AEROEL
DLabL

Die diameter checking is now easy, quick and accurate.

**1 sec. measurement time!**

±0.1 µm repeatability!
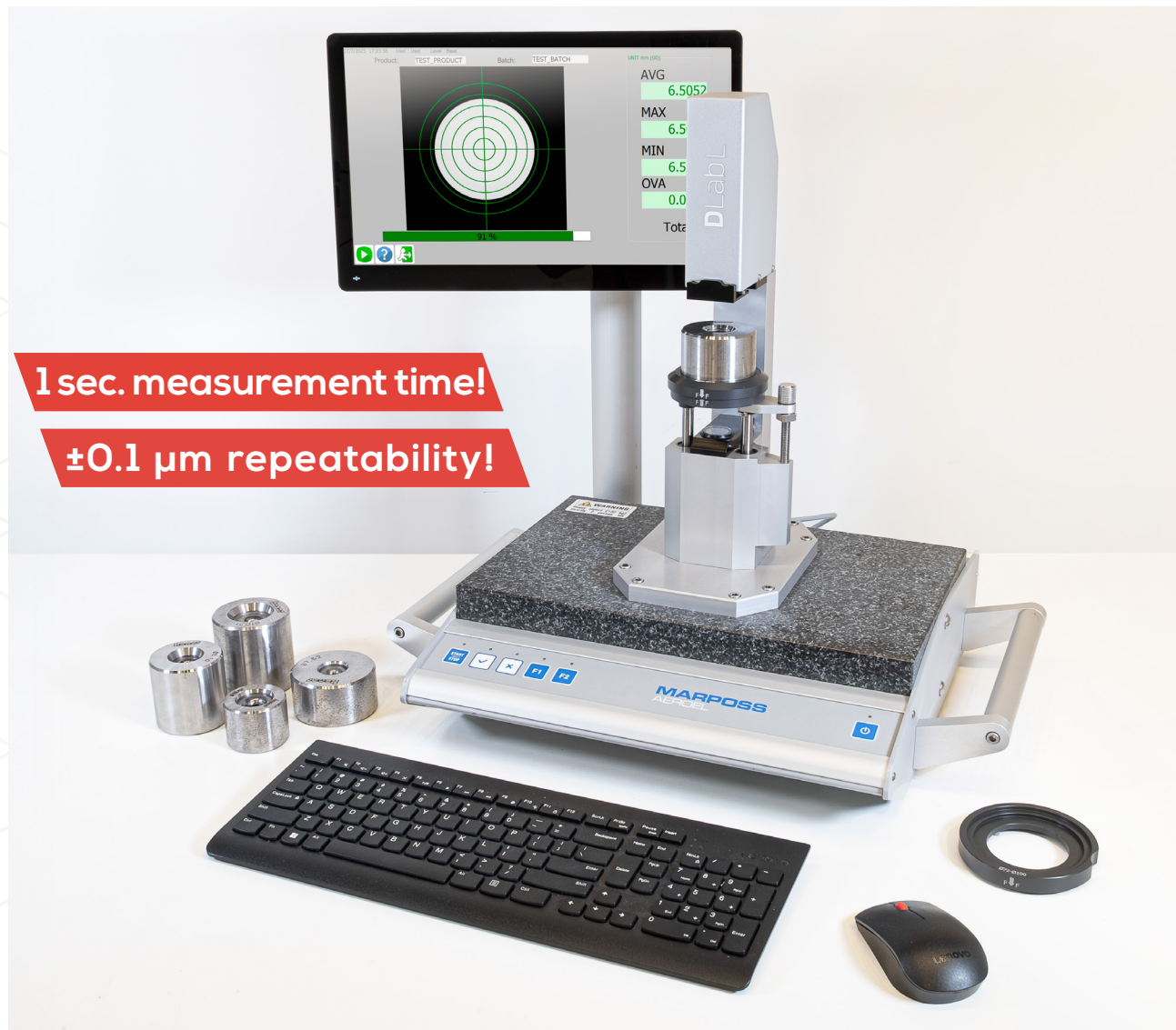
D-Lab is a high performance, easy to use die checking equipment. Very efficient and very quick to control diameter and ovality of drawing dies. Repeatable and objective results not affected by operator's skill.

- Contactless measurement.
- Based on telecentric optics and LED collimated illuminator.
- Image analysis using 2D CMOS sensor and subpixel edge detecting algorithm.
- Highly flexible: different dies can be measured without system re-mastering.
- Rugged construction suitable to be used in workshop environment.
- All In One embedded PC using high reliability motherboard designed and made in Italy.
- All measured data saved in memory and ready to be exported or printed.
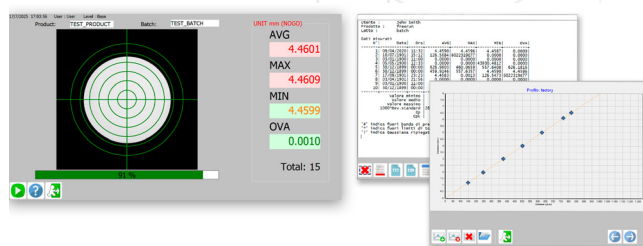
MARPOSS

SPECIFICATIONS
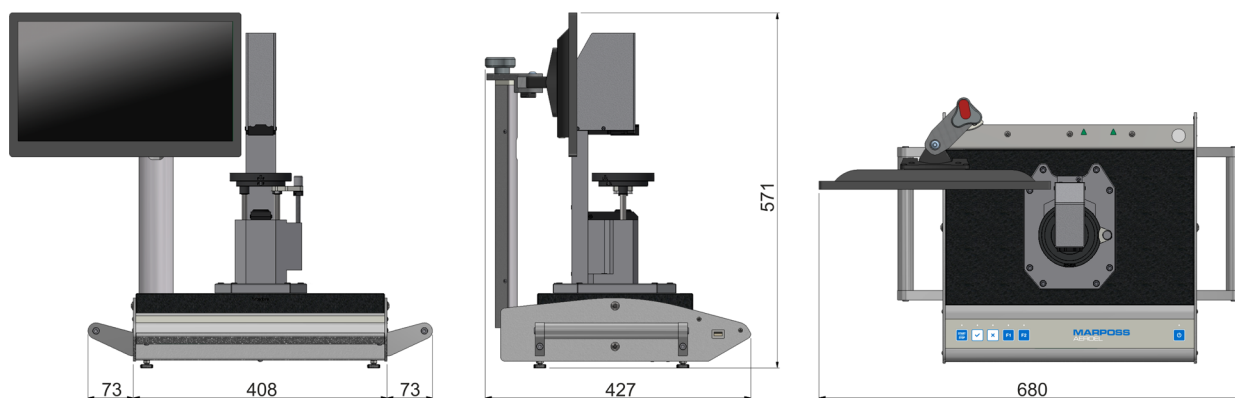
All dimensions are in mm - Removable handles

Easy to use
The software has been designed to be extremely user friendly and very flexible.

Quick tolerance check
Diameter and ovality can be compared with a pre-set nominal value and a tolerance range: colors will immediately display the tolerance status of the part.
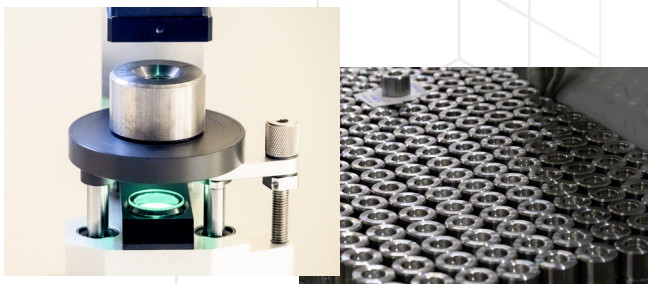
Part library for easy programming
An almost unlimited number of control sets (tolerance limits, measuring mode, etc.) can be stored in a "part library".

Report printing and exporting.
The measurement results can be saved in the computer memory or exported in "text" or "CSV" format.
A statistical report is available which can be immediately printed by using a standard PC printer.

Measuring range	0.25 - 10 mm
Repeatability	± 0.1 µm
Accuracy	± 1 µm (for 0.25 ≤ Ø < 6 mm) ± 2 µm (for 6 ≤ Ø ≤ 10 mm)
Measured dimensions	Diameter (AVG, MAX, MIN) and Ovality
Resolution	0.1 µm
Measuring time	1sec
Max casing size	Diameter 100 mm, Height 75 mm
Max casing weight	4 kg
Power Supply	24 VDC; 50 W max
System Dimensions	418 mm x 406 mm x 640 mm
System Weight	27 kg
Operating Temperature Range	10 - 40 °C

Specifications subject to change without notice