



The optical measuring machine for cylindrical parts

## Our Techno range ensures benchmark reliability

From 40 to 180 mm in diameter, and 300 to 1250 mm in length, the large 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 are 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, reducing 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

Part changing is fast and efficient.

#### One measuring system for multiple CNC lathes

A single VICIVISION machine can operate next to multiple machining centers.



#### Static measurements:

Diameters  
Lengths  
Angles  
Chamfers  
Radii  
Mean sphere diameters

#### Geometric measurements:

Symmetries  
Parallelisms  
Orthogonalities  
Straightness

#### Thread measurements:

Nominal diameters  
Core diameters  
Mean diameters  
Crest angles  
Helix angles  
Pitches  
Roll dimensions  
NG diameter dimensions  
LG dimensions

#### Form measurements:

Rotation diameters  
Roundness  
Coaxialities  
Axial and radial run-out  
Cylindricities  
Angular timings  
Planes parallelisms  
Tapers  
Dynamic parallelisms

#### Nut measurements:

Keys  
Asymmetries  
Angular timings

#### DXF comparison:

Distances from profile  
Distances from tolerance  
GD&T

#### Special application tool:

Camshafts  
Crankshafts  
Turbine wheels

	Measuring field	Max. loadable sizes	Accuracy Ø - L	Repeatability Ø - L	Size LxDxH mm	Power supply		
						Voltage	Frequency	Nominal power
M304	300x40 mm	300x120 mm - 10Kg	$1 + D[(\text{mm})/200]] \mu\text{m}$ $3 + L[(\text{mm})/200]] \mu\text{m}$	0,3 $\mu\text{m}$ / 1,2 $\mu\text{m}$	595x780x950 mm	230 V	50/60 Hz	1,73 A
M306	300x60 mm	300x120 mm - 10Kg			595x780x950 mm			
M309	300x90 mm	300x120 mm - 30Kg			595x780x950 mm			
M314	300x140 mm	300x240 mm - 30Kg			920x1030x1800 mm			
M318	300x180 mm	300x240 mm - 30Kg			920x1030x1800 mm			
M604	600x40 mm	625x120 mm - 30Kg	$1 + D[(\text{mm})/200]] \mu\text{m}$ $3 + L[(\text{mm})/200]] \mu\text{m}$	0,3 $\mu\text{m}$ / 1,2 $\mu\text{m}$	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	$1 + D[(\text{mm})/200]] \mu\text{m}$ $3 + L[(\text{mm})/200]] \mu\text{m}$	0,3 $\mu\text{m}$ / 1,2 $\mu\text{m}$	595x780x2000 mm	230 V	50/60 Hz	1,73 A
M909	900x90 mm	925x120 mm - 30Kg			595x780x2000 mm			
M914	900x140 mm	925x240 mm - 60Kg			920x1030x2000 mm			
M918	900x180 mm	925x240 mm - 60Kg			920x1030x2000 mm			
M1209	1250x90 mm	1300x120 mm - 30Kg	$1,5 + D[(\text{mm})/100]] \mu\text{m}$ $4 + L[(\text{mm})/100]] \mu\text{m}$	0,4 $\mu\text{m}$ / 3 $\mu\text{m}$	595x780x2000 mm	230 V	50/60 Hz	1,73 A
M1214	1250x140 mm	1300x240 mm - 60Kg			920x1030x2205 mm			
M1218	1250x180 mm	1300x240 mm - 60Kg			920x1030x2205 mm			
M2018	2000x180 mm	2000x240 mm - 60Kg			920x1030x2770 mm			

