



## **DM 37 Inspection Equipment** (updated May 2012)

### **METROLOGY LABORATORY**

#### **Temperature and humidity controlled inspection room** **Mounted on a floating slab**

#### **ISO 9001 V2008 CERTIFICATION (QUAL/1993/1309 c)**

- 1 3-D CNC WENZEL Type LH 54 / 1000 measuring machine  
Strokes 500 x 1000 x 400 precision 1.7 microns per volume ,PH10M probe compatible, 3D Step and Iges files **(2012)**
- 1 PERTHOMETER S 4P MAHR rough surface inspection device with inspection report printout,  
Measurement report printout with plotting of lift rate curves.
- 1 FORMESTESTER MMQ3 MAHR universal inspection device with result printout
- 1 CONTUROGRAPH shape inspection device with CONTUROSCOP C4P MAHR equipped with a plotter,  
measuring stroke from 1.5 to 200 mm.
- 1 box of 112 CARY gauge blocks extra 00 (reference gauges strictly reserved for verifications and  
calibrations)
- 1 box of 112 CARY gauge blocks extra 00 (inspection work gauges)
- 1 1200 x 800 plate quality 00
- 1 POLI plate, capacity 800 x 800 quality 00
- 1 MICROMAR 816 S height micrometer
- 1 MILLITRON needle tip electronic comparator, Precision 0.1 micron
- 1 MILLITRON electronic comparator, Precision 1 micron
- 1 DIGIMAR 500 mm measuring column with printer, Precision 10 microns
- 1 flatness inspection device with LAPMASTER optical fringes
- 1 FARO poly-articulated arm for 3D measurement, precision 5 microns, software + inspection report
- 1 set of bore testers 3 keys with a diam of 3.7 to 200 mm
- 1 set internal micrometer 3.5 - 60 mm
- 1 set external micrometer 0 - 100 mm
- 1 sine bar
- 2 digital micrometers accurate to the nearest micron 0.25 and 25.50

## DM 37 cont'd

### INSPECTION WORKSHOP

- 1 STOCKVIS hardness measuring machine
- 1 P250 MITUTOYO Profile projector
- 1 MITUTOYO PV 5000 Profile projector with QUADRA CHEEK 200 calculator, lens X100
- 1 ORAMA 10 X 20 X 50 X 100 Profile projector
- 1 DIGIMAR 500 mm measuring column
- 1 TESA 350 mm measuring column
- 1 PERTHEN surface roughness inspection device
  
- 1 1200 x 800 plate quality 0
  
- 9 600 x 600 plates quality 0
  
- 3 sets of measuring rods O 0.3 à O 12.60 mm
  
- 9 Boxes of gauge blocks
  
- 1 center-distance inspection tool
  
- 2 Squaring cylinders
  
- 1 sine bar
  
- 2 HEIDENHAIN digital readout electronic comparators
  
- Individual PUPPITAS mechanical comparators (1 to 2 per operator)
  
- External micrometers (ROCH or TESA)  
1 set of 0-25 to 50-75 per grinding machine and  
1 set of up to 300 in communal tools
  
- Internal micrometers (3 keys)  
1 set 3.5 - 200 mm
  
- Boring gauges (2 points)  
1 Set with diam. 4,5 - 250 mm