



MS3D
IN LINE 3D DIMENSIONAL INSPECTION

EXPERT OF 3D IN LINE NON-CONTACT INSPECTION



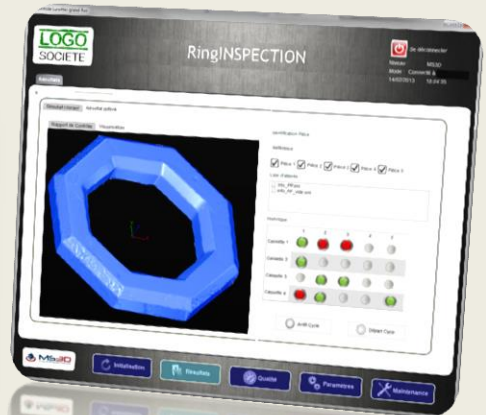
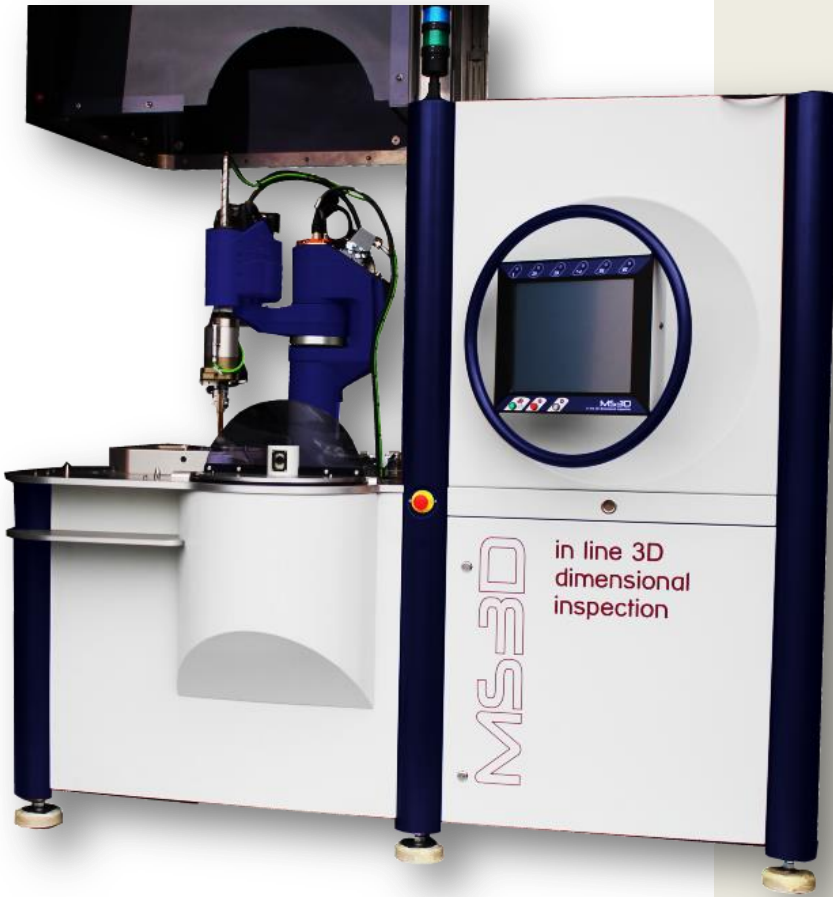
RingINSPECTION



RING SHAPE PARTS INSPECTION

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

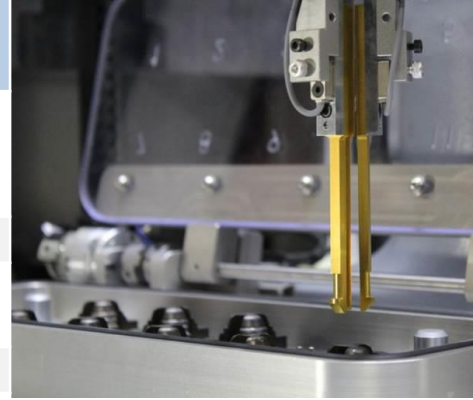
10 000 PARTS / DAY
ACCURACY: 0.2 to 1 μm (1 σ)





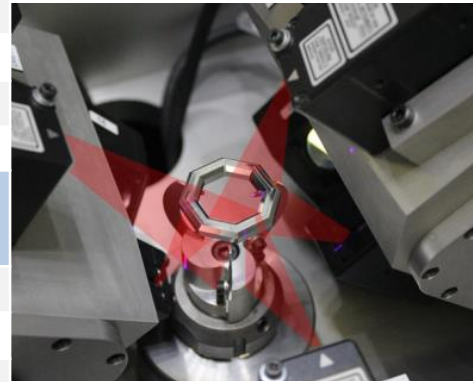
Machine description

Non-contact sensors	Laser line triangulation Laser spot triangulation Confocal chromatic coding
Rotary table	Yes
Parts loading	Manual With robot / convoyer / palette
Autonomous work position	Yes
Dimensions (mm)	2000 x 800 x 2000
Weight	1 400 Kg
GUI	Standard and configurable
Measurable references	Unlimited



Data acquisitions and measurements

Data points/ measurement	> 3 million data points
Data acquisition time	1 second
Computation time	Hidden time (from 0.1 to 30 seconds)
Temps de manutention	< 10 seconds



Measured features :

Accuracy: from 0.2 μm to 1 μm (1σ)

Angle	Cylindricity
Diameter	Circularity
Coaxiality	Concentricity
Height	Parallelism
Symmetry	Perpendicularity
Planarity	Locating

