# MILLING WORK CENTER 5 AXIS


| | | | |
|---|---|---|---|
| **Manufacturer** | FIDIA | | |
| **Model** | GANTRY D321 | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 3000 | 2200 | 1100 |
| **Axis number** | 5 | **RPM Spindle** | 24000 [rpm] |
| **Number of Spindle** | 1 | **Spindle Power** | 55 [Kw] |
| **Type of Spindle** | HSK63A | **Type of CNC** | Fidia C20 |

| | |
|---|---|
| **Note** | Automatic tool changer with 42 HSK63A positions<br>Laser device for automatic presetting with Fidia laser probe<br>Chip conveyor with two side augers including tool cooling system at HIGH pressure (50 bar) and 2000 lt. tank. |

# MILLING WORK CENTER 5 AXIS

| | | | |
|---|---|---|---|
| **Manufacturer** | MANDELLI | | |
| **Model** | STORM 1400 | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 1600 | 1500 | 1400 |
| **Axis number** | 5 | **Rpm Spindle** | 10000 [rpm] |
| **Number of Spindle** | 1 | **Spindle Power** | 27 [Kw] |
| **Type of Spindle** | ISO 50 | **Type of CNC** | Siemens S840D |
| **Capacity Tool Storage** | 200 | | |
| **Note** | 6 pallets. Laser for breaking tool control;<br>inspection probe: Renishaw MP10;<br>Work piece table: 1000 x 800 | | |

# MILLING WORK CENTER 5 AXIS

| | | | |
|---|---|---|---|
| **Manufacturer** | MCM | | |
| **Model** | TANK 1300 | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 1300 | 1400 | 1020 |
| **Axis number** | 5 | **Max. Spindle velocity** | 30000 [rpm] |
| **Number of Spindle** | 1 | **Spindle Power** | 70 [Kw] |
| **Type of Spindle** | HSK 63 | **Type of CNC** | GE FANUC 311 A5 |
| **Capacity Tool Storage** | 450 | | |
| **Note** | Laser for breaking tool control<br>Work piece table: 800 mm x 600 mm. FMS with 18 pallets. Marpos | | |

# MILLING WORK CENTER 5 AXIS

| | | | |
|---|---|---|---|
| **Manufacturer** | MCM | | |
| **Model** | TANK 1300 | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 1300 | 1400 | 1020 |
| **Axis number** | 5 | **Rpm Spindle** | 30000 [rpm] |
| **Number of Spindle** | 1 | **Spindle Power** | 70 [Kw] |
| **Type of Spindle** | HSK 63 | **Type of CNC** | GE FANUC 31i A5 |
| **Note** | Laser for breaking tool control. Work piece table: 800 x 600 mm. FMS with 18 pallets. Marpos | | |

# MILLING WORK CENTER 5 AXIS


| | | | |
|---|---|---|---|
| **Manufacturer** | OMV | | |
| **Model** | ACTIVE 4000 LINEAR XL | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 4000 | 2030 | 1000 |
| **Axis number** | 5 | **Max. Spindle velocity** | 20000 [rpm] |
| **Number of Spindle** | 1 | **Spindle Power** | 29 [Kw] |
| **Type of Spindle** | HSK 63A | **Type of CNC** | HEIDENHAIN TCN530 |
| **Capacity Tool Storage** | 48+48 | | |
| **Note** | Laser for breaking tool control. Laser for pre-setting tool.<br>Work piece table: 4100 x 1100 | | |

# MILLING WORK CENTER 5 AXIS


| | | | |
|---|---|---|---|
| **Manufacturer** | OMV | | |
| **Model** | ACTIVE 4000 | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 4000 | 1800 | 850 |
| **Axis number** | 5 | **Rpm Spindle** | 20000 [rpm] |
| **Number of Spindle** | 1 | **Spindle Power** | 29 [Kw] |
| **Type of Spindle** | HSK 63 | **Type of CNC** | HEIDENHAIN TCN530 |
| **Capacity Tool Storage** | 48+48 | | |
| **Note** | Laser for breaking tool control. Laser for pre-setting tool.<br>Work piece table: 4100 x 1100 | | |

# MILLING WORK CENTER 5 AXIS


| | | | |
|---|---|---|---|
| **Manufacturer** | PARPAS | | |
| **Model** | P18-A | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 1800 | 900 | 750 |
| **Axis number** | 3 + 2 | **Rpm Spindle** | 6000 [rpm] |
| **Number of Spindle** | 1 | **Spindle Power** | 25 [Kw] |
| **Type of Spindle** | ISO 50 | **Type of CNC** | SELCA 3045P |
| **Capacity Tool Storage** | 32 | | |
| **Note** | Work piece table[mm]: 2000x850 - 32 Tools | | |

# MILLING WORK CENTER 5 AXIS


| | | | |
|---|---|---|---|
| **Manufacturer** | HERMLE | | |
| **Model** | C1200 | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 1200 | 800 | 500 |
| **Axis number** | 5 | **Max. Spindle velocity** | 15000 [rpm] |
| **Number of Spindle** | 1 | **Spindle Power** | 10 [Kw] |
| **Type of Spindle** | ISO 40 | **Type of CNC** | HEIDENHAIN TNC430 |
| **Capacity Tool Storage** | 30 | | |
| **Note** | Work Piece Table: Ø800 mm | | |

# MILLING WORK CENTER 5 AXIS


| | | | |
|---|---|---|---|
| **Manufacturer** | FIDIA | | |
| **Model** | K411 | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 4200 | 1100 | 1000 |
| **Axis number** | 5 | **Rpm Spindle** | 24000 [rpm] |
| **Number of Spindle** | 1 | **Spindle Power** | 55 [Kw] |
| **Type of Spindle** | HSK 63A | **Type of CNC** | FIDIA C20 |
| **Capacity Tool Storage** | 42 | | |
| **Note** | Laser for breaking tool control<br>Laser for pre-setting tool.<br>Work piece table: 3800 x 600 | | |

# MILLING WORK CENTER 5 AXIS


| | | | |
|---|---|---|---|
| **Manufacturer** | FIDIA | | |
| **Model** | K411 | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 4200 | 1100 | 1000 |
| **Axis number** | 5 | **Rpm Spindle** | 24000 [rpm] |
| **Number of Spindle** | 1 | **Spindle Power** | 55 [Kw] |
| **Type of Spindle** | HSK 63 | **Type of CNC** | Fidia C20 |
| **Capacity Tool Storage** | 42 | | |
| **Note** | Laser for breaking tool control.<br>Laser for pre-setting tool.<br>Work piece table: 5000 x 1500 | | |

# MILLING WORK CENTER 5 AXIS


| | | | |
|---|---|---|---|
| **Manufacturer** | PARPAS | | |
| **Model** | XS63 | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 6150 | 3000 | 1250 |
| **Axis number** | 5 | **Rpm Spindle** | 15000 [rpm] |
| **Number of Spindle** | 1 | **Spindle Power** | 50 [Kw] |
| **Type of Spindle** | HSK 100 | **Type of CNC** | Siemens 840D |
| **Capacity Tool Storage** | 32+32 | | |
| **Note** | Compact optical transmission inspection probe<br>Laser for breaking tool control.<br>Laser for pre-setting tool.<br>Work piece table: 6000 x 2500 | | |

# MILLING WORK CENTER 5 AXIS


| | | | |
|---|---|---|---|
| **Manufacturer** | PARPAS | | |
| **Model** | XS63 | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 6000 | 3000 | 1250 |
| **Axis number** | 5 | **Rpm Spindle HSK 63** | 18000 [rpm] |
| **Number of Spindle** | 1 | **Rpm Spindle HSK 100** | 7000 [rpm] |
| **Type of Spindle** | HSK 63 and HSK100 | **Spindle Power HSK 63** | 60 [Kw] |
| **Capacity Tool Storage** | 80 | **Spindle Power HSK 100** | 42 [Kw] |
| | | **Type of CNC** | Siemens 840D |
| **Note** | inspection probe. Renishaw RPM600<br>Laser for breaking tool control.<br>Laser for pre-setting tool.<br>Work piece table: 6000 x 2500 | | |

# MILLING WORK CENTER 5 AXIS


| | | | |
|---|---|---|---|
| **Manufacturer** | PARPAS | | |
| **Model** | XS63 | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 6150 | 3550 | 1440 |
| **Axis number** | 5 | **Rpm Spindle** | 24000 [rpm] |
| **Number of Spindle** | 1 | **Spindle Power** | 60 [Kw] |
| **Type of Spindle** | HSK 63 | **Type of CNC** | Siemens 840D SL |
| **Capacity Tool Storage** | 100 | | |
| **Note** | Laser for breaking tool control. Laser for pre-setting tool.<br>Warehouse with electro-spindle automatic replacement.<br>Machine allocated in air-conditioned warehouse.<br>Work piece table: 6000 x 3000 | | |

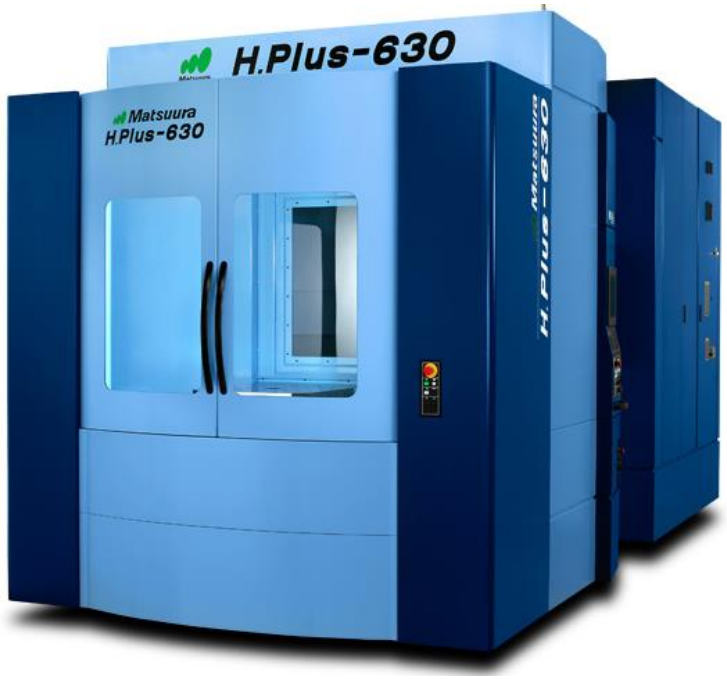
# MILLING WORK CENTER 5 AXIS


| | | | |
|---|---|---|---|
| **Manufacturer** | PARPAS | | |
| **Model** | XS83 | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 8150 | 3500 | 1440 |
| **Axis number** | 5 | **Max. Spindle velocity** | 28000 [rpm] |
| **Number of Spindle** | 1 | **Spindle Power** | 85 [Kw] |
| **Type of Spindle** | HSK 63 | **Type of CNC** | Siemens 840D SL |
| **Capacity Tool Storage** | 100 | | |
| **Note** | Laser for breaking control. Laser. For pre-setting tool. Warehouse with electro-spindle automatic replacement. Machine allocated in air conditioned warehouse. Work piece table: 8000 x 3000 | | |

# MILLING WORK CENTER 5 AXIS


| | | | |
|---|---|---|---|
| **Manufacturer** | FPT | | |
| **Model** | DINOMAX SCUDERIA | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 6200 | 3500 | 1300 |
| **Axis number** | 5 | **Rpm Spindle** | 28000 [rpm] |
| **Number of Spindle** | 1 | **Spindle Power** | 100 [Kw] |
| **Type of Spindle** | HSK 63 | **Type of CNC** | HEIDENHAIN TNC640 |
| **Note** | - | | |

# MILLING WORK CENTER 4 AXIS




| | | | |
|---|---|---|---|
| **Manufacturer** | MATSUURA | | |
| **Model** | H-PLUS630 | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 1000 | 900 | 1000 |
| **Axis number** | 4 | **Rpm Spindle** | 12000 [rpm] |
| **Number of Spindle** | 1 | **Spindle Power** | 27 [Kw] |
| **Type of Spindle** | ISO 50 | **Type of CNC** | FANUC 161 |
| **Capacity Tool Storage** | 80 | | |
| **Note** | Laser for tool integrity control - 2 pallets .<br>Work piece table dimension: 630 x 630. | | |

# MILLING MACHINE 4 AXIS


| | | | |
|---|---|---|---|
| **Manufacturer** | MATSUURA | | |
| **Model** | R-PLUS 800 | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 800 | 550 | 540 |
| **Axis number** | 4 | **Max. Spindle velocity** | 12000 [rpm] |
| **Number of Spindle** | 1 | **Spindle Power** | 22 [Kw] |
| **Type of Spindle** | ISO 40 | **Type of CNC** | Fanuc G-TECH 30I |
| **Capacity Tool Storage** | 40 | | |
| **Note** | 2 pallets - 40 tools – work piece table: 860 X 530.<br>Laser for breaking tool control. | | |

# MILLING MACHINE 3 AXIS


| | | | |
|---|---|---|---|
| **Manufacturer** | FOREST | | |
| **Model** | FV3 | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 5000 | 1250 | 400 |
| **Axis number** | 3 | **Rpm Spindle** | 5000 [rpm] |
| **Number of Spindle** | 3 | **Spindle Power** | 15 [Kw] |
| **Type of Spindle** | ISO 40 | **Type of CNC** | FIDIA C19 |
| **Note** | Work piece table [mm] 7000x1400 | | |

# MILLING MACHINE 3 AXIS

| | | | |
|---|---|---|---|
| **Manufacturer** | PARPAS | | |
| **Model** | BF134NC | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 5800 | 1400 | 1000 |
| **Axis number** | 3 | **Rpm Spindle** | 4000 [rpm] |
| **Number of Spindle** | 4 | **Spindle Power** | 56 [Kw] |
| **Type of Spindle** | ISO 50 | **Type of CNC** | SELCA 1200 |
| **Note** | Work piece table [mm] 5800x1400 | | |

# MILLING WORK CENTER 3 AXIS

| | | | |
|---|---|---|---|
| **Manufacturer** | MORI SEIKI | | |
| **Model** | NV5000 A | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 800 | 510 | 510 |
| **Axis number** | 3 | **Rpm Spindle** | 14000 [rpm] |
| **Number of Spindle** | 1 | **Spindle Power** | 22 [Kw] |
| **Type of Spindle** | ISO 40 | **Type of CNC** | MORI MSX - 501 |
| **Capacity Tool Storage** | 30 | | |
| **Note** | Laser for tool integrity control;<br>2 pallets; Work piece table: 950 x 480 | | |

# MILLING WORK CENTER 3 AXIS

| | | | |
|---|---|---|---|
| **Manufacturer** | MORI SEIKI | | |
| **Model** | NV5000 B | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 1020 | 510 | 510 |
| **Axis number** | 3 | **Rpm Spindle** | 15000 [rpm] |
| **Number of Spindle** | 1 | **Spindle Power** | 22 [Kw] |
| **Type of Spindle** | ISO 50 | **Type of CNC** | MSX 501 |
| **Capacity Tool Storage** | 30 | | |
| **Note** | Laser for breaking tool control; 2 Pallets; Work piece table: 1200 x 480 | | |

# COORDINATE- MEASURING MACHINE

| | | | |
|---|---|---|---|
| **Manufacturer** | DEA | | |
| **Model** | DELTA 4507 | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 4100 | 2450 | 1800 |
| **Axis number** | 5 | **Rpm Spindle** | - [rpm] |
| **Number of Spindle** | 1 | **Spindle Power** | - [Kw] |
| **Type of Spindle** | - | **Type of CNC** | - |
| **Capacity Tool Storage** | - | | |
| **Note** | Software PC-DMIS | | |

# COORDINATE- MEASURING MACHINE


| | | | |
|---|---|---|---|
| **Manufacturer** | DEA | | |
| **Model** | DELTA SLANT PERFORMANCE C.R. - 358020 | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 3500 | 8000 | 2000 |
| **Axis number** | 3 | **Max. Spindle velocity** | - [rpm] |
| **Number of Spindle** | 1 | **Spindle Power** | - [Kw] |
| **Type of Spindle** | ISO 40 | **Type of CNC** | - |
| **Capacity Tool Storage** | - | | |
| **Note** | Software PC-DMIS | | |

# COORDINATE- MEASURING MACHINE


| | | | |
|---|---|---|---|
| **Manufacturer** | DEA | | |
| **Model** | IOTA 1203 - DIAMOND | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 1500 | 1000 | 600 |
| **Axis number** | 5 | **Max. Spindle velocity** | - [rpm] |
| **Number of Spindle** | 1 | **Spindle Power** | - [Kw] |
| **Type of Spindle** | ISO 40 | **Type of CNC** | - |
| **Capacity Tool Storage** | - | | |
| **Note** | Software PC-DMIS | | |

# ELECTRIC OVEN FOR HEAT TREATMENTS


| | | | |
|---|---|---|---|
| **Manufacturer** | SAT | | |
| **Model** | SAT 2200-10 | | |
| | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 2200 | 500 | 1200 |
| **Power** | 78 KW | **Maximum load capacity** | 200 kg |
| **Note** | Precipitation, aging, etc. of alloys AL 2000-6000 and 7000; according to class 1 and 2 of the AMS2750D standard; | | |

# LATHE


| | | | |
|---|---|---|---|
| **Manufacturer** | MORI SEIKI | | |
| **Model** | SL-200 | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 450 | Ø 65 | Ø 300 |
| **Axis number** | 3 | **Rpm Spindle** | 4000 [rpm] |
| **Number of Spindle** | 1 | **Spindle Power** | 11 [Kw] |
| **Type of Spindle** | KITAGAWA BB008 | **Type of CNC** | FANUC |
| **Note** | Processing of all alloys | | |

# LATHE

| | | | |
|---|---|---|---|
| **Manufacturer** | CAZENEUVE | | |
| **Model** | HB575 | | |
| **Working Space** | **X Axis [mm]** | **Diameter [mm]** | |
| | 1300 | Ø 50 Ø 300 | |
| **Axis number** | 3 | **Rpm Spindle** | 2000 [rpm] |
| **Number of Spindle** | 1 | **Spindle Power** | 8 [Kw] |
| **Note** | Processing of all alloys | | |

# MILLING MACHINE


| | | | |
|---|---|---|---|
| **Manufacturer** | RAMBAUDI | | |
| **Model** | MG3 | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 950 | 300 | 445 |
| **Axis number** | 3 | **Rpm Spindle** | 2000 [rpm] |
| **Number of Spindle** | 1 | **Spindle Power** | 2,2 [Kw] |
| **Type of Spindle** | ISO 40 | **Type of CNC** | - |
| **Note** | Processing of all alloys;<br>Work piece table: 1300 x 300 | | |

# BORING MACHINE

| | | | |
|---|---|---|---|
| **Manufacturer** | OMEGA | | |
| **Model** | - | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 800 | 500 | 600 |
| **Axis number** | 3 | **Max. Spindle velocity** | 3000 [rpm] |
| **Number of Spindle** | 1 | **Spindle Power** | - [Kw] |
| **Type of Spindle** | ISO 40 | **Type of CNC** | - |
| **Note** | Processing of all alloys. | | |

# DOT PEEN MARKING MACHINE


| | | | |
|---|---|---|---|
| **Manufacturer** | PROPEN | | |
| **Model** | P-3000 | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 130 | 120 | 300 |
| **Axis number** | 3 | **Number of Spindle** | 1 |
| **Type of Spindle** | ISO 40 | | |

# INKJET MARKING MACHINE and DOT PEEN MARKING MACHINE

| | |
|---|---|
| **Manufacturer** | MARKEM IMAJE |
| **Model** | 9040 |


| | | | |
|---|---|---|---|
| **Manufacturer** | SIC | | |
| **Model** | P-63 | | |
| **Working Space** | **X Axis [mm]** | **Y Axis [mm]** | **Z Axis [mm]** |
| | 60 | 40 | - |

# LIST OF BAND SAWS

| | |
|---|---|
| **Manufacturer** | SENAS |
| **Model** | SEGA NASTRO SENAS 1500 |

| | |
|---|---|
| **Manufacturer** | MEP |
| **Model** | SEGA NASTRO AUTOMATICA MEP282 |

| | |
|---|---|
| **Manufacturer** | TM |
| **Model** | SEGA NASTRO TM210 |

| | |
|---|---|
| **Manufacturer** | VALEX |
| **Model** | SEGA NASTRO VALEX SN212P |

# AUTOMATED WAREHOUSE


| | | | |
|---|---|---|---|
| **Manufacturer** | MEGALIFT | | |
| **Model** | FSE | | |
| **Number of Floors** | 40 | **Single Floor Capacity** | 325 KG |
| **Note** | - | | |

# METROLOGICAL LABORATORY

| CLASSIFICATION | MANUFACTURER | RISOLUTION | MEASURING RANGE |
|---|---|---|---|
| DONUT LOAD CELL LTH300 | FUTEK ADVANCED SENSOR TECHNOLOGY | - | 1 ÷ 100 lb |
| CONDUCTIVITY SIGMATEST | FOERSTER GROUP | - | 60 – 960 kHz |
| CONDUCTIVITY SIGMATEST | FOERSTER GROUP | - | 60 – 960 kHz |
| DELTA SLANT 358020 | DEA HEXAGON S.P.A. | 0.0001 | 3500 x 8000 x 2000 |
| CMM JOTA DIAMOND 1203 | DEA S.P.A. | 0.0001 | 1500 x 1000 x 600 |
| CMM DELTA OLD 4507 | DEA S.P.A. | 0.001 | 4100 x 2450 x 1800 |
| DYNAMOMETER | SAUTER | 0.005 N | 0 ÷ 30 N |
| DUROMETER 250 DRMC | OMAG AFFRI | - | - |
| MILLIHOMMETER | SEFELEC | 0.001 mΩ | 40 mΩ- 4 kΩ |
| COATING THICKNESS GAUGE | ELEKTRO PHISIK | 0.001 | 0- 1,500 |
| ULTRASONIC THICKNESS GAUGE | PANAMETRICS | 0.01 | 0.2- 400 |
| MULTIMETER BEAMEX MC5 | BEAMEX | - | - |

# METROLOGICAL LABORATORY

| CLASSIFICATION | MANUFACTURER | RISOLUTION | MEASURING RANGE |
|---|---|---|---|
| PROFILOMETER | MITUTOYO | 0.0001 | 0-100 |
| OPTICAL PROFILE GAUGES ORION 400H | MICROTECNICA | 0.02 | 0-110 |
| ROUGHNESS TESTER | MITUTOYO | 0.01 | Ra= 0,05 - 50 |
| TORQUE METER | BETA | +\-1% | 0.2 ÷ 4.0 Nm |
| TORQUE METER | BETA | +\-1% | 2.0 ÷ 26 Nm |
| +OVER 400 BENCH-TOP INSTRUMENTS (GAUGES, MICROMETERS, BORE GAUGES, COMPARATORS, CALIBRATED PADS, ETC.) | | | |