Inspection & Dimension

METROLOGY

DIMENSIONAL INSPECTION		
INSTRUMENT		**ACCURACY**
Visual Inspection	Microscope	Magnification X1000
Optical 3D measurement	Tesa Visio 300 DCC	(measuring range) X/Y=300X200mm (measuring range) Z=150mm X/Y-Accuracy at 20°C=2,4+4•L/1000Z- Accuracy at 20°C= 3+1•L/100*
Contour Measuring Instrument	Mitutoyo CV 4500S4	DZ1 axis=0,02um DX AXIS=0,05um (measuring range) Xaxis=0-100mm (measuring range) Z1 axis=0-60mm
Optical - Profile projector	Visual scope 300V	0-100mm D=0,001mm
Coordinate Measuring Machine CMM	Tesa Micro-Hite 3D	440 x 500 x 420 mm D=0,001mm
	Mitutoyo Crysta Apex-C	500x700x400mm D=0,001mm
Standard instrument	Height gauge	0-600mm D=0,001mm
	Caliper	0-600mm D=0,01mm
	Micrometer	0-150mm D=0,001mm
	Gauge	Thread, Dial, Bore, Johansson

METALLOGRAPICH SECTION		
Sample preparation; potting of the sample, cross sectioning; measurement with microscope	NIKOM LV150NL (1000x)	D=0,01µm

CALIBRATION OF THREAD GAGE OR GAUGE BLOCK		
INSTRUMENT		**ACCURACY**
Thread measurement	DMS680	0-100mm D=0,0001mm
Inspection of plain plug and plain ring gage; Gauge block.		
Inspection of thread plug, thread ring		

HARDNESS TESTER		
INSTRUMENT		**ACCURACY**
Measure of metal hardness, VICKERS (HV)	Hardness tester Innovatest	HV0,02-HV50 D=0,1Hv

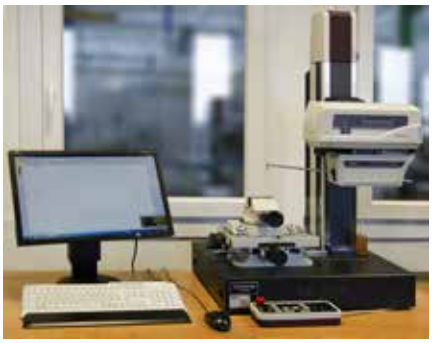
SURFACE ROUGHNESS TESTER		
INSTRUMENT		**ACCURACY**
Measure of roughness	Surtronic S128 Taylor-Hobson	D=0,01µm +/-500µm

Measurement Solutions Capabilities

ACCURACY: All our instruments are calibrated and evaluated for the most accurate measurement of your components

FLEXIBILITY: We measure and report on all components or just a single characteristic

CAPABILITIES : From calibration of customer's gauge tools to the design and manufacture of specialized gauges or fixtures.



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