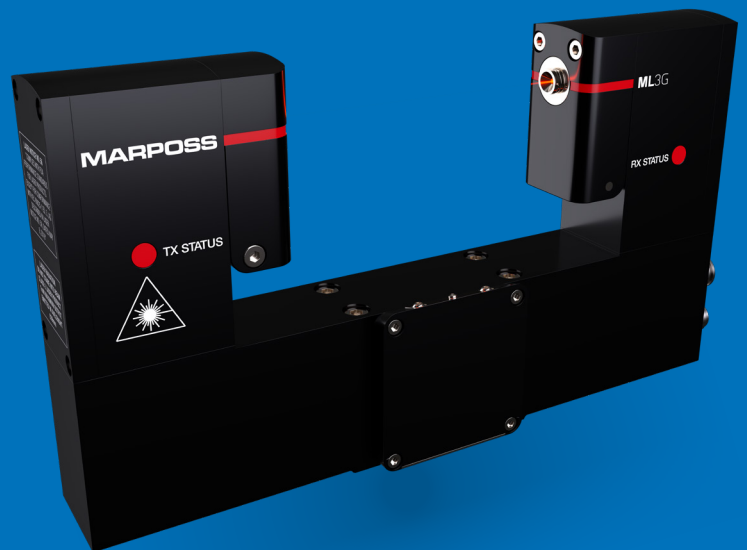


# MARPOSS

## ML3G

NEW GENERATION NON CONTACT  
TOOL SETTER ON MACHINE TOOL



# ML3G

## SYSTEM DESCRIPTION

ML3G is the Marposs third generation laser technology that set a new standard in non-contact tool setter on machine tools. ML3G is mainly used to make precise tool pre-setting (measurement of tool diameter and length) as well as tool breakage detection, integrity verification, and cutting-edge profiles scanning. All this translates into reduced scrap and increased production.

Several are the innovations introduced by ML3G: an enhanced processor for faster measurement speeds that reduce cycle times and enable new advanced types of control. Innovative shutters to ensure a perfect sealing, along with a new fixing system to facilitate maintenance operations. An integrated air blower for tool cleaning and a general reinforce of the mechanical structure to guarantee the best performances also in the most critical operative conditions.

## BENEFITS

- ▶ **Fast and accurate measurements to maximize production and reduce scraps**
- ▶ **Inspections in dynamic conditions, with the tool rotating at the real cutting speeds**
- ▶ **Measurement of small and fragile as well as coated tools without risk of damage**
- ▶ **Maximum protection against coolants and chips**
- ▶ **Versatile solution: available in 4 lengths and 3 mounting**



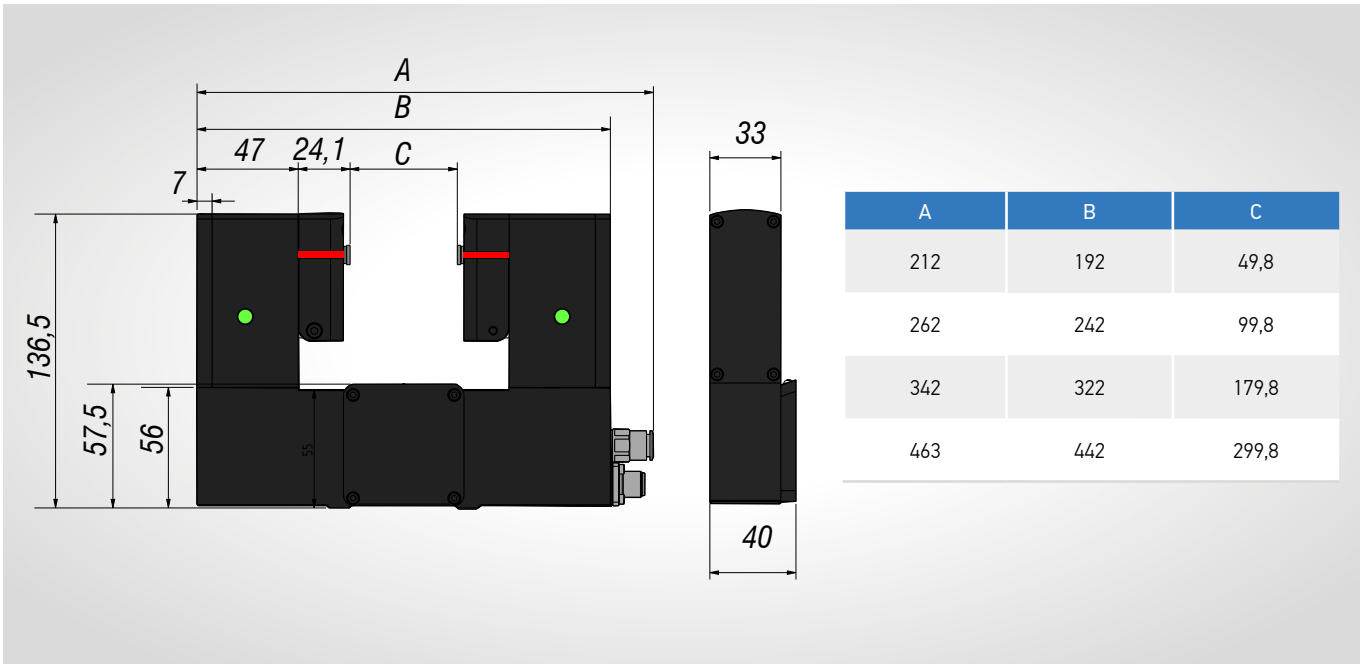
### GENERAL SPECIFICATIONS

|                      |   |
|----------------------|---|
| REPEATABILITY        | $2\sigma \leq 0.2 \mu\text{m}$                |
| MINIMUM Ø MEASURABLE | $\geq 0.03 \text{ mm}$                        |
| PROTECTION RATING    | IP68  |
| OPTICAL PROTECTION   | 1. Mechanical shutter<br>2. Air blower system |



AVAILABLE VERSION

ML3G is available in multiple configurations, offering four lengths and three mounting options to suit a wide range of machine setups






**MARPOSS**

**marposs.com**



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