The optical measuring machine for cylindrical parts.

# The variety of the range ensures benchmark reliability.

From 40 to 180 mm in diameter, and 300 to 1250 mm in length, the modular range of the Techno series can provide you with the most suitable machine for your production.



### **Techno** Series

**High resolution.** Detailed images to capture minute features.

#### No more compromises.

Given the wide scope of measurement ranges offered, this machine range is designed to adapt to current and future manufacturing demands.

#### Tested reliability.

Specific expertise and carefully selected components have created a highly efficient range of solutions.

#### Heavy duty.

The load capacity of the largest machines has increased by up to 60 kg.

#### The machine improves productivity.

Operators are more independent during inspection and tool offsets can be adjusted before parts become out of tolerance in order to reduce the amount of rejects produced.

#### Dimensional control directly on the shop floor.

Each part produced by the CNC lathe can be measured within the production environment.

**Greater productivity also on smaller batches.** Batch changing is fast and efficient.

#### One measuring system for multiple CNC lathes.

A single measuring system can operate next to multiple machining centers, involving more than one operator.

## **VICI**VISION

#### Vici & C S.p.A. Via J. Gutenberg, 5 - 47822 Santarcangelo di Romagna (RN) tel. +39 0541-350411 www.vicivision.com sales@vici.it

DXF comparison: Static measurements: Thread measurements: Form measurements: Nominal diameters Rotation diameters Distances from profile Diameters Core diameters Lengths Roundness Distances from Angles Mean diameters Coaxialities tolerance Chamfers Crest angles Axial and radial run-out GD&T Radii Helix angles Cylindricities Special application tool: Mean sphere diameters Pitches Angular timings Planes parallelisms Camshafts Roll dimensions Geometric measurements: NG diameter dimensions Tapers Crankshafts Symmetries LG dimensions Dynamic parallelisms Turbine wheels Parallelisms Orthogonalities Nut measurements: Streightness

Keys

Asymmetries Angular timings

|       | Measuring<br>field | Max. loadable<br>sizes | Accuracy<br>Ø - L                            | Repeatability<br>Ø - L | Size<br>LxDxH mm | Power supply |           |                  |
|-------|--------------------|------------------------|--|------------------------|------------------|--------------|-----------|------------------|
|       |                    |                        |  |                        |                  | Voltage      | Frequency | Nominal<br>power |
| M304  | 300x40 mm          | 315x120 mm - 10Kg      |  |                        | 595x780x950 mm   |              |           |                  |
| M306  | 300x60 mm          | 315x120 mm - 10Kg      |  |                        | 595x780x950 mm   |              |           |                  |
| M309  | 300x90 mm          | 315x120 mm - 30Kg      | 1,5 + D[(mm)/200)] μm<br>4 + L[(mm)/200)] μm | 0,3 μm / 1,2 μm        | 595x780x950 mm   | 230 V        | 50/60 Hz  | 1,73 A           |
| M314  | 300x140 mm         | 315x240 mm - 30Kg      |  |                        | 920x1030x1800 mm |              |           |                  |
| M318  | 300x180 mm         | 315x240 mm - 30Kg      |  |                        | 920x1030x1800 mm |              |           |                  |
| M604  | 600x40 mm          | 625x120 mm - 30Kg      | 1,5 + D[(mm)/200)] μm<br>4 + L[(mm)/200)] μm | 0,3 µm / 1,2 µm        | 595x780x1315 mm  | 230 V        | 50/60 Hz  | 1,73 A           |
| M606  | 600x60 mm          | 625x120 mm - 30Kg      |  |                        | 595x780x1315 mm  |              |           |                  |
| M609  | 600x90 mm          | 625x120 mm - 30Kg      |  |                        | 595x780x1315 mm  |              |           |                  |
| M614  | 600x140 mm         | 625x240 mm - 30Kg      |  |                        | 920x1030x2000 mm |              |           |                  |
| M618  | 600x180 mm         | 625x240 mm - 30Kg      |  |                        | 920x1030x2000 mm |              |           |                  |
| M906  | 900x60 mm          | 925x120 mm - 30Kg      | 1,5 + D[(mm)/200)] μm<br>4 + L[(mm)/200)] μm | 0,3 µm / 1,2 µm        | 595x780x1615 mm  | -<br>230 V   | 50/60 Hz  | 1,73 A           |
| M909  | 900x90 mm          | 925x120 mm - 30Kg      |  |                        | 595x780x1615 mm  |              |           |                  |
| M914  | 900x140 mm         | 925x240 mm - 60Kg      |  |                        | 920x1030x2000 mm |              |           |                  |
| M918  | 900x180 mm         | 925x240 mm - 60Kg      |  |                        | 920x1030x2000 mm |              |           |                  |
| M1209 | 1250x90 mm         | 1300x120 mm - 30Kg     |  |                        | 595x780x2000 mm  |              |           |                  |
| M1214 | 1250x140 mm        | 1300x240 mm - 60Kg     | 2+D[(mm)/100)] μm<br>5+L[(mm)/100)] μm       | 0,4 µm / 3 µm          | 920x1030x2205 mm | 230 V        | 50/60 Hz  | 1,73 A           |
| M1218 | 1250x180 mm        | 1300x240 mm - 60Kg     |  |                        | 920x1030x2205 mm |              |           |                  |

