Optical measuring machine for cylindrical elements

The easier way to cut costs, become flexible and qualify your company
MTL 1 offers top of the range performance in a practical and compact optical measuring machine specifically for turned parts up to 300mm in length and 60mm in diameter.

**Productivity**
- Shop floor friendly
- Enclosed optics prevent possible damage during loading and unloading
- Acquire full part image with rapid vertical scan to extract key characteristics and dimensions
- Full profile view of a part acquired in seconds
- Dynamic rotational scans allow for automatic positioning
- Spot process trends before dimensions are out of tolerance

**Ease of Use**
- Easy self part recognition and self programming capabilities
- Single click activates the part program
- Dozens of part measurements are accomplished in a few seconds, resulting in detailed feedback
- Adjustable upper tailstock moves easily on a prismatic guide to accommodate various size parts

**Functionality**
- Validate production and produce reports on measuring trends
- Monitor machine tool performance and wear to optimize feedback on tool offsets
- Simplify complex measurements using optional built-in cam and turbine tools

**MTL 1 Features**
- Designed for working environments with high quantities of oil present
- Open top and front design provides an open work envelope making both small and large parts easier to load
- Options available for digital I/O and automation for fully automated cells
- Equipped with a double temperature compensation system and unique “Air Flow” cooling system perfect for the shop floor
- Includes step-master, a built in calibration system that guarantees accurate measurements in tough environments

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<th>Technical Specs for MTL 1</th>
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*Data above refers to measurements taken with a temp of 20°C on clean and reflected surfaces. Data may vary according to shape and surface condition of the pieces. 230 V step up transformer included*