

HAMEX
PRECISION TOOLS

Precision



Made in Sweden



HAMEX
PRECISION TOOLS

HAMEX is a Swedish Company founded in 1964.
Head office and Production in the city of Linköping.

HAMEX has from the very beginning manufactured Customer Specified Tools and Parts in Tungsten Carbide and other Demanding Materials.

Our Expertise are Complicated Designs and Extreme Narrow Tolerances.
We offer from single unit manufacturing to serial production.

Our core competences

- ✘ Mechanical Precision Measuring Tools
- ✘ Advanced Machine Tools and Parts
- ✘ Precision Grinding Services
- ✘ Extreme Parts

Customer references

- ✘ Military Weapon & Ammunition Manufacturers
- ✘ Medical Equipment Manufacturers
- ✘ Automotive Manufacturers
- ✘ Fastener Manufacturers
- ✘ Other Qualified Manufacturing

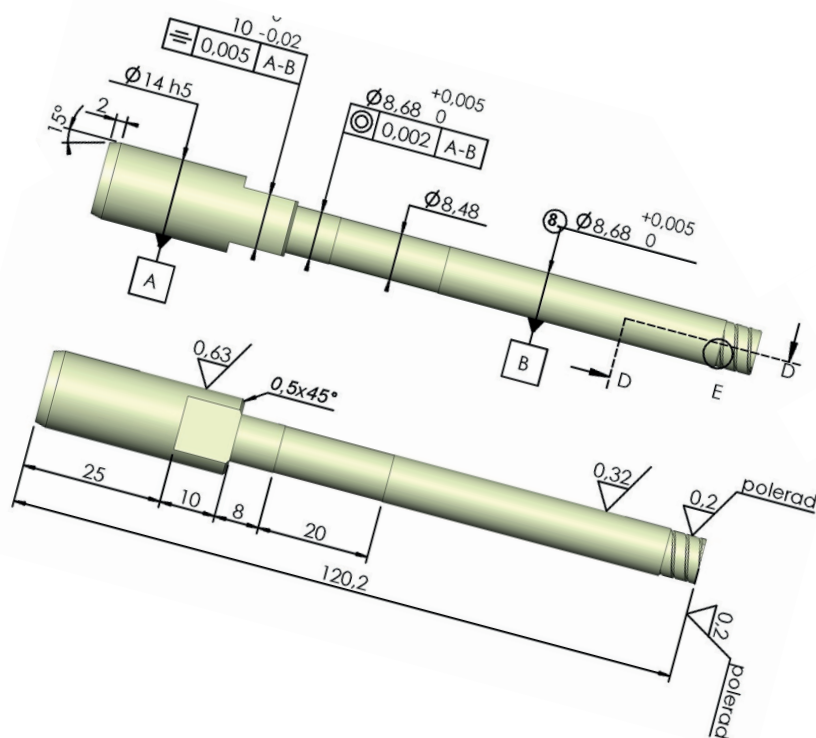
Our Offer is Precision

HAMEX are specialists in Non Standard Precision Tools and Parts. Customers on all continents trust us to reaching up to the most demanding specifications.

Whatever solution or specialised Tool or Part you need, we will make it for you, thanks to our unique production technology, accuracy and experience.

Tolerances

- ✘ Tools and Parts +/- 0,001 mm
- ✘ Specified Grinding Operations +/- 0,000039 inch
- ✘ Surface Roughness Tungsten Carbide +/- 0,0005 mm
- ✘ Surface Roughness Tungsten Carbide +/- 0,000020 inch
- ✘ Surface Roughness Tungsten Carbide Ra 0,02



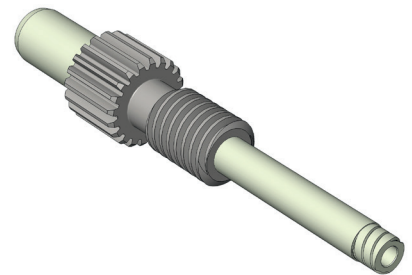
Mechanical Precision Measuring Tools

HAMEX manufactures Non Standard Mechanical Precision Measuring Tools from Customer Specifications.

In Tungsten Carbide or other Specified Demanding Materials.

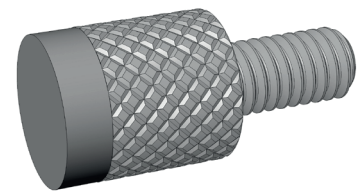
Master & Setting Gauges

Customer Specified Master & Setting Gauges with complex design and narrow tolerances



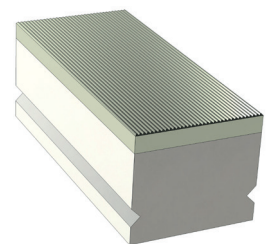
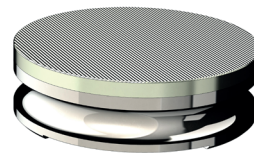
Measuring Probes

According to Customer Specifications, for the special measuring needs



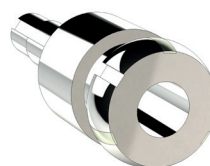
Anvils for Comparator Gauge Stands

High Precision Anvils for comparator gauge stands



Fixed Gauges

We manufacture Custom Specified advanced precision Fixed Gauges

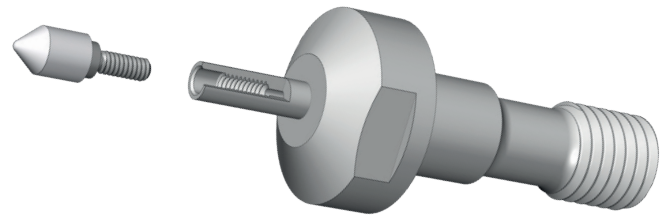


Machine Tools & Parts

HAMEX manufactures advanced Machine Tools and Parts from Customer Specifications, from single unit to serial production. In Tungsten Carbide or other Specified Demanding Materials.

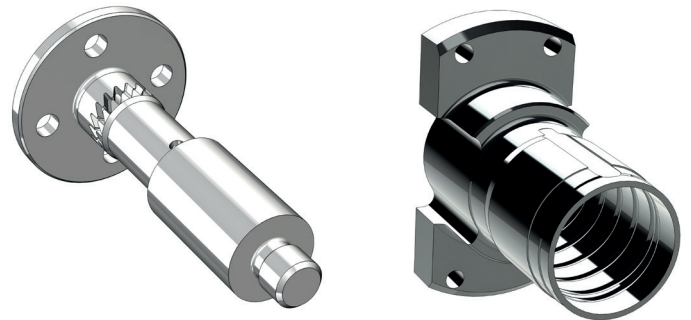
Machine Tools

- ✘ Grinding Quills with extreme precision for advanced CNC operations
- ✘ Punches & Dies
- ✘ Matrices
- ✘ Cutting Tools
- ✘ Other Special and Precision Tools



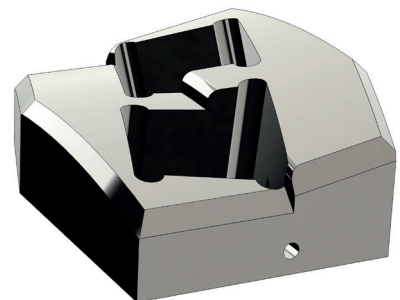
Parts

- ✘ Advanced Prototypes
- ✘ Single Unit Production
- ✘ Other Special and Precision Parts



Material

- ✘ Tungsten Carbide
- ✘ Densimet
- ✘ Tool steel
- ✘ Hardened steel
- ✘ Ceramics
- ✘ Other materials according to customer specifications



Grinding Services

Subcontract grinding with Precision

HAMEX are specialists in Precision Grinding.

Our production are optimized and quality verified from urgent single unit grinding to planned serial subcontract grinding.

We work with advanced highly efficient CNC grinding machines and in manual precision machines manned by our very experienced grinding specialist operators.

We Offer

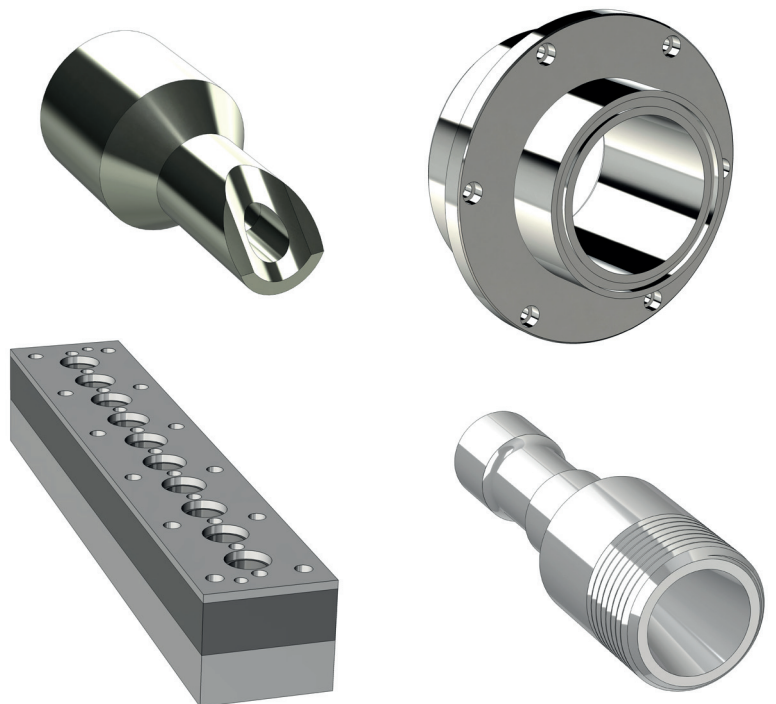
- ✘ Standard Grinding Operations
- ✘ Specified Grinding Operations

Tolerances

- +/- 0,001 mm
- +/- 0,000039 inch
- +/-0,0005 mm
- +/- 0,000020 inch

Grinding Operations

- ✘ CNC Grinding
- ✘ Surface Grinding
- ✘ Tool Grinding
- ✘ External Cylindrical Grinding
- ✘ Internal Cylindrical Grinding
- ✘ Thread Grinding
- ✘ Jig Grinding
- ✘ Polishing
- ✘ Lapping
- ✘ Honing



Extreme Parts

HAMEX manufacture small parts with demanding design and extreme tolerances. We manufacture from single unit to smaller series. Our competences for extreme parts in especially Tungsten Carbide are normally globally unmatched.

Example of Extreme Part

Part: Customer Specified Probe with Brazed Calibration Sphere

Material: Tungsten Carbide

Tolerances: +/- 0,001 mm / +/- 0,000039 inch

