

MIKRONTEC

WE HAVE NO TOLERANCES

Maximum-precision products in the μm range
for the automotive industry, medical technology,
measuring industry, mechanical engineering, machining

Gauges | Measuring devices | Measuring equipment | Precision components and assemblies
Measuring and clamping tools | Injection moulding tools

PROFILE

MEASURE EVERYTHING THAT CAN BE MEASURED ...

and everything that cannot be measured, make it measurable

This maxim of Archimedes has been documented in our corporate policy for over 90 years. As such, MIKRONTEC solutions are characterised by a strong, methodical and high-precision approach: based on **broad experience in measuring technology**, we are able to design and produce **gauges, measuring devices, precision components and equipment** quickly and with high precision – whether to customer specifications or through in-house design, whether as an individual item or in series production. **This saves time and costs for our customers.**

MIKRONTEC is an authorised and certified partner to national and international companies from the **automotive industry, medical technology, the measuring industry, mechanical engineering and machining**. Each individual company in the corporate group is a unique, strong partner. MIKRONTEC pools these core competences, the flexibility and above all the potential.

MIKRONTEC – One partner for all competences.

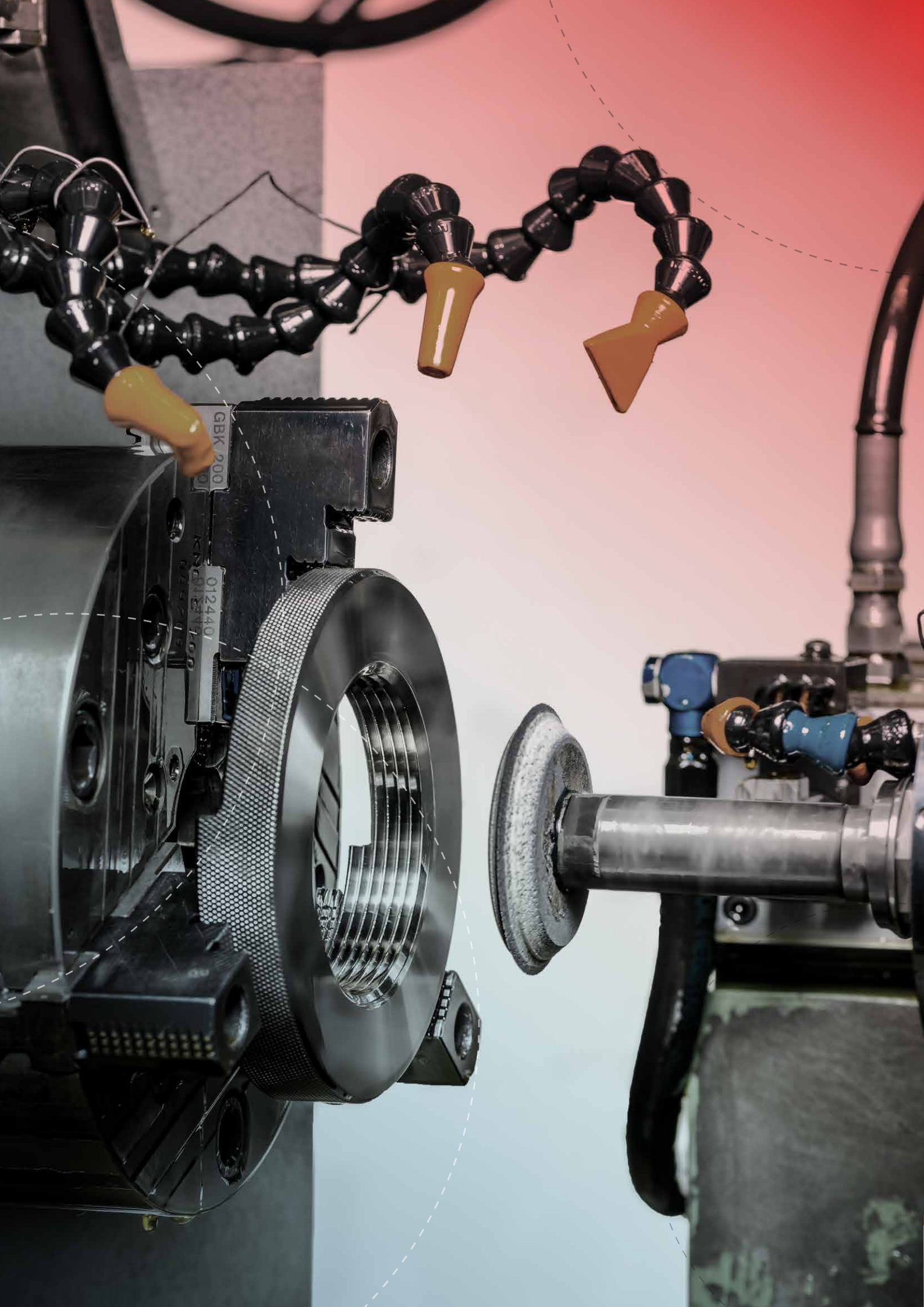
Members of the
MikronTec-Group:

MIKRON

Englert

FormTec

- Precision as a passion
- Gauges, measuring devices, equipment
- Precision components
- Production of assemblies
- From individual item to series production



GAUGES

GAUGES IN MAXIMUM PRECISION

Precision is a question of character

We manufacture an extensive range of gauges – precision is our top priority here. We produce all current gauge types as well as special products on request. Furthermore, we specialise in all possible thread standards. We keep an extensive and well-stocked warehouse; current items can therefore be dispatched even on the day of ordering.

We create competitive advantages.

- Thread gauges
- Limit Plugs and Setting Rings
- Spline gauges
- Taper gauges
- Special gauges according to drawing
- Re-Calibration service

MIKRON is one thousandth of a millimetre.
We use this term as the brand name for our products.



MEASURING EQUIPMENT

MEASURING WITH ABSOLUTE PRECISION

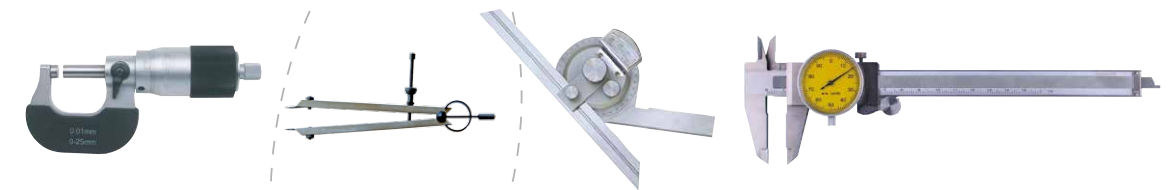
Our precision measuring equipment has no tolerances
when it comes to precision and quality

Our company has a reputation as an application-oriented specialist when it comes to measuring equipment – one result of many years of practical experience.

From simple caliper gauge to μm -precise measuring dial for ultra-precise applications, we hold a large range in our **extensive stock** for just-in-time delivery to our customers. Our staff here see themselves as **practical consultants**: with precise questions and a high level of technical understanding for all cross-sectoral measuring applications, MIKRONTEC gives you a partner on an equal footing.

Your partner on an equal footing.

- Verniers
- Outside micrometers
- Dial gauges and Stainless steel rules
- Squares
- Protractors
- Scribes, dividers, templates
- Prisms
- Precision Levels and much more
- Re-Calibration service



PRECISION COMPONENTS AND ASSEMBLIES

WE WANT OUR CUSTOMERS TO WORK PRECISELY AND ECONOMICALLY

Our components and assemblies inspire –
with maximum gauge precision

As an experienced supplier to the automotive industry and mechanical engineering, we produce precision components and mechanical assemblies of all types – with **gauge precision**. Even early on, MIKRONTEC specialised in the **design and manufacture** of components with high precision in length, diameter, angle and concentricity. With precision components too, our customers benefit from decades of experience in the manufacture of gauges.

We are therefore **internationally recognised specialists** in the technologies of **turning, milling and grinding**, where high form, dimensional and surface precision is required. All required tolerances are measured and recorded in our in-house testing room. Our range is rounded off with the manufacture of inner rings and re-pairing of roller bearings for higher precision of the bearing.

Precise consistency is part of our corporate philosophy.



- Production to customer specifications
- In-house design
- Setting masters
- Shafts, cylinders
- Housings, holders
- Measuring support
- Assemblies

DESIGN

YOU HAVE A VISION – WE IMPLEMENT IT!

Reliably and quickly.
With no frictional losses and in high-end quality.

With us, your vision and your measuring task are in the best hands.

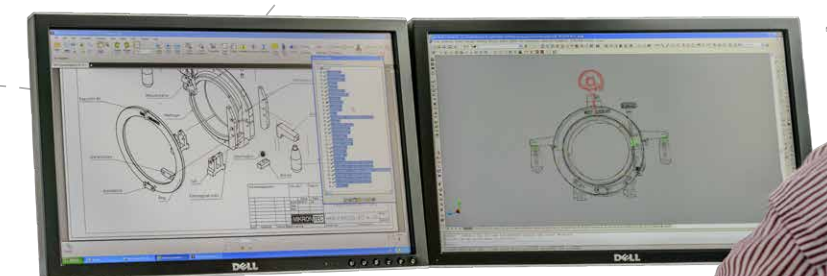
Like almost no other company in this area, our engineers and designers have concentrated on the manufacture of individual **apparatus and equipment for air measuring technology, clamping and measuring equipment, and special gauges for workpieces.**

- Design team with many years of experience
- Latest AutoCad/Inventor software
- Air gauge technology, clamping and measuring equipment
- Special gauges for workpieces

Our customers experience effective and professional care from the outset. We therefore help with more cost-effective and more efficient production and avoid high alteration costs.

Our solutions are always a **little more cost-effective, intelligent and reliable.**
This saves time and money.

When your measuring requirement becomes
our measuring requirement.



MEASURING AND CLAMPING EQUIPMENT

PRECISION AND QUALITY ARE IN OUR BLOOD

The MIKRONTEC „µm family “

What makes our measuring and clamping equipment stand out is the combination of experience, innovation and trained specialists. This is the only way for us not only to meet the requirements of our customers but regularly to exceed them: for many years, companies from the broadest range of sectors have procured equipment from us for **exact assembly, processing and measuring**. Over the years, through constant innovation, many **clamping and measuring devices** have emerged, which are used in production or in the testing room – whether equipment for a manual or an automatic measuring process.

Production can be to a specified design or we develop a practical and economical solution together with our customer.

Design and implementation through to functioning acceptance on location then all come from one source.

Optimal and economical measuring equipment guarantees rapid production processes.



- Measuring and clamping equipment
 - Manual
 - Automatic
 - Hydraulic
- Electro-pneumatic measuring equipment
- Production to specification
- Production to own design

SOLVE MEASURING TASKS WITH SOFTWARE AND MEASURING COMPUTERS

MUCH MORE THAN MERELY MECHANICAL DEVICES

Optimal interface compatibility

Trust is good; control is better. True to this adage, the focus of our innovations is on measuring and interface modules – optimised for extremely high demands in industrial use.

The **production components and programming of the measuring task** take place internally here, in-house, and rely upon the intensive cooperation with IBR as a longstanding partner (IBR bus with software) of MIKRONTEC.

Here, the solutions with respect to structure and application are absolutely flexible and can be configured according to the customer wishes. They are also excellently suited to **integration into existing systems** thanks to the interfaces available and PLC connection.

As soon as the measuring task or the dimensions of the test component change, **an update** can be performed through in-house, **simple programming**.

- Automatic evaluation of the measuring results with own laptop or PC
- Flexible structure, individually according to customer wishes
- Optimal even with existing systems: interface integration (e.g. PLC connection)
- In-house programming possible on change of dimensions and/or measuring task
- High flexibility of the measuring and interface module

Everything under one roof.
Everything from one source.



INJECTION MOULDING TOOLS

HIGH-PRECISION INJECTION MOULDING TOOLS

We improve the quality of your products

High quality in the injection moulding process always begins with the tools. Here more than anywhere else, this maxim applies: **a precise tool means high-quality injections mouldings.** We supply fully approved moulds with a full test report, from **design to series commissioning.**

Experienced designers and process engineers will advise you on subsequent feasibility even from the time of product development. Customer data provided can be processed in the broadest range of formats. Moreover, we are happy to advise our customers on:

- Design and layout of tools 1K and 2K
- Maintenance
- Control gauges and devices for injection mouldings
- Automation

With our high-performance CAD systems and latest-generation machines, our experienced staff design and produce tools at a high level of quality. We propose solutions even in advance for critical points in the process.

From product development to finished tool.





MIKRONTEC – YOUR ADVANTAGES

THE GOOD MUST GIVE WAY TO THE BETTER

Advantages on which you can build

With the high-precision solutions provided by us, it is not only our customers but also us who have grown – to our customers and with our customers. The advantages that come from working with MIKRONTEC are:

Own, state-of-the-art design

Planning and design using the latest CAD and CNC techniques

High practical process understanding

We know what matters for every single measurement

Interdisciplinary precision know-how

Measuring gauges, measuring devices, measuring equipment, assemblies, reference parts, injection moulding tools

Certified safety

DIN EN ISO 9001:2008 certified

Many years of industry experience

Automotive industry, medical technology, measuring industry, mechanical engineering, machining

High-precision and rapid μm production

Our company specialises in precision and speed with delivery on time

Understanding of business

We want your production processes to run efficiently

Your partner for precision.



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