Contract and assembly production

Your partner for flexibility, high performance and efficiency in production

BRAUN SONDERMASCHINEN

WE UNDERSTAND AUTOMATION

FORWORD

The rapidly changing requirements on the market present the automotive supply industry in particular, is constantly facing new challenges. In order to remain successful, it is essential to break new grounds and meet the demands of the market. Braun Sondermaschinen GmbH deals with current topics such as Industry 4.0 or e-mobility and is already setting the course for a successful future. Since the company was founded in 1983, Braun Sondermaschinen GmbH has grown under the management of owner Gerhard Braun from a 4-man operation into one of the most renowned machine manufacturers in Germany with 140 employees and 5,600 m² of production space.

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01

1983

Company formation under the name Braun und Grasser Sondermaschinen GmbH with 4 employees in Neusatz

1987

Change name to Braun Sondermaschinen GmbH

1991

New building and move to the new company site in Ottersweier

1995-2004

1995
Construction of the first fullautomatic powder coating line for the coating of rotors

1998
First international coperation - order to build one large assembly line for customer in Mexico.

2002
Construction of the first fully automatic starter assembly line

2004
Construction of the first fully automatic wiper blade assembly line

2004-2005
First assembly line to China

1998-2009

Several building extensions for the expansion of the production, storage and assembly areas

2012

First fullautomatic assembly line with Data management MES / Industry 4.0

OUR SUCCESS STORY

IN AUTOMATION, WE ARE A RELIABLE PARTNER.

Then as now, we convince our customers with concepts that are precisely tailored to their requirements. Assembly lines from our company are used at every major industrial location worldwide. Despite our international activities, we are a regionally rooted medium-sized company that develops and produces exclusively at the company headquarter in Ottersweier, and aligns itself with the requirements of our globally minded customers.

2015

Development of the Modular Automation Concept (MAK)

2019

New Servicepartner Shanghai Tuozhan Intelligent Technologies Co. LTD

First assembly line with fullautomatic AGV connection through OEM partnership with MiR (Automated Guided Vehicles)

2022

Expansion of the machinery with state-of-the-art automation solutions

Operating hours have been expanded to three-shift operation to produce 24/7

New Servicepartner GSN Mexico

2023

Extension of the building complex

2024

170 INTERNATIONAL BUSINESS PARTNERS

147 EMPLOYEES

25 MIO € SALES / YEAR

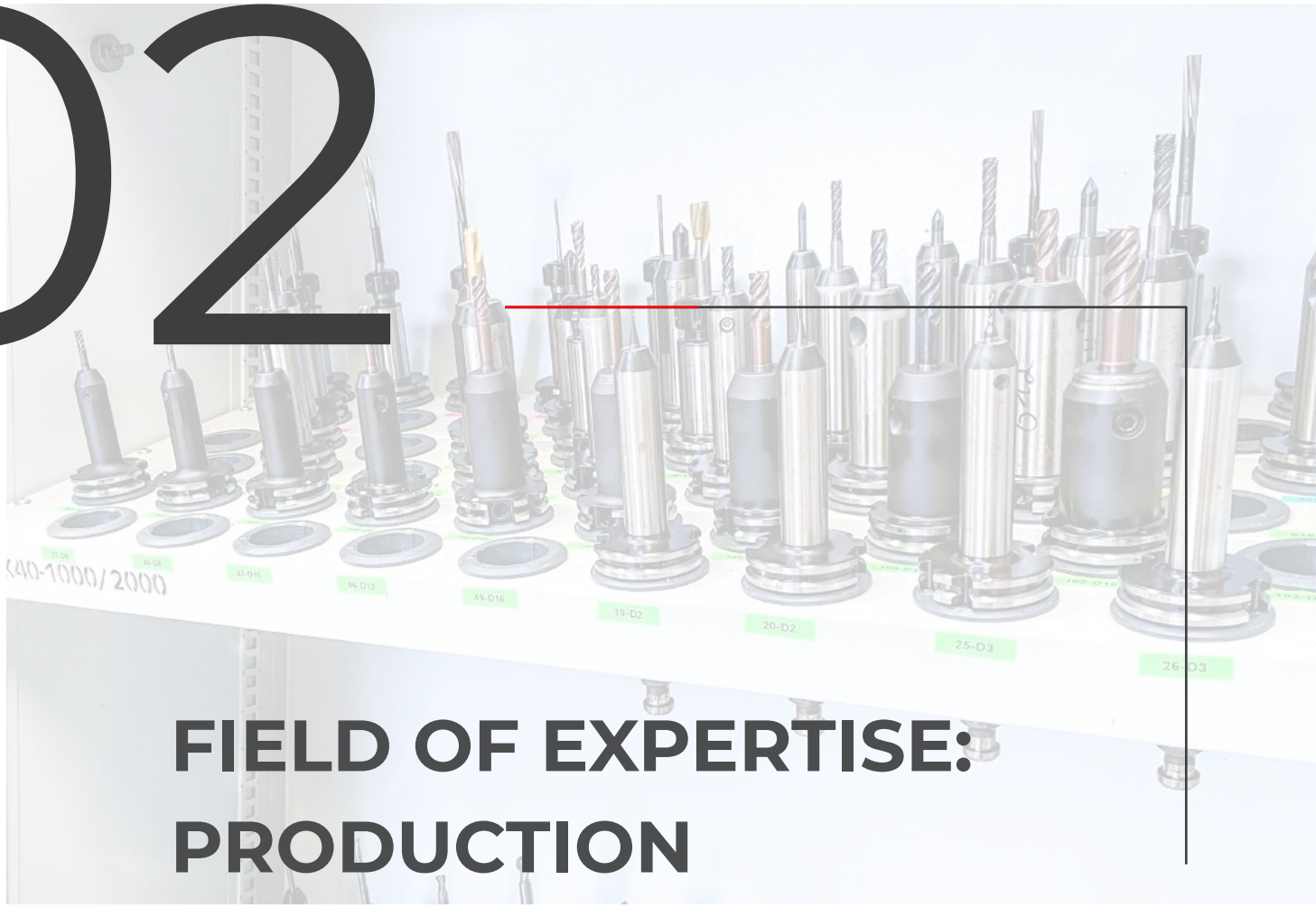
5600 M² PRODUCTION AREA

OUR PHILOSOPHY

THE GOAL OF OUR WORK - THE COMPLETE SATISFACTION OF OUR CUSTOMERS

To achieve this, we act proactively and reliably. At Braun, we have made it our mission to fully support our customers in their automation projects. It is important to us to provide our customers with the right machines, focusing on the latest technologies, with optimal automation levels, tailored to their individual needs, and with the best possible service, all delivered on time. Thus, our customers receive everything they need from the initial idea to the final implementation, all from one source.

02



FIELD OF EXPERTISE: PRODUCTION

2.1 OUR MACHINERY

POWERFUL, VERSATILE AND FLEXIBLE

Our machinery includes ten high-performance machining centers that enable us to process a wide range of common materials as well as special materials. Our comprehensive expertise spans a wide range of materials, thus we encourage you to inquire about parts made from special materials with us. In doing so, you not only benefit from our extensive experience but also from our state-of-the-art machinery, capable of meeting nearly all requirements. Our highly skilled team is available to support you at any time, ensuring the precise implementation of your individual requirements. With our profound expertise and technological excellence, we guarantee you consistently high quality and reliability.

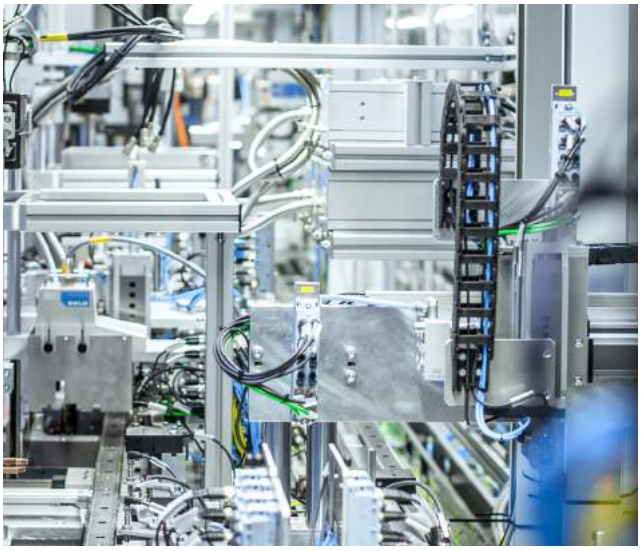
OUR MACHINERY

	Year of manufacture	Length X (mm)	Width Y (mm)	Height Z (mm)
Milling machines (3-axis)				
CMX 600 V	2019	600	560	510
DMU 635 V ecoMill	2016	635	510	460
CMX 1100 V	2018	1100	560	510
Miling machines (3+1-axis)				
DMF 200-8	2021	2000	800	850
Miling machines (5-axis)				
DMU 60 eVo + Roboterautomation RoboTrex 52	2022	600	500	500
DMU 50 3rd Gen. + Roboterautomation RoboTrex 52	2018	650	520	475
DMU 75 monoBlock	2015	750	650	560
DMU 75 monoBlock	2015	750	650	560
Eroding machine				
Sodick VL600Q	2019	600	400	270
Turning-/Miling maschine				
DMG CTX Beta 500	2010	Ø60mm spindle passage / max Ø on request		
DMG CLX 450	2019	Ø80mm spindle passage / max Ø on request		
Surface grinding				
Kauni Hanseat Blohm				
Geibel + Hotz FS 40-C				
Coordinate measuring machine				
Wenzel LH65	2022	650	1200	500
Mahr Surf PS10				
Mitutoyo Durotwin				

2.2 OUR SERVICES

SINGLE PART PRODUCTION

Our individual parts are manufactured on modern CNC milling and turning machines with maximum dimensions of 2000 x 800 x 850 mm from batch size one.



ASSEMBLY PRODUCTION

At the request of our customers, we assemble the parts manufactured by us into complete assemblies and handle the procurement of all necessary components.

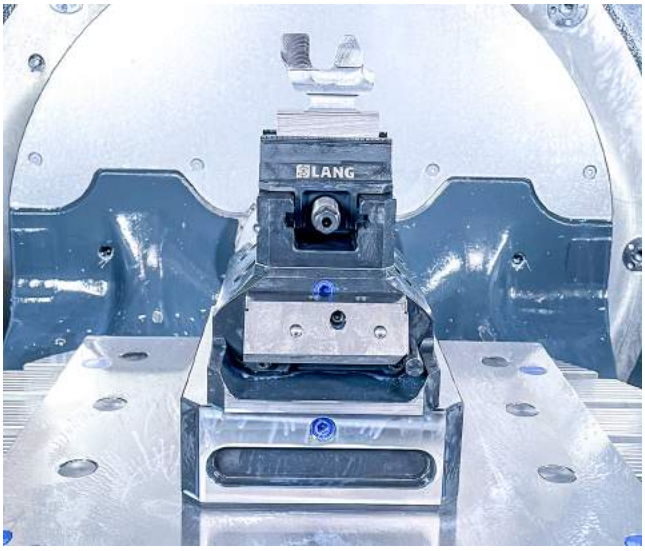
SMALL SERIES PRODUCTION

Using advanced automation technology and implementing a three-shift operation, we can provide our customers with the highest quality and precision milled parts, even for batch sizes of up to 1000 pieces.

2.3 OUR TECHNOLOGIES

FLEXIBILITY, PRECISION AND HIGH MATERIAL AVAILABILITY ARE OUR STRENGTHS

We offer comprehensive support throughout the entire manufacturing process of your production parts. From the initial inquiry to delivery, our service is at your disposal.



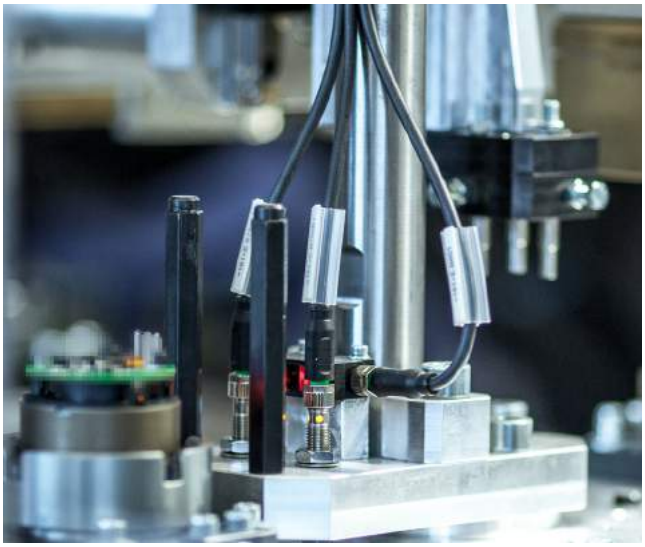
Miling

Hard miling

Turning

Wire EDM

Measurement technology



Assembly

Automation

2.3 PRODUCTION MATERIALS

FLEXIBLE IN TYPE AND MATERIAL

Our customers benefit from our in-depth expertise and many years of experience in machining production as well as our great flexibility in processing orders from a quantity of one and producing urgently required parts at short notice. We process almost any material and offer a wide range of surface finishes. In recent years, we have invested considerable resources in the expansion and modernization of our in-house machinery. These additional capacities also enable us to act as a service provider in the field of contract and component manufacturing.

YOUR ADVANTAGES

- Individual and small series production
- Assembly production
- Flexibility
- Precision
- Individual service
- High material availability

MATERIALS

- Aluminum
- Stainless steel
- Steel
- Special materials such as gunmetal, brass, Ampco, submarine steel
- Plastics
- on request

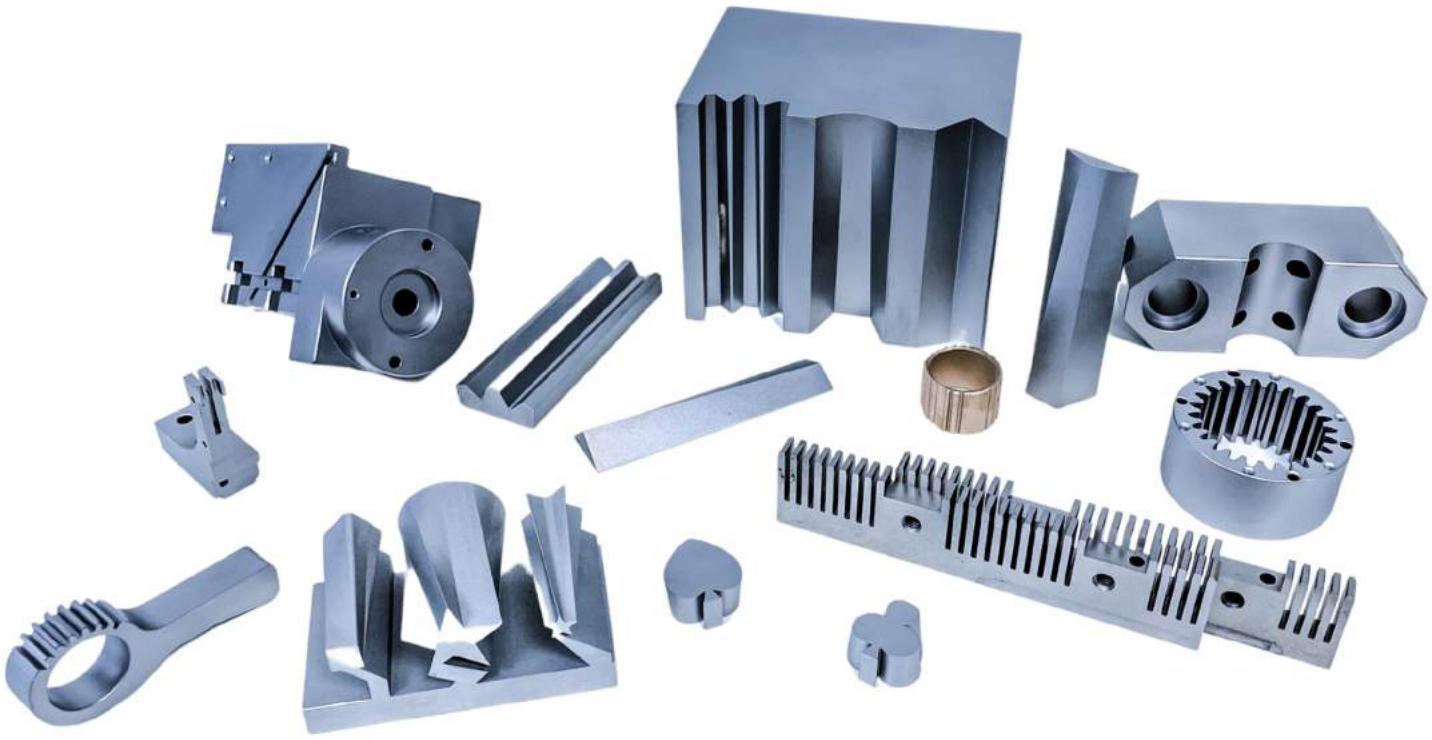
SURFACE FINISHING

- Burnishing
- Anodizing
- Hard coating
- Hardening
- Phosphating
- TiN coating
- Nickel plating
- on request

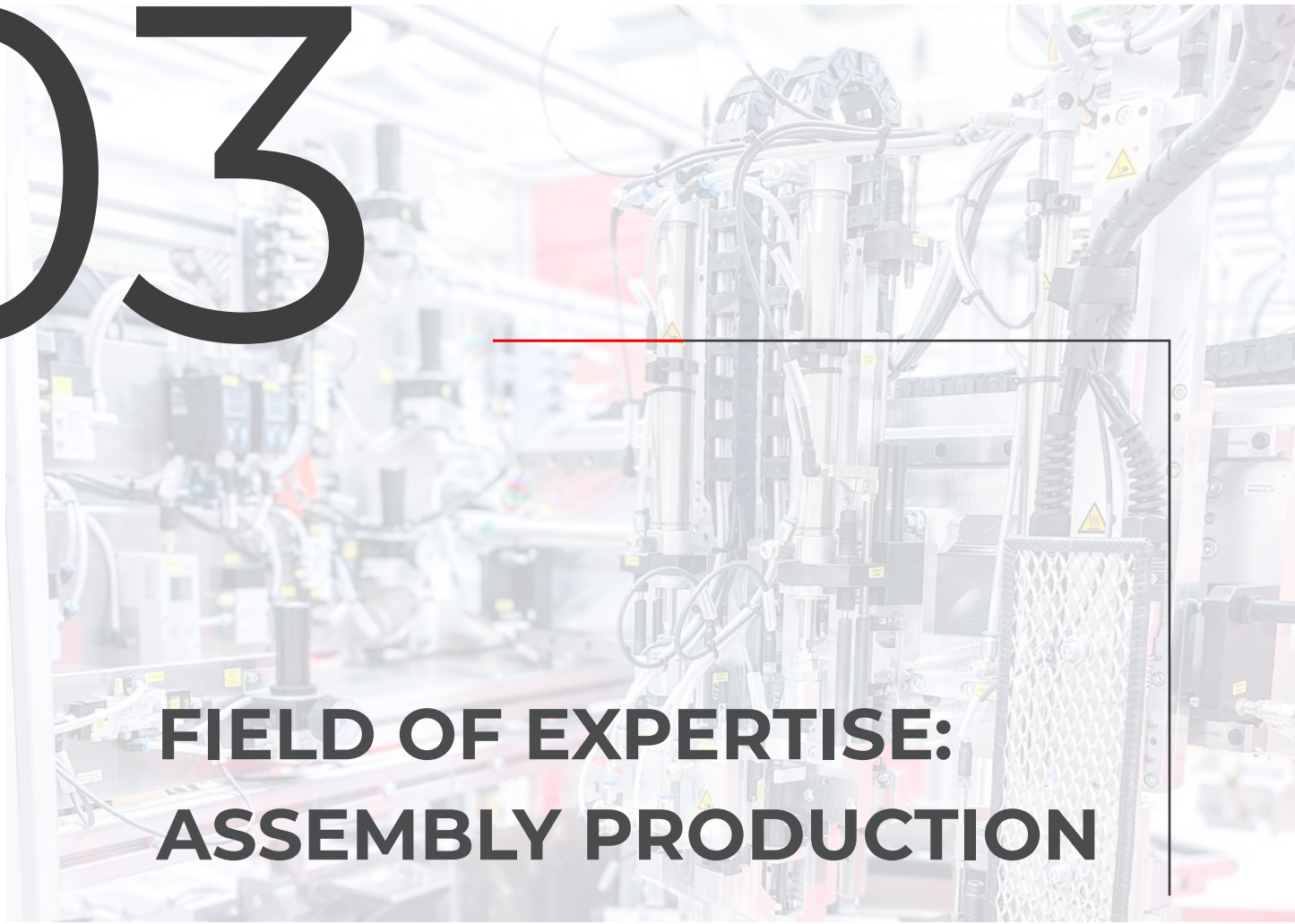
2.4 INDIVIDUAL PART AND SMALL SERIES PRODUCTION

Our range of services includes the production of prototypes, individual parts and small series according to drawings, sketches or customer samples. After a thorough analysis and definition of an efficient production strategy, including CAD/CAM programming, optimized work and test plans are implemented to ensure a smooth production process. We produce milled parts economically and efficiently in series. By working closely with our customers, we guarantee a tailor-made solution for their requirements.

Our commitment to quality is reflected not only in our reliable support, but also in the use of the latest production methods and the automation of our processing machines. This enables us to deliver the highest precision and quality.



03



FIELD OF EXPERTISE: ASSEMBLY PRODUCTION

3.1 MECHANICAL & ELECTROTECHNICAL ASSEMBLY PRODUCTION

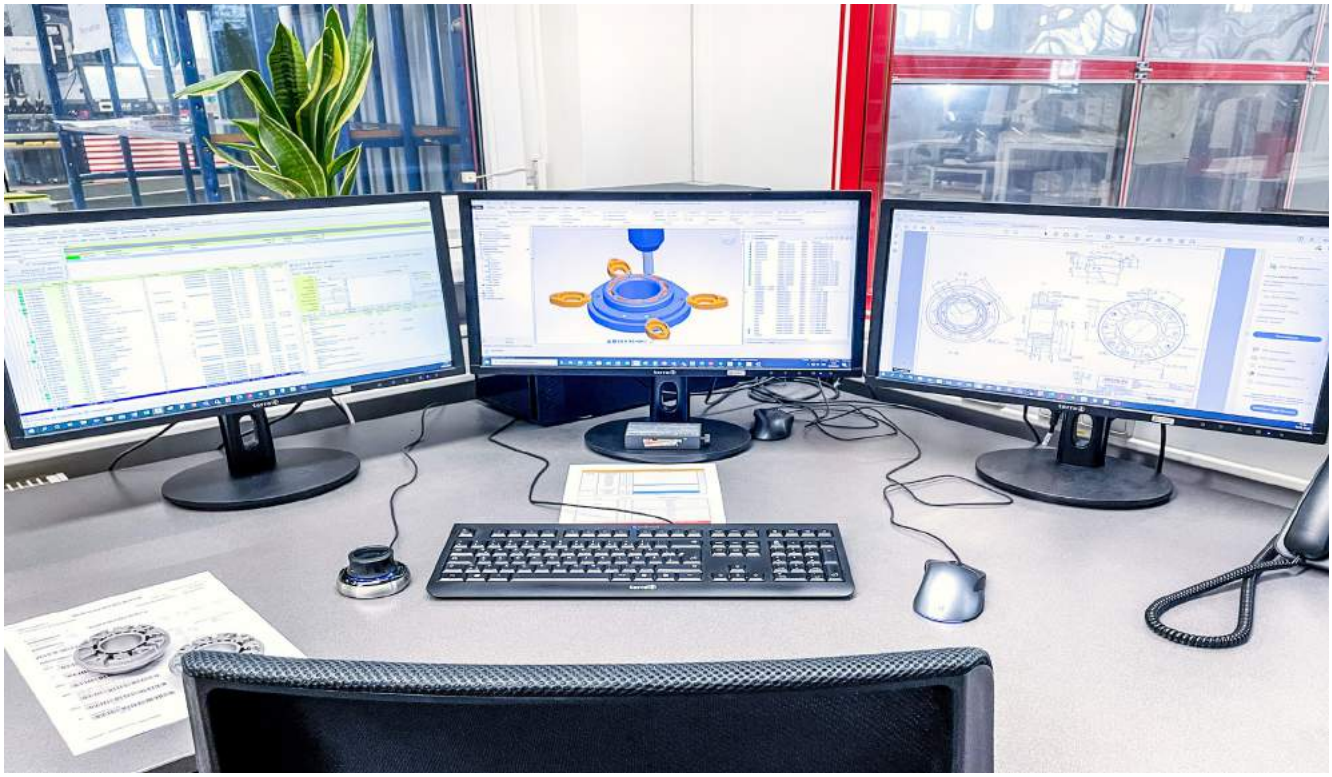
Continuous further education and training, particularly in the fields of electromechanics and mechatronics, are crucial for our specialized personnel to consistently ensure the highest quality for our customers. Through this dedication, we are capable of manufacturing complete or partially assembled electromechanical assemblies from a variety of components.

Our ongoing investment in knowledge and skills enables us to meet even the most demanding requirements and offer innovative solutions.

3.2 CAD/CAM-PROGRAMMING

PERFECTION IN EVERY DETAIL

Our FeatureCAM programming system from AUTODESK uses efficient technologies for milling/turning and erosion processes. First-class strategies for high-speed machining and many other features support our CAD/CAM programmers in meeting your requirements at the highest level. With our CAM system, we can precisely program the geometry data for the production of your parts and then manufacture them efficiently. We guarantee optimum coordination between design and production for first-class results. Our highly qualified programmers are at your side with their specialist knowledge and experience to implement your individual requirements in the best possible way.



3.3 QUALITY ASSURANCE

WITH US, YOUR QUALITY IS MEASURABLE

Our portfolio covers the entire manufacturing process for your production parts, and we offer comprehensive support from the initial inquiry through to delivery. By using the latest measuring technology, we ensure the consistently high quality of your products and are happy to document this for you.

Methodology:

- Feasibility analysis
- Plausibility check
- Initial sample test report according to VDA 6.1
- Measuring equipment management

Our measuring equipment:

- 3D coordinate measuring machine WENZEL LH65
- Surface roughness measuring device MAR SURF PS10

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Management System
ISO 9001:2015
ISO 14001:2015
ISO 45001:2018

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Where High-Tech Solutions Take Shape.

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