



Optical measuring machine for small cylindrical elements

A clear - cut solution for dental implantology, biomedical technology, the watch-making industry and micromechanic applications

X Series MTL X5 / X10



An exclusive solution in the sector

Especially designed for extremely minute micromechanical components.

High resolution

Inspects the external profile of even extremely small parts, thanks to a measuring field of up to 16 x 100 mm.

Objective measurements

Any operator can check production, regardless of their measuring skills. A simple click to run the measuring program, and in a matter of seconds, a clear and detailed result of the component is on screen.

Data collection

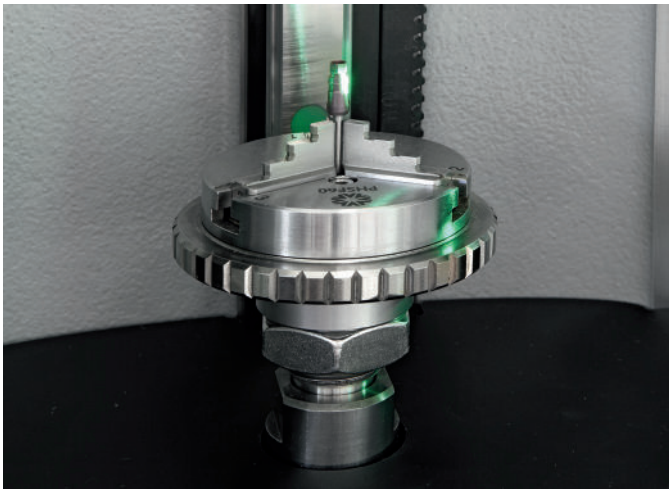
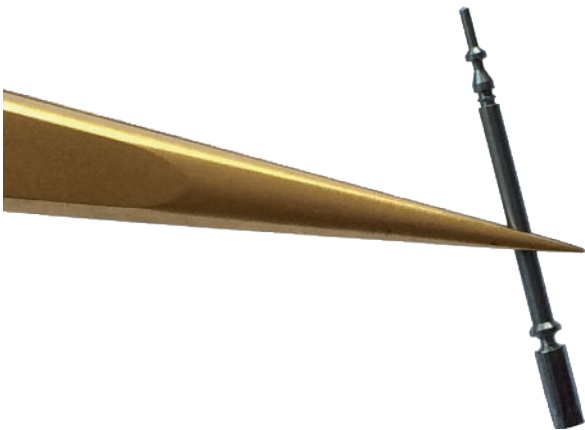
All the data are collected by the system for statistics and traceability purposes to produce measurement reports and to monitor the production trend, meeting the needs of Industry 4.0.

Designed for small components

The design facilitates loading and unloading operations, even with difficult to handle parts.

No openings or undercuts in the machine eliminates the risk of small parts falling.

The best way to measure small components



For specific applications

MTL X stands out for its extreme efficiency in measuring complex elements such as straight and conical systems, abutments, expanders, caps, cover screws, ball attachments and titanium pivots.

Hundred of functions in a single tool

The machine takes the measurements on an enlarged live image of the part to automatically obtain lengths, diameters, angles, radii, bevels, and threads of even the smallest details, eliminating the unreliability of manual measurements, and with the advantage of an automatic, high-speed, accurate and objective inspection. In addition, a part rotating system measures any possible shape defects.

	Measuring field	Max. loadable sizes	Accuracy Ø - L	Repeatability Ø - L	Size LxDxH mm	Power supply		
						Voltage	Frequency	Nominal power
MTL X10	100x8 mm	270x90 mm - 3Kg	$1,5 + D[(mm)/100]] \mu m$	0,4 μm / 3 μm	560x660x860 mm	230 V	50/60 Hz	1,73 A
MTL X5	100x16 mm		$4 + L[(mm)/100]] \mu m$					

