



Dipartimento di Qualità e Controllo

CMM (MACCHINE DI MISURA COORDINATE) UNITS

CMM Unit – DEA Scirocco model

Strokes: x = 1200 ; y = 1000 ; z = 900
Scanning probe RENISHAW PH10MQ + TP200
Change rack RENISHAW SCR200
Thermal compensation
SW: WTUTOR, SURFER NT
Accuracy: ISO 10360-2 = (3.8+4,5 x L/1000)
ISO 10360-2 Certification by COORD3

CMM Unit – DEA Mistral model

Strokes: x = 700 ; y = 700 ; z = 500
Scanning probe RENISHAW PH10MQ + TP200
Change rack RENISHAW SCR200
Thermal compensation
SW: WTUTOR, SURFER NT
Accuracy: ISO 10360-2 = (3.5+4 x L/1000)
ISO 10360-2 Certification by COORD3

CMM Unit – COORD3 Hera model

Strokes: x = 1500 ; y = 1000 ; z = 850
Scanning probe RENISHAW PH10MQ + TP200
Change rack RENISHAW SCR200
Thermal compensation
SW: WINMEIL, ARCOCAD, FIT
Accuracy: ISO 10360-2 = (4+4,5 x L/1000)
SIT Certification by SIT Centre n.138

CMM Unit – COORD3 Ares model

Strokes: x = 1000 ; y = 650 ; z = 500
Scanning probe RENISHAW PH10MQ + TP200
Change rack RENISHAW SCR200
SW: WINMEIL, ARCOCAD, FIT, RED STAR
Accuracy: ISO 10360-2 = (3+3,5 x L/1000)
ISO 10360-2 Certification

CMM Unit – COORD3 TR10 model

Strokes: x = 1000 ; y = 600 ; z = 500
Scanning probe RENISHAW PH5 + TP2 5W
SW: WINMEIL, FIT
Accuracy: 5 µm



STRUMENTI DI MISURA SPECIALIZZATI

Roundness unit - MITUTOYO – RA 2000 DH

Strokes: max. diameter 300 mm, Z max. 480 mm
Accuracy: 0.019 μ m
SW: Roundpack

Roughness unit TIME TR200 model

Mobile unit
A4 format printable documents
SW Database TIME GROUP
Type of roughness: Ra,Rz,Ry,Rq,Rm,Rt,R3z,Rmax,Sk,S,Sm,tp
Filter: RC,PC-RC,GAUSS,D-P
Standard: ISO 4287, DIN 4768, ANSI B46.1, JIS B601

Roughness unit TAYLOR-HOBSON, Surtronic 3 model, Mobile unit

Hardometer Galileo mod.A200

Profilometer MITUTOYO CONTRACER CV-500 model

Strokes: X=100 ; Z=50
Accuracy: X = +/- (1+2L/100) , Z = +/- (4+|2Z|/25)
SW: Formpack

Optical Measuring Projector STARRETT HE350 model

Strokes: X=200 mm, Y=100 mm, Rotation=360°
Accuracy: 2 d (sigma) = 0.0043 mm

Digital Altimeter ALPA

Strokes: 0-800 mm.
Measurement system: 1D-2D
Accuracy: 2 d (sigma) = 0.005 mm

Digital Altimeter TRIMOS

Stroke: 0-800 mm.
Measurement system: 1D-2D

Various manual measuring instruments, all with SIT certifications



CONTROLLI NON-DISTRUTTIVI

2 FPI Unit

Line 1 high sensitivity - ARDROX BIO PEN P6F3
Line 2 very high sensitivity - ARDROX BIO PEN P6F5
Dark room with certification <20 LUX
WOOD Lamp, model LABINO 135 > 20.000 mW/cm2
Air furnace 70°C max

X-Ray Unit - GILARDONI CHF 225S

Inspection technology: radioscopy
Movements: Y-Z + table rotation
Digital scanning and recording
SW: Gilardoni XrayLab 4.0
RX Power: 225Kv
Watt 640
Inspection volume: 500 mm3

Laser marking unit - EVLASER 75

MACCHINA UNIVERSALE PROVE MATERIALI

SHIMADZU AG-X

Potenza/Cella di carico: 50 kN
Precisione: Class 0.5
Pove di: trazione, compressione, flessione, cicli a fatica
Campo di lavoro (mm): 800 mm