



Your partner **Metrology Control**

Specialist in Metrology and Dimensional Control for over 50 years.
Located in Marnaz, in the heart of the Arve valley in Haute-Savoie, the 2000 m2 Technocentre is dedicated to **measurement tools and calibration** services, as well as **repair, design, manufacturing, and automated controls**.

- ✓ A premium customer service : with stock availability, timely delivery, quality products and technical expertise
- ✓ Unique expertise.

www.pms-becus.com

Our Measurement and Control products

LARGE PHYSICAL STOCK AVAILABLE

A complete range

Discover our full range of products for measuring and controlling your parts. We represent the leading brands of instruments and machines.

Non-exhaustive list

Mitutoyo

Mahr

TESA
TECHNOLOGY

Leica

sylvac

DIATEST

Kroeplin

HEIDENHAIN

Ash
Vision for industry

T&S
TECHNOLOGIES

Vision
ENGINEERING

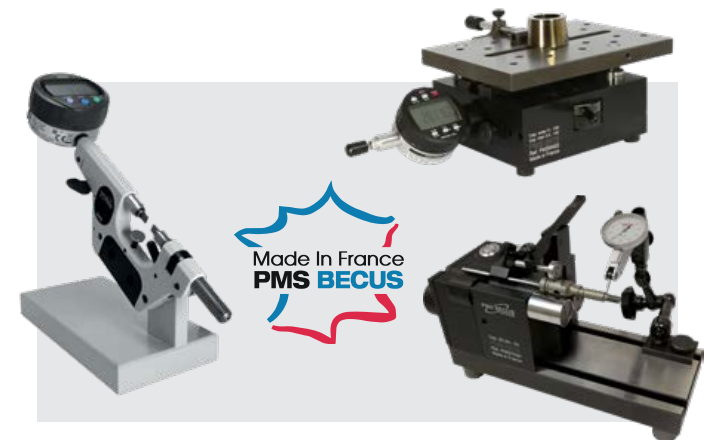
Echwenk

Also discover our PMS Made in France range, developed by us for your precision needs.



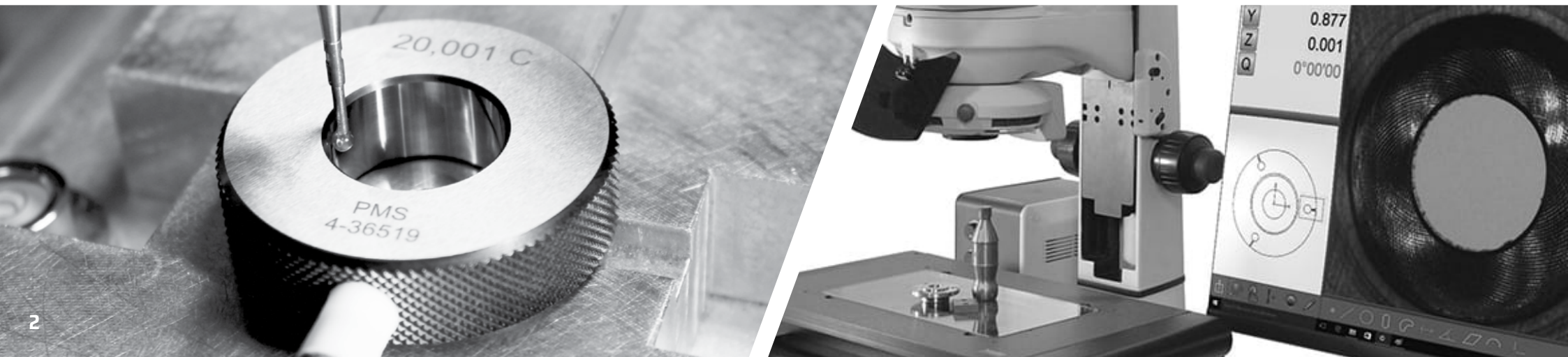
Calipers, Gauges, and Gauges blocks

Rings, plain and thread plugs, Torx®, hexagon sockets...
Standard and custom-made, according to customer specifications.
All sizes available.



Measurement benches - Control solutions

Standard or custom-made, and for all applications :
Passameter, Measuring Machines, Inspection Tables...
Concentricity, runout, straightness, measurement of inner and outer diameters...



Instruments, Gauges, and Machines...



Inspection / Measurement instruments

Vernier calipers, dial indicators, inside/outside micrometers, probes/touches for dial indicators, depth gauges...



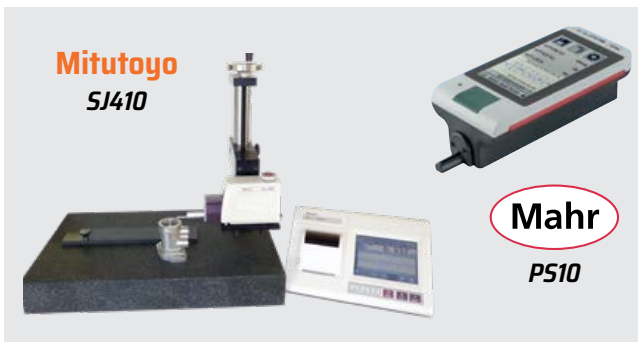
Visual inspection systems

Detection of any surface defects : cracks, scratches, porosity, shrinkage cavities, cold shuts, lines, wrinkles, splits.



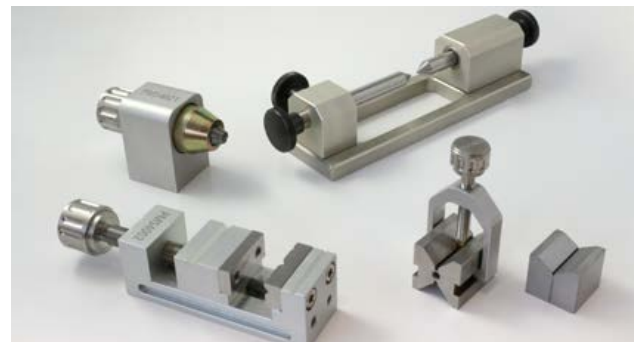
Optical, Video and Touch Probe Measuring Machines

Perform complex measurements quickly and easily.
Contour/profile measurement, 3D inspection...



Surface states - Roughness - Hardness tester

Measurement with or without skid, standalone or PC-based.



Measurement accessories

To facilitate the setup and positioning of your parts before inspection : vices, V-blocks, chucks, centers...



Displays and sensors

Data acquisition, display and measurement management, multiplexers.

Design and Engineering - Custom inspection solutions

An engineering department for custom-made products !

We study and develop specific solutions to address your measurement and control issues : **from simple workshop installations to control stations integrated into your production line.**

- ✓ Jigs, fixtures, standards, measuring benches
- ✓ Specific control gauges according to plan
- ✓ Measurement fixtures for coordinate measuring machines and 3D machines
- ✓ Measurement support in steel, aluminum, and plastic
- ✓ 3D printed plastic measurement support
- ✓ Simple, multi-dimensional, pivoting, and double control assemblies
- ✓ Automated assembly at the production line edge

The design office is equipped with workstations as well as Solidworks and Creo CAD design software.



**“ We offer all types of measuring devices.
If they do not exist, we create them. ”**



Automated controls - Robotics

Dimensional control, inspection, sorting, handling :
Automate your means for optimal performance !

Control technologies used :

- ✓ Telecentric HD camera, laser
- ✓ Inductive probes, eddy current, ATEQ control
- ✓ Custom Poka-Yoke, Etamic plugs/rings (non-contact pneumatic).



Hanwha
Robotics

INDUSTRIE **4.0**

Precision manufacturing

A specific production workshop !

We ensure the production and maintenance of PMS measuring devices, from design to final tuning : roughing, straightening, lapping, plating, grinding, adjustment...

- ✓ Grinding : flat and internal/external cylindrical
- ✓ Lapping : flat and cylindrical
- ✓ Wire electrical discharge machining : standard and fine
- ✓ Die sinking EDM
- ✓ Polishing
- ✓ Brazing
- ✓ Turning and milling
- ✓ Laser engraving



FACTORY



Manufacturer of control gauges

SPECIFIC TOUCH PROBES



THREAD

M or UN profile
ISO 1502 standard



PLAIN

ISO 1938 standard



TORX

ISO 10664
NF EN 4359
Or client-specific standard



POLYGONAL

2/3/4/6/8 SIDES
NF 590-411
or ISO 23429



CALIBERS

As per the plan



WORKHOLDING

Geometrical



THREAD

Asymmetrical Type S
NF E03-612

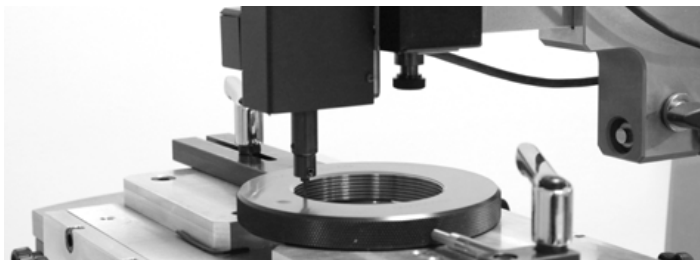


LUER

ISO 80369-7
and ISO 596



Calibration Laboratory



COFRAC accreditation (ISO 17025) since 2002

Calibration and verification services can be performed **under COFRAC accreditation** (n°2-1658) based on our scope of accreditation (consultation on the COFRAC website). We conduct over 100,000 calibrations of devices or gauges each year. **We also provide on-site services to our clients**, according to your requirements.

Our laboratory has a surface area of 250 m² with a controlled temperature of 20°C ±1° or ±0.5°. The humidity is also monitored to ensure high-precision measurements (up to 0.01 µm).

Turnaround times

STANDARD 5 days

EXPRESS 24 - 48 hours (reservation preferred)

Measurement Equipment Management Web Platform

Save time with an ultra-simplified, intuitive, and customizable MME (Measurement Equipment Management) platform! Track and schedule calibration in-takes and out-takes, **download your certificates, send reminders... and avoid duplicate data entry.**

The application is developed in-house, allowing for regular and automatic updates.

Feel free to request a free demonstration from us!

Measurement service : 100% quality service !

We are equipped with modern measuring benches, high-tech and automated machines, and skilled technicians to support you in your measurement processes.

- ✓ Parts, samples, tools, templates... whether they are simple or complex.
- ✓ Measurement, expertise, production monitoring, capability studies...

Repair and Maintenance

FREE QUOTE !



The workshop for instrument calibration and servicing

A comprehensive range of technical services !

“ Don’t throw away your measuring devices anymore ! ”

- Up to 70% savings on the price of new
- Short lead times upon request
- Repairs using original manufacturer parts
- Devices : calipers, micrometers, Cé, comparators, columns, lamps, binoculars, sensors, plug gauges, benches...



REVISION

- ✓ Disassembly
- ✓ Inspection - Repair

REPAIR

- ✓ Replacement of parts
- ✓ Cleaning

RETROFIT

- ✓ Lubrication
- ✓ Calibration



Entrust your instruments to us



Mitutoyo



HEIDENHAIN



ETALON, BECUS, BOWERS, BROWN & SHARPE, CEJ, COME, HARTIG, ISOMA, MARCEL AUBERT, MERCER, MICROTEST, MYTAST, PERTHEN, PMS, RAMBOLD, ROCH, SABI, STEINMEYER, TAVANNES



GAUGES - PLUG GAUGES - INSTRUMENTS

Plain and thread - Gauges blocks
Measuring accessories



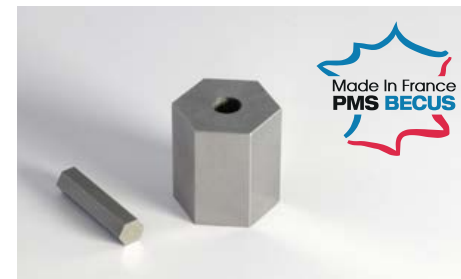
MACHINES - MEASUREMENT BENCHES

Inspection and Measurement, Optical Scanning
Profiler, MMT (Three Dimensional Measuring Machine)



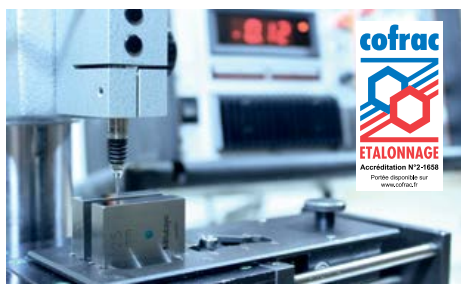
DESIGN AND ENGINEERING

Control fixtures / Mounting systems
Customized solutions



PRECISION FABRICATION

Control gauges, jigs, probes...
Special: according to customer specifications



CALIBRATION LABORATORY

COFRAC-accredited - Expertise and Measurement
Web-based Measurement Equipment Management



REPAIR - AFTER-SALES SERVICE - REVISION

All devices - All brands
Mechanical, electronic, optical



AUTOMATED CONTROLS - ROBOTS

Dimensional control - Inspection - Sorting
Loading - Unloading - Handling



SIGNIFICANT PHYSICAL STOCK

Over 15 000 items in stock
24-hour delivery across France

PMS BECUS
MÉTROLOGIE



All metrology from a single supplier !

PMS BECUS Métrologie
546 avenue des Amaranches
ZAC Ecotec - F-74460 MARNAZ



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