



MS3D
IN LINE 3D DIMENSIONAL INSPECTION

EXPERT OF 3D IN LINE NON-CONTACT INSPECTION



ShapeINSPECTION



INSPECTION OF CYLINDRICAL PARTS

GUARANTEEING
3D INSPECTION OF 100%
OF PRODUCTION
WITHIN MANUFACTURING CYCLE TIME

50 SPECIFICATIONS/PARTS

ACCURACY : 0.2 to 1 μm (1σ)





Machine Description

Non-contact sensors	Laser line triangulation Laser spot triangulation Confocal chromatic coding Micrometer 1D and 2D
Translation table	Yes, parts or sensors
Parts loading	Manual With robot / conveyor / palette
Autonomous work position	Yes
Dimensions (mm)	2000 x 1000 x 2000
Weight	900 Kg
GUI	Standard and configurable
Mesurable references	Unlimited



Data acquisitions and Measurements

Data points / measurement	> 4 million data points
Data acquisition time	1 second
Computation time	Hidden time
Handling time	< 1 second

Measured features

Accuracy from 0.2 μm to 1 μm (1σ)

Angle	Cylindricity
Diameter	Circularity
Coaxiality	Concentricity
Height	Parallelism
Symmetry	Perpendicularity
Planarity	Chamfer
Locating	Blind hole diameter

