

# OUR MA- CHINERIES

# MECHANICAL MACHINING

## MACHINING CENTERS

### MACHINING CENTER MANDELLI SPARK 1600 TURNING

Horizontal 7 pallets 1000 x 1000  
Tilting mechanical head  
316 tools magazine  
Work area X 1600 Y 1700 Z 1400

5 simultaneous axis  
Ø1000 turning table with max. workpiece swing  
1600 mm  
Unmanned work

### MACHINING CENTER MITZUI SEIKI HR6A

Horizontal 6 pallets 1000 x 1000  
120 tools magazine  
Work area X 1300 Y 1000 Z 860

Indexed table 1°  
Unmanned work

### MACHINING CENTER MITZUI SEIKI HT5

Horizontal 6 pallets 800 x 800  
120 tools magazine

Work area X 1000 Y 900 Z 750  
Unmanned work

### MACHINING CENTER QUASER MK 60 IIH

Horizontal palletized with continuous controlled table  
60 tools magazine

Work area X 1000 Y 610 Z 610  
Table dim. 500x500

**MACHINING CENTER**  
**MITZUI SEIKI HS3**

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Horizontal paletized with continuous controlled table  
60 tools magazine

Work area X 550 Y 450 Z 450  
Table dim. 400 x 400

**MACHINING CENTER**  
**MITZUI SEIKI VS3A**

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Vertical  
Hor/vert continuous controlled rotary table  
20 tools magazine

C.d.L. X 700 Y 450 Z 450  
Table dim. 900x500

# MECHANICAL MACHINING

## BORING AND MILLING MACHINES

### BORING MACHINE PAMA SPEEDMAT 2

5 axis  
60 tools magazine  
Orientable head 1° resolution  
Work area x 3.000 Y 2000 Z 2200 W 700

Spindle Ø 130  
Hydrostatic continuous rotary Table 2200x1800  
max load 16 ton.  
Automatic head change

### BORING-MILLING MACHINE FPT VERUS

5 axis  
52 tools magazine  
Orientable head 0.001° resolution  
Work area x 6.000 Y 2000 Z 1200

Continuous trans- rotary table 2000 x 2000  
Translation run 1500 max load 15 ton.  
Head change pick-up station

### BORING-MILLING MACHINE LAZZATI HB 150 MM

5 axis  
60 tools magazine  
hor/vert head 129.600 positions  
Work area. x 10.000 Y 1000 Z 3000 W 1000

“STOLLE” plate 7500 x 2500 load weight 15 ton./m2.  
Continuous trans- rotary table 1800 x 2400  
Translation run 1500 max load 12 ton.  
Spindle ø 150

### BORING-MILLING MACHINE FPT AREA M80

5 axis  
40 tools magazine  
hor/vert head 14.444 positions

Work area. x 8.000 Y 1250 Z 2500 W  
“STOLLE” plate 9000 x 2000  
double continuously rotary tables 1000 x 1000

**BORING-MILLING MACHINE**  
**MECOF CS88**

Continous trans- rotary table  
Translation run 800  
4 axis

Work area X 4300 Y 980 Z 1700  
Turning Table dim. 1250 x 1250 double orthogonal  
mandrel head and universal head

**BORING-MILLING MACHINE**  
**MECOF CS88G**

3 axis  
Work area X 6300 Y 1000 Z 1900 double

orthogonal mandrel head and universal head

**BORING MACHINE**  
**CASTEL GREEN 1T4**

Continuos control table  
5 axis  
Universal head

Spindle D.105  
Work area X 2600 Y 1500 Z 1500 W 550  
Table dim. 1300x1100

**BORING MACHINE**  
**BRAGONZI 110T**

6 axis  
60 tools magazine  
"D'Andrea" head (U-axis) work area  $\varnothing 30$ -  $\varnothing 1.050$   
Work area x 2.650 Y 1.500 Z 1.400 W 550

Spindle  $\varnothing 110$   
Hydrostatic continuos rotary Table dim. 1.500x1.200  
max load 6 ton.

**MILLING MACHINE**  
**MIKRON UM 900**

5 axis continuos controlled rotary table  $\varnothing 500$   
Work area X 900 Y 630 Z 500  
Spinlde run 90 mm

Table dim. 1100x650

# MECHANICAL MACHINING

## LATHES

### LATHE

#### MAZAK INTEGREX E 6500 H

5 simultaneous axis

Mandrel 3.300 g/min

Milling head 10.000 g/min

Max piece diameter 920 mm

Max piece length 4.064 mm

Automatic tool change with 80 tools magazine

Automatic boring bar change

Double steady rest

### N.C.LATHE

#### MAZAK NEXUS 250 MY FUSION 640

Max piece diameter 380

Max piece length 504

Through the mandrel diameter 74

With 100 mm offset Y axis for precision milling/drilling

### LATHE

#### PADOVANI LABOR LE 400

Max piece diameter 1050

Max piece length 3000

Through the mandrel diameter 130

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# MECHANICAL MACHINING

OTHER MACHINERY

## EDGEWHEEL GRINDER ROSA AVION

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Work area X 1700 Y700 Z800

## CENTERLESS GRINDER TACHELLA ELEKTRA EVO 1523 MPC

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Max grinding diameter : 450  
Max grinding length: 1.500

Orientable grinding tool support

## DIE SINKING EDM AGIE MONDO 5

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Work area 500 x 350 x 350

## CONVENTIONAL MACHINERIES

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3 Milling machines  
3 Lathes  
1 Profiles and surfaces grinder Joan & Shipman

400sm air conditioned workshop for mechanical adjusting and assembling. With 5 tons overhead crane  
1.100 sm workshop for mechanical adjusting and assembling. With 5 tons overhead crane

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# SUPER- FINI- SHES

HIGH PRECISION FINISHING DEPT. 400 M2, TEMPERATURE AND HUMIDITY CONTROLLED:

## HORIZONTAL BORING MACHINE

### DIXI 410 S

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4 continuous controlled axis

Work area x 1400 y 1200 z 1000

table dim: 1400 x 1200

## HORIZONTAL BORING MACHINE

### DIXI 3S

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Optical scales with 3 digits readout

Work area x 500 y 500 z 500

## BORING MACHINE

### SIP GENEVOISE 7R

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Hydrostatic

Optical scales with 3 digits readout

Work area x 1400 y 1000 z 900



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# METRO- LOGICAL CONTROLS

METROLOGICAL AND TEST DEPT. 80 M2, TEMPERATURE  
AND HUMIDITY CONTROLLED:

## **N.C. 3D MEASUREMENT EQUIPMENT** **LK METROLOGY MOD. ALTERA SL20.10.8**

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Work area 2.000x1.000x800  
Ceramic structure  
Scan sensor SP25M

Precision 0.8+L/600 µm  
Rack for automatic stylus change

## **N.C. 3D MEASUREMENT EQUIPMENT** **MITUTOYO MOD. CRYSTA APEX-C 122010**

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Work area 2005x1205x1005

## **3D MEASUREMENT EQUIPMENT** **DEA JOTA 1203**

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Work area 1430x1025x665

## **LASER TRACKER** **FARO VANTAGE**

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Hor. polar working area: 360°  
Ver. polar working area: 130°  
Min measurement distance: 0 m

Max measurement distance:  
60 m with SMR standard 1,5" & 7/8"  
30 m with SMR standard 1/2"

## **DIGITAL HEIGHT GAGE** **MITUTOYO LINEAR HEIGHT 600**

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Measuring range 0 - 972

**DIGITAL HEIGHT GAGE**  
**TESA MICRO-HIGHT**

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Measuring range 0 - 600

**BLACK GRANITE SURFACE PLATES AND ACCESSORIES**

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Gage blocks, micrometers, etc.

**HIGH PRECISION OPTICAL COLLIMATOR**  
**TAYLOR HOBSON**

**HARDNESS TESTING MACHINE**  
**GALILEO ERGOTEST EXPORT**

**PORTABLE HARDNESS TESTING MACHINE**  
**AFFRI HT-1000A**

**ELECTRONIC LINEAR GAGE WYLER**  
**SENSITIVITY' 1 $\mu$  /Mt.**

**COATING THICKNESS GAGE**

**AUSILIARY GAGES**



**CAM srl**

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