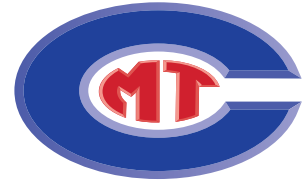


# CONCEPT MACHINE TOOL

## Metrology Spotlight

Bringing you the newest products and technology.



## OPTICAL MEASURING MACHINE FOR CYLINDRICAL ELEMENTS

Enables operators to inspect production without specific measurement know-how!

The M1 offers top of the range performance in a practical and compact optical measuring machine for turned parts. The machine acts as an enlarger, eliminating the unreliability of manual measurements and offering the advantage of a fully automatic, complete, rapid, precise and objective inspection. Vici Vision takes the measurements on a very enlarged image of the element to automatically obtain lengths, diameters, angles, radii, bevels and threads of even the smallest details. Possible shape defects of the piece can also be measured by means of a rotating system.

### Increased Production

- Inspections in a matter of seconds, programs in just minutes
- Operators are more independent during inspection
- Measurement is not influenced by manual intervention
- It allows to set tool offset before values are out of tolerance

### Greater Efficiency on Smaller Batches

- It helps operators in batch changeover
- It allows rapid batch changing
- It can be used by more than one operator at the same time

 **VICIVISION**

**M1**

Technical Data	M1
Max. measurable piece	300x600 mm
Max. piece to be loaded	315x120 mm
Max. weight to be loaded	10 kg
Measurement accuracy on dia.	$(2+D[\text{mm}] / 100) \mu\text{m}$
Measurement accuracy on length	$(5+L [\text{mm}] / 100) \mu\text{m}$
Measurement repeatability on dia.	0,4 $\mu\text{m}$
Measurement repeatability on length	3 $\mu\text{m}$
Vertical scanning speed	100 mm/s
Rotational scanning speed	1080 °/s
Machine's Weight	160 kg
Power Supply	230V - 50/60 Hz
Dimensions LxWxH	650 x 860 x 1041 mm



Additional Sizes Are Available: M2, M3

# ZEISS COMET L3D-2 Sensor 3D Scanning Blue Light LED Fringe Projection



The ultra-compact 3D sensor offers great flexibility, a high measuring speed and impressive performance

## Product Highlights:

- Fast Measuring Times
- Quick and Easy to Change the Field-of-View
- Low Consumable Costs
- Single-Camera Technology
- Ultra-Compact
- Lightweight
- Easy Portability
- Offers the Possibility to Measure Delicate and Fragile Objects



## Areas of Application:

- Quality Control
- Inspection
- Mold Making
- Tool Making
- Design
- Rapid Manufacturing
- Reverse Engineering



Resolution: 2448 x 2050

request YOUR COPY TODAY!



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## L1 FORCE MEASUREMENT

Force Testing Systems

Digital Force Testers

Load Cell Sensors

Force Gages

Manual Force Testers

Accessories

### FORCE TESTING SYSTEM

Optimized for production and quality control testing, the L1 is designed to be easy to setup, operate and maintain. L1 Systems can be used to create your test methods quickly using test templates that guide you through the test setup process. Perform a wide variety of testing methods including; load limit, distance, beaking limit, cyclic count, cyclic duration, constant load and constant distance.

- The L1Force Testing System is available in three capacities: 110lbf, 330lbf, 550lbf
- Easily perform load, distance, beak, cyclic, constant load and distance testing
- **Review results in multiple formats including; results; graph, data, tolerance, and statistics**
- Reference distance travel ruler
- Adjustable, magnetic travel limits
- The 2-in-1 L1 tablet features a 10", high-resolution, touchscreen, color display with three USB 2.0 ports
- The L1 application software lets you create your test methods quickly using test templates that guide you through the test setup process



When the test concludes, your L1 software shows your results in numerical and graphical formats. Essential measurements are displayed in an easy-to-interpret format. You can Start and Stop a test using the touchscreen display; manually set the home position and return the crosshead to home position, and zero your load (L) and distance (D) measurements.



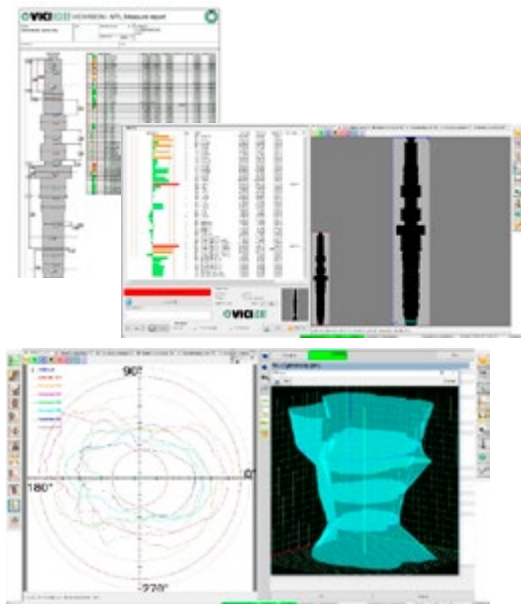
Contact us for a  
**LIVE ONSITE DEMO**

7 6 3 . 5 5 9 . 1 9 7 5

# Measuring big shafts as easily as small ones!

## M2/M3

OPTICAL MEASURING MACHINE  
FOR CYLINDRICAL ELEMENTS



### The M2 and M3 Were Born To Assist In Production

- Inspections in a matter of seconds, programs in just minutes.
- Operators are more independent during inspection.
- Measurement is not influenced by manual intervention.
- Allows to set tool offset before values are out of tolerance.

Technical Data	M2	M3
Max. measurable piece	600x140 mm	900x140 mm
Max. piece to be loaded	650x240 mm	950x240 mm
Max. weight to be loaded	30 kg	30 kg
Measurement accuracy on dia.	$(2+D[\text{mm}] / 100) \mu\text{m}$	$(2+D[\text{mm}] / 100) \mu\text{m}$
Measurement accuracy on length	$(5+L [\text{mm}] / 100) \mu\text{m}$	$(5+L [\text{mm}] / 100) \mu\text{m}$
Measurement repeatability on dia.	0,4 $\mu\text{m}$	0,4 $\mu\text{m}$
Measurement repeatability on length	3 $\mu\text{m}$	3 $\mu\text{m}$
Vertical scanning speed	100 mm/s	100 mm/s
Rotational scanning speed	1080 °/s	1080 °/s
Machine's Weight	395 kg	400 kg
Power Supply	230V - 50/60 Hz	230V - 50/60 Hz
Dimensions LxWxH	920x1029x2000 mm	920x1029x2000 mm

**REDUCES COST**

**CONCEPT MACHINE TOOL**

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