Industrial metrology at the highest level
We measure the world.

Where absolute precision in industrial production is required, our metrology equipment is state-of-the-art. Whether it is tactile, optical or pneumatic – we are a leading worldwide manufacturer.

We are a global metrology specialist and system supplier for dimensional, form and surface measurement throughout each phase of the production process and in the measuring lab. Our range of services covers complete solutions for diverse measuring tasks, tailored to the specifications and requirements of our customers.

With decades of experience in tactile, optical and pneumatic metrology and our global sales and service network, we work closely with our customers enabling us to be a reliable partner delivering unparalleled support.

Precision is our business.
Roughness and contour metrology
- Mobile and stationary roughness measurement devices
- Contour measurement devices
- Combined roughness and contour measurement devices
- Surface measurement devices for cylinder bores
- Topography measurement devices

Form measuring systems
- Form and roundness measuring systems
- Combined form and roughness measuring systems
- Spindle measuring machines
- Crank and cam shaft measuring machines
- Form and roundness measuring systems for cylinder bores

Optical shaft metrology
- SPC measuring stations
- Automatic measuring stations
- Workpiece-specific solutions

Dimensional metrology
- Devices for optical surface inspection
- Display devices and measuring computers
- Pneumatic measurement systems
- Hand gauges
- Offline gauges
- Final inspection measuring machines

Dimensional metrology for machine tools
- Digital measuring heads
- Analogue measuring heads
- Analysis electronics
- In-process measuring devices for crank shafts

DKD calibration laboratory for roughness and length

Integration in Jenoptik AG

1876

Establishment as “Ateliers de Normandie” in Bayeux

1980

First patent for pneumatic metrology

2000

1947

Establishment as “Motomechanik” in Inkwil, Switzerland, production of components for diesel injection

1948

Development of the world’s first measurement control for cylindrical grinding machines (Studer)

1953

1937

1993

Merger to form Etamic-Movomatic
Into the future with experience. The benchmark is holistic process thinking.

The merger of Hommelwerke and Etamic-Movomatic, into Hommel-Etamic, created a global and competent system supplier and specialist for production metrology. As a medium-sized worldwide operating company, headquartered in Villingen-Schwenningen, we have an Optical Technology Center in Jena, Competence Centers in Germany, France, Switzerland, the United States and China as well as Application Centers in Spain, Czech Republic, India and South Korea.

Our approx. 500 employees at home and abroad are capable of providing our customers with comprehensive information on all questions regarding to metrology. In addition, Hommel-Etamic has representatives located in the 40 most important industrialized countries.

Hommel-Etamic sets the standard for precision. Because precision is our business.
Through the combination of two renowned traditional companies with outstanding, complementary technology potential, the foundation has been laid for a globally active system supplier with a complete range of industrial metrology – Hommel-Etamic.

Our knowledge, coupled with world class design and manufacturing facilities and our global sales and service offices, ideally positions us for local, national and international projects. Hommel-Etamic brings together all the successful technologies and methods of metrology: tactile, optical and pneumatic as well as pre-process, post-process or in-process measuring systems for the use as a PLC, on the shop floor or in a metrology lab.

In the future, measurements will increasingly need to be integrated into the actual production process, requiring the measurement procedures to incorporate intelligent solutions before, during and after the production process. Hommel-Etamic offers a complete line of metrology products and systems for the processes of today… and tomorrow, for all areas of industrial production.
Global market presence.

Companies, affiliates and representation worldwide.
Branch offices and exclusive representatives worldwide: www.hommel-etamic.com
Roughness and contour metrology

The right solution for every task.

The surface quality of a workpiece always plays a decisive role as soon as it has to carry out its given function. In these cases, a reliable check of the surface is essential.

Our pre-configured measuring stations are designed to cover the most frequently used measuring processes. For special requirements, we offer a wide range of accessories allowing system customization for a whole host of measurement tasks.

We also supply measuring stations, upon request, that are tailored down to the last detail of your individual specifications. Here, you benefit from our expertise as specialists in the conceptual design and innovation of precision metrology systems.

Both detailed and technical product information for our devices in the area of roughness and contour metrology can be found in our individual product brochures.

We also recommend:
- Flyer “Surface texture parameters in practice”
- Flyer “Hommel-Etamic twist measurement in practice”
- Flyer on our industry solutions

Roughness and contour metrology
- Mobile and stationary roughness measurement systems
- Contour measurement systems
- Combined roughness and contour measurement systems (with separate or integrated probing systems)
- Surface measurement systems for cylinder bores
- Topography measurement systems
Form metrology

Always exactly what you need.

Measurement of form deviations provide information about the quality of the parts produced, permit conclusions regarding the quality of the entire production process and help to reduce costs.

The modular design in our form measuring systems guarantees maximum flexibility for a wide range of applications.

Our product line of form measuring systems includes compact roundness measuring systems to fully automatic custom CNC measuring stations for form and position tolerances, to combined form and roughness measuring systems. For particularly large and heavy workpieces, our spindle measuring machines offer the perfect solution.

Of course, you can also receive special measuring stations specifically tailored to your measuring task.

Both detailed and technical product information for our devices in the area of form metrology can be found in our individual product brochures.

We also recommend:
– Flyer “Geometrical tolerances in practice”
– Flyer on our industry solutions
Form metrology

- Form and roundness measurement devices
- Combined form and roughness measurement devices
- Spindle measuring machines
- Crank and cam shaft measuring machines
- Form and roundness measuring devices for cylinder bores
Optical shaft metrology

Efficient – flexible – suitable for production.

Our optical, non-contact shaft metrology (the market leader in accuracy and quality), with both off-line SPC measuring stations controlled by the operator and fully automated systems for 100% part control, provides excellent benefits to our customers. The production environment places particularly high demands on installed metrology systems.

Our optical shaft measuring systems comfortably meet these demands: hardware and software are optimized for use in the production environment and are able to offer a gauging component capability with high reliability over long periods of time.

The measuring systems are extremely simple and reliable to use. In just a few minutes, solutions oriented test plans can be created and implemented. The user guidance can also be precisely adapted to the specific conditions of use.

Both detailed and technical product information for our devices in the area of optical shaft metrology can be found in our individual product brochure.

We also recommend:
– Flyer on our industry solutions

Optical shaft metrology
– SPC measuring stations
– Automatic measuring stations
– Workpiece-specific solutions
Optical shaft metrology
Dimensional metrology

Fits like a glove.

Diversity and flexibility characterize our complete line of dimensional metrology products. Our aim is to provide the optimal solution for the measuring task, the degree of automation, and the machine design.

The result that you obtain is a custom-fit solution including optimized cost efficiency. You thus benefit directly from our outstanding development experience which has been tried and tested for many years.

Pneumatic – Highest resolution. Extremely repeatable. Robust. For diameter, form and position.

Tactile – Classic multi-point technology with LVDT probes. Rapid recording of measuring values. For dimensions, form and position.

Optical – Rapid measurement. Highest flexibility. For dimensions, contours, form and position.

Both detailed and technical product information for our devices in the area of dimensional metrology can be found in our individual product brochures.

We also recommend:
– Flyer on our industry solutions

Dimensional metrology
– Devices for optical surface inspection
– Display devices and measuring computers
– Pneumatic measurement systems
– Hand gauges
– Offline gauges
– Final inspection measuring machines
Dimensional metrology for machine tools

Higher productivity with supreme precision.

The ideal solution for maximum performance during grinding and very fine machining: in-process measurement control systems from Hommel-Movomatic have been specifically developed in order to set new standards with regard to repeatability and reliability.

The wear of the grinding wheels and temperature fluctuations with regard to workpiece and coolant result in instability in production machines. The consequences are tolerance fluctuations. In-process measurement control systems eliminate these fluctuations.

The result: high production quality, reduced cycle times and improved productivity.

Both detailed and technical product information for our devices in the area of dimensional metrology for machine tools can be found in our individual product brochures.

We also recommend:
- Flyer on our industry solutions

Dimensional metrology for machine tools
- Digital measuring heads
- Analogue measuring heads
- Analysis electronics
- In-process measuring devices for crank shafts