

# AEROEL D Lab

Die diameter checking is now easy, quick and accurate.

100%



MADE IN ITALY



1 sec. measurement time!

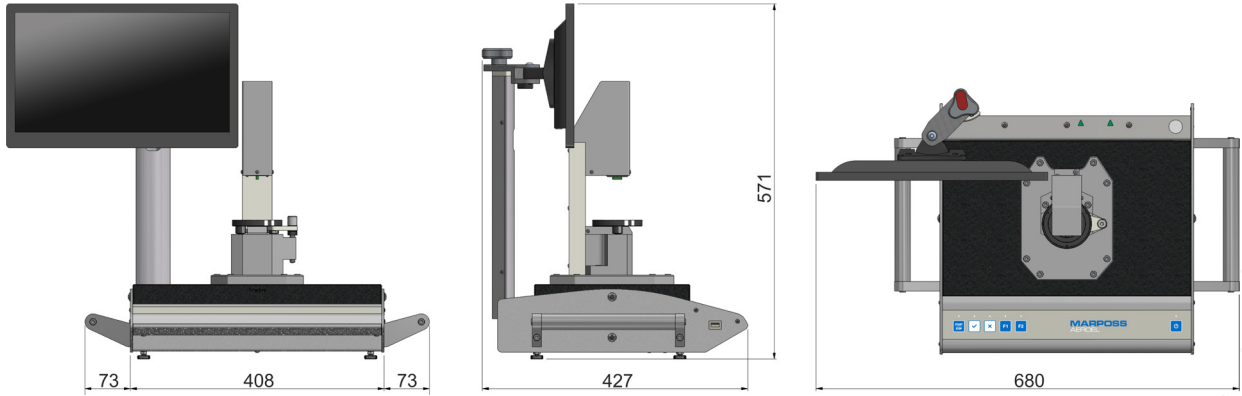
$\pm 0.1 \mu\text{m}$  repeatability!

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



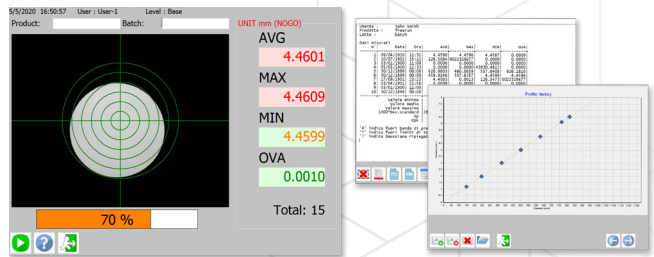
All dimensions are in mm - Removable handles

## 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.

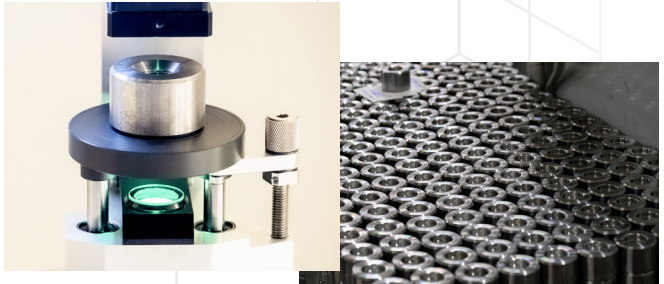


## Part library for easy programming

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.



<b>Measuring range</b>	0.5 - 8 mm	
<b>Repeatability</b>	± 0.1 µm	
<b>Accuracy</b>	± 1 µm (for 0.5 ≤ Ø < 6 mm)	± 2 µm (for 6 ≤ Ø ≤ 8 mm)
<b>Measured dimensions</b>	Diameter (AVG, MAX, MIN) and Ovality	
<b>Resolution</b>	0.1 µm	
<b>Measuring time</b>	1 sec	
<b>Max casing size</b>	Diameter 95 mm, Height 50 mm	
<b>Max casing weight</b>	0.9 kg	
<b>Power Supply</b>	24 VDC; 50 W max	
<b>System Dimensions</b>	418 mm x 406 mm x 640 mm	
<b>System Weight</b>	25 kg	
<b>Operating Temperature Range</b>	10 - 40 °C	

Specifications subject to change without notice

