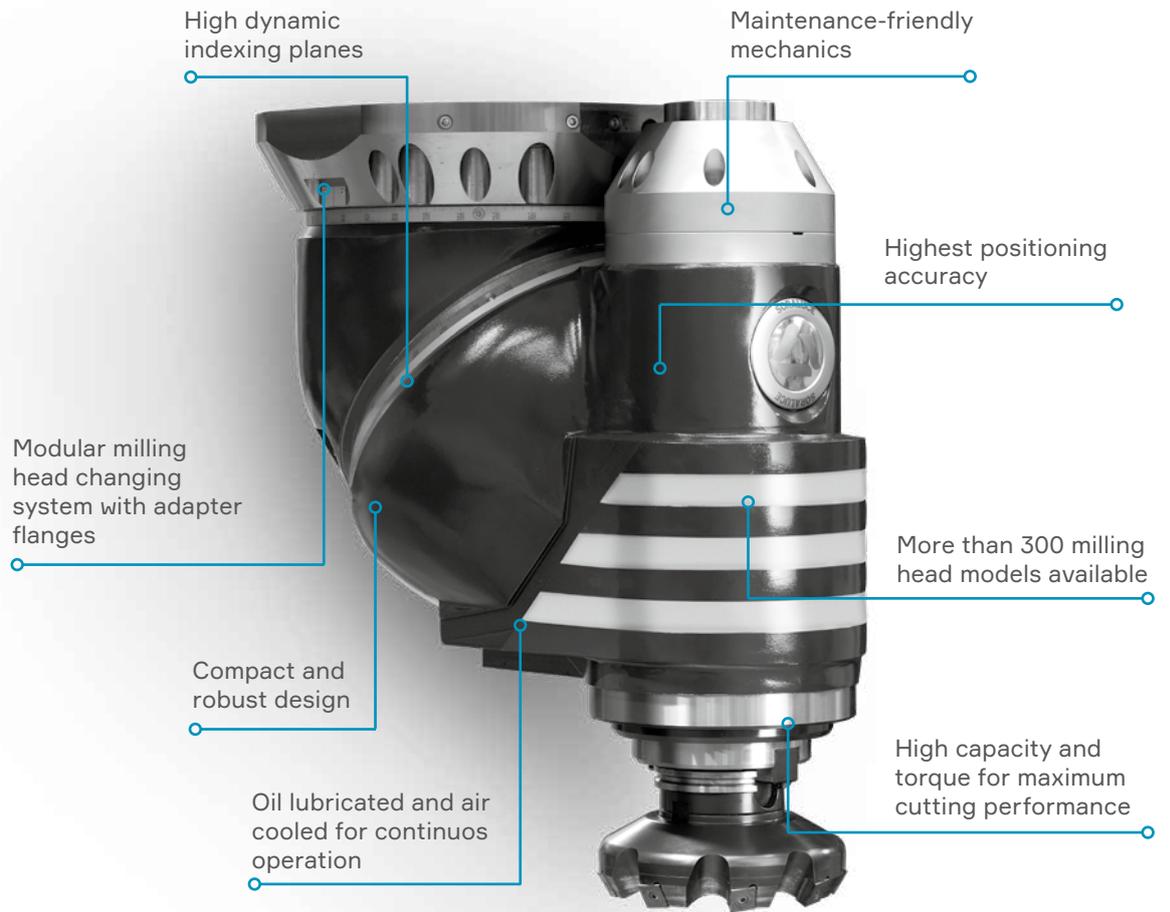
You can achieve efficiently planned production processes, greater planning reliability and better competitive opportunities with our all-round project management. We support you from the pre-inspection of the machine at the manufacturing plant, through delivery and installation on site, until final acceptance.

- Fixed contact person
- Technical & commercial support
- Coordination of suppliers, shipping companies and foundation builders
- Flexible machine equipment
- Turnkey projects





German Engineering and flexible support throughout the life of your machine



...because it's the milling head that counts!

Milling, Turning & Grinding

- Replacement in only one hour
- Innovative technology
- Own manufacture and production
- Highest quality



Over 300 milling head models from standard to customized types



UNIVERSAL MILLING HEAD



ORTHOGONAL MILLING HEAD



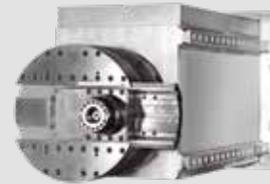
HORIZONTAL MILLING HEAD



QUILL



ANGULAR MILLING HEAD



FACING AND BORING HEAD

Our own production for your highest quality

Design > Manufacturing > Machining > Assembly > Running-In > Verification



Progress in detail

Technologies for efficient machining

At BIMATEC SORALUCE we are passionate about technologies and strive constantly for improvement to create new progress. This is how we develop innovative solutions for your production.



Dynamics Active Stabilizer

Eliminates typical chatter during the machining process.

+ PRODUCTIVITY

**Awarded as Quality Innovation of the Year 2015
and Best of Industry 2016.*



It compensates the deviation of head articulation positioning for one particular position of the head.

+ACCURACY



Automatic measurement of the machine kinematics and direct compensation for different milling heads in every position in the working area and in every milling head position.

+ACCURACY



Adjusts automatically the defined cutting parameters depending on the real machining situation.

+PRODUCTIVITY



Maximum precision in straightness, parallelism, and flatness over the entire travel range of the ram and quill in conjunction with the vertical axis.

+ACCURACY



Fully automatic exchange of quills and milling heads.

+FLEXIBILITY



Simplified workpiece alignment.

+PRODUCTIVITY

* Best of Industry Award 2019



Table balancing system to correct the distribution of asymmetric loads.

+ACCURACY



Intelligent solution that prevents curling of the chips during the turning process.

+PRODUCTIVITY

SORALUCE machines

Pure high-tech for highest demands and precise dynamics: The milling, turning and boring centres of our machine portfolio are leaders in machining technology. They are based on the latest milling technology and innovative constructions.

No matter which workpiece needs to be machined, our six machine ranges and automatically exchangeable milling heads offer the right solution - for every application.



T Range

High performance
in a compact machine

BED TYPE MILLING AND BORING MACHINE

- Longitudinal traverse (X): 2,000 – 4,500 mm
- Vertical traverse (Z): 1,250 – 1,600 mm
- Cross traverse (Y): 1,200 – 1,300 mm

S Range

Ergonomic milling and boring center
with a gigantic work area

FIXED TABLE TRAVELLING COLUMN MILLING MACHINE

- Longitudinal traverse (X): 3,500 – 40,000 mm
- Vertical traverse (Y): 1,800 mm
- Cross traverse (Z): 1,300 – 1,500 mm





Multitask centers

All in one:
Milling, turning and grinding

TA-M, TR-M, FMT MACHINES

- Longitudinal traverse (X): 2,500 – 4,000 mm
- Vertical traverse (Z): 1,250 – 1,800 mm
- Cross traverse (Y): 1,200 – 1,500 mm
- Turning table: Ø 1,250 – 2,000 mm

F Range

High precision
for large workpieces

FLOOR TYPE MILLING-BORING MACHINES

- Longitudinal traverse (X): 3,000 mm – unlimited
- Vertical traverse (Y): 1,800 – 8,000 mm
- Cross traverse (Z): 1,300 – 1,900 mm
- Quill traverse (W): 700 – 1,000 mm



VTC Range

Versatility and
productivity

VERTICAL TURNING CENTRES

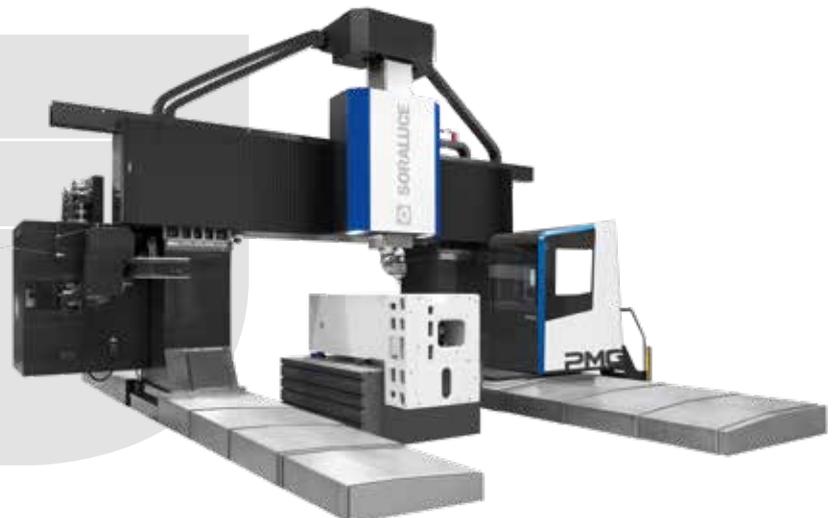
- Turning diameter: 2,100 – 8,000 mm
- RAM stroke (Z): 1,500 – 2,000 mm
- RAM traverse (X): 2,470 – 8,800 mm
- Vertical travel range of cross rail (W): 800 – 3,500 mm
- Workpiece weight: 17,000 – 150,000 kg

P Range

Maximum precision
and stability

MULTITASK PORTAL AND GANTRY MACHINES

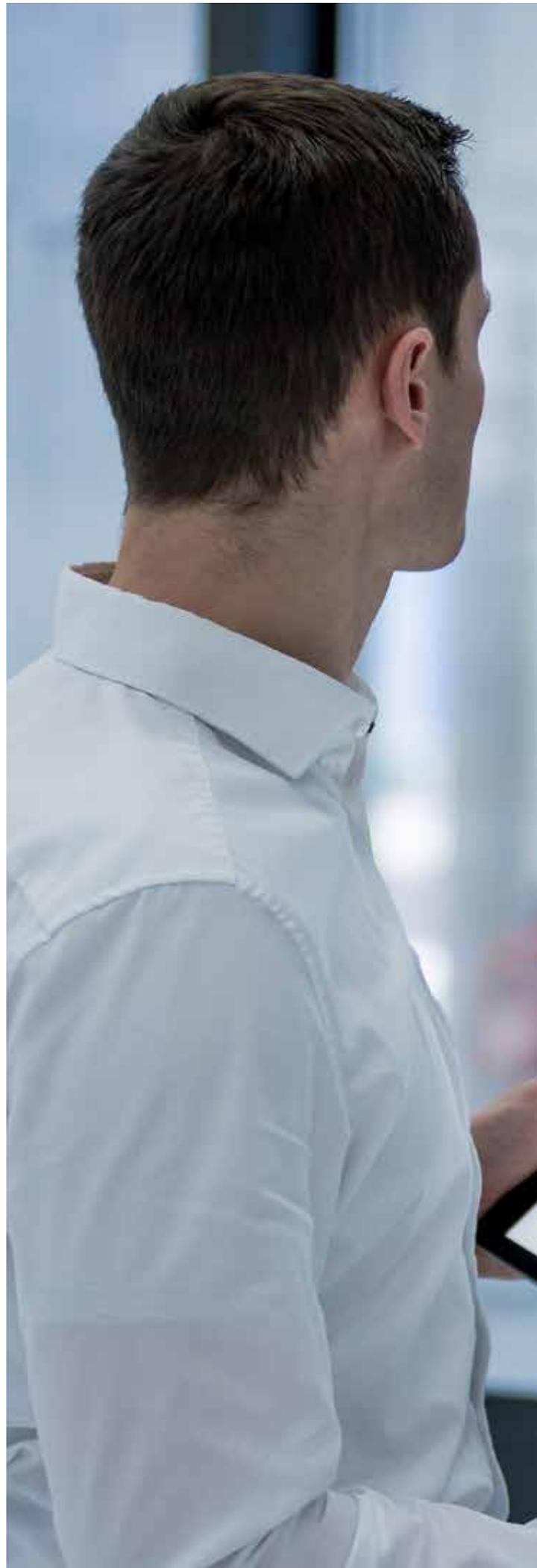
- Longitudinal traverse (X): 5,000 – unlimited
- Vertical traverse (Z): 1,500 – 3,000 mm
- Cross traverse (Y): 4,000 – 10,500 mm
- Vertical traverse, cross beam (W): 1,000 – 4,000 mm



Machines in a digital network

Optimized processes and simple applications are the focus of our technologies.

In this way we achieve a simplified coordination of people, machines and processes. All machines can be connected to the SORALUCE Cloud. This guarantees a smooth process and 100% data security.



Industry 4.0

Added value through new technologies

With the SORALUCE Data System you can monitor various machine components thanks to intelligent sensors. As a result you achieve a continuous improvement of production processes and maintenance.

- Real-time information about ongoing machining processes
- Long-term analysis to optimize machining processes and energy consumption
- Monitoring of machine components
- Extended HEIDENHAIN HMI function with additional softkeys, diagnostic masks, manufacturer cycles and apps
- Simple networking via Ethernet
- Interface to MES, ERP & other production control systems
- Display of the machine status on any web-enabled terminal



Service is our passion

We are there for you - throughout the life of your machine!
That is why we offer you comprehensive service and effective support during all stages of the life of your machine.

365 DAYS a year you receive competent immediate help in all aspects.

At **+49 6431 9782-50** you can reach our service hotline and teleservice for diagnosis and remote maintenance of your machine.

ADVANTAGES – minimal downtime, reduced costs, increased efficiency and long-term value retention.

RETROFITS to modernize older machines.

Regional service fleet

12 service buses > regional assignment > over 1,000 spare parts on board





24 h milling head service

Our spare parts warehouse in Limburg offers you over 180,000 original spare parts that are constantly available even for machines that have been in operation for more than 30 years. And the best part: With our delivery service, original parts will arrive at your site within 24 hours where they can be installed quickly by our service technicians.

The professional overhaul or maintenance of your milling heads is carried out by a team of milling head specialists in our state-of-the-art milling head workshop. In addition, we permanently have 64 loan milling heads available for you.

Transferring knowledge into practice

CNC PROGRAMMING TRAINING COURSE

Programming strategy and efficient machine operation

TECHNOLOGY TRAINING COURSE

Functions of the intelligent machine

MACHINING SEMINARS

Modern milling solutions and strategies

TECHNOLOGY TRANSFER

Consulting and optimization of your production processes

INDUSTRIAL SERVICES

Production planning to facilitate your work preparation

MAINTENANCE TRAINING COURSES

Machine control and diagnosing technology

PRODUCTION SUPERVISION

Assistance for the optimization of production operations





We'll guide you!

Our unique training center offers a comprehensive range of training as well as advanced training courses in CNC manufacturing and maintenance.

Take advantage of our practical knowledge transfer and get the most out of your new machines right from the start. We offer training courses and workshops tailored to your specific requirements - worldwide.

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DANOBATGROUP

