BCD
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Optimes J1

Accuracy and reliability for the measurement of turned parts.



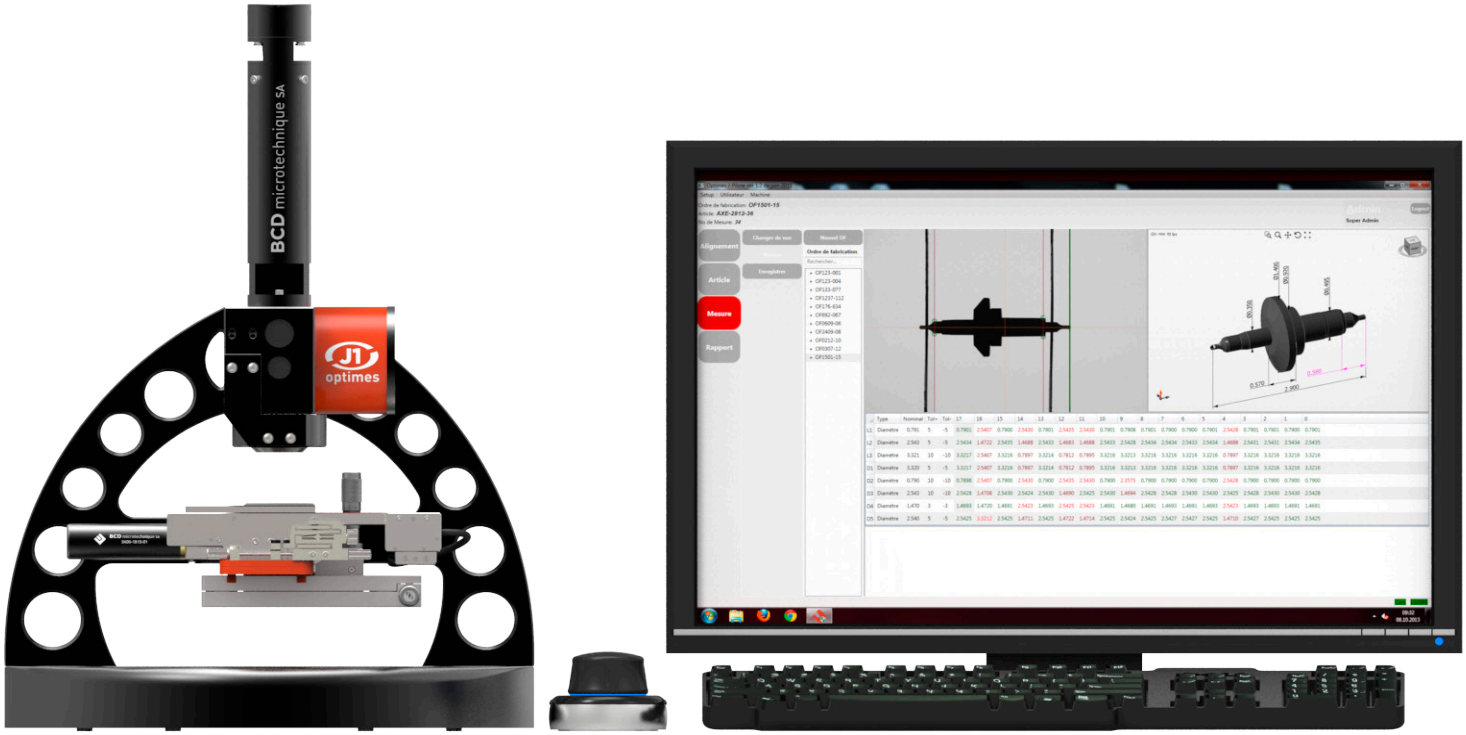
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The J1 measuring instrument

The Optimes J1 offers a fast and accurate solution to automatically measure all the external dimensions of revolving parts. After having simply placed the part on the 2 V-shaped supports, there is nothing else to do but start the measurement. In a few seconds the software moves the part under the optical measurement axis and takes readings of all the predefined dimensions.

The equipment is designed to guarantee a very high insensitivity to external disturbances (vibrations, temperature, light, etc.). This advantage offers the possibility to use the measuring instrument within the proximity of production machines as well as in a control laboratory.

Particularly well adapted to micromechanical requirements, Optimes PR50 can be perfectly integrated in your quality control process thanks to the precision and repeatability of its measurements. Fast and easy measurings guarantee a substantial time saving.



Lynx 2.0 software

The Optimes J1 is entirely driven by a software offering a wide range of functions for rating, items management, graphical analysis and statistics, as well as creating measurement reports.

Lynx allows to import and export 3D numerical models which offers a complete interoperability with CAD softwares.

The various user access levels guarantee a security and user friendliness for each person having to work with the instrument.

Lynx interfaces with many commercially available quality management softwares (SPC).

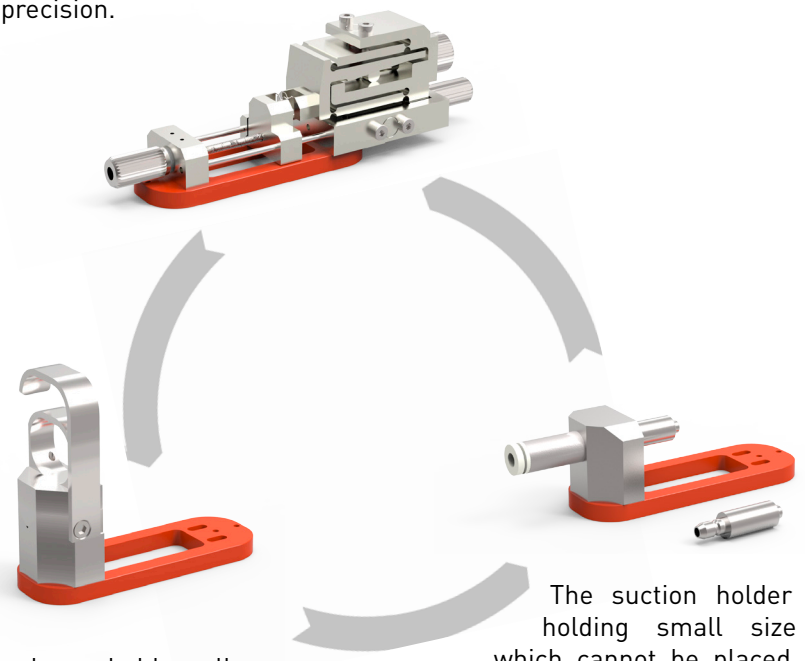
Optimes J1: The measuring instrument adapted to the quality control of watchmaking components

Holders

J1 holders are interchangeable in a few seconds. The standard holders range allows holding any type of part without affecting the measurement.

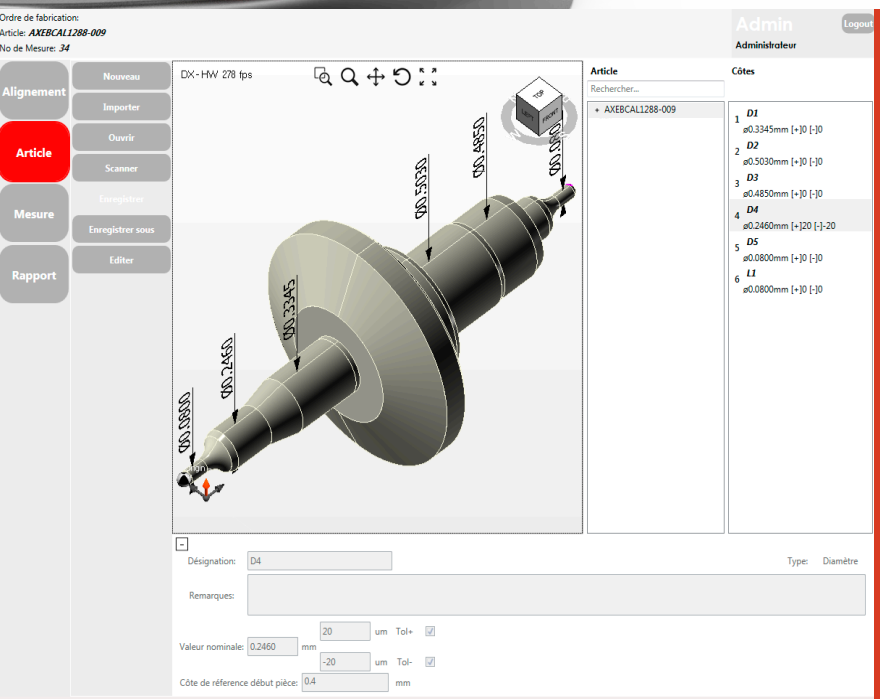


The micrometric holder is equipped with two 60 micrometers thick stainless steel V-shaped supports. Fine settings allow a very accurate alignment of the part under the sensor. The combination of the software aid and this holder guarantee an excellent measurement precision.



The clamp holder allows tightening various types of parts, such as pins, gauges, stems, etc. It is also used to hold the instrument's calibration gauges.

The suction holder allows holding small size parts which cannot be placed on the micrometric holder. Interchangeable nozzles of different diameters are provided to correspond to the part to be measured. A micro-pump is installed in the machine rendering the system perfectly autonomous.



Highlights

- Instrument dedicated to the watch-making industry
- Holders for all types of parts
- Calibration with a standard certified by METAS
- Management of the measurements and production orders
- Complete and detailed statistics
- SPC exportation
- Maintenance and remote support
- After-sales service directly by the manufacturer: responsive and competent

Measured magnitude

Type	Valeur	
Diameter	<3.7 mm	point, min, max, average
Length	<17mm	
Angles and conicity		
Radius		

Equipement and options

Standard	Measuring device	
	Measuring software	
	Basic training	
Options	Holder	Micrometric
		Suction
		Clamp
	Software	Exportation Quick Control
		Exportation Caligest
		Exportation IQS
	Hardware	PC windows 7 pro
		Customer PC configuration
	Training	Advanced courses

Technical data

Type		Valeur
Consumption	In operation	10 W
Weight		8 kg
Dimension	W x H x D	330 x 460 x 250 mm
Temperature	In operation	10 °C to 40°C
Humidité	In operation	Max 80%
Resolution	Y (diametre)	0.07 µm
Resolution	X (length)	0.1 µm
Precision	Diameter measurement	0.5 µm (2S)
	Lentgh measurement	1.8 µm (2S)
Scanning speed		1 mm/s

