

MACHINERY

MECHANI- CAL MA- CHINING

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

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

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

5 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 650 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

LATHE

MAZAK INTEGREX 300Y

5 simultaneous axis

Mandrel 3.500 g/min

Milling head 6.000 g/min

Max piece length 1.552 mm

Max piece diameter 610 mm

LATHE

DOOSAN PUMA SMX 3100LS

7 simultaneous axis

Max piece length 2500 mm

Max piece diameter 660 mm

Mandrel 3.000 g/min

Automatic tool change with 80 tools magazine

Fanuc control 31i-MB5

Counterspindel 4.000 g/min

Milling head 8.000 g/min

Bar steps 102/81

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

MECHANI- CAL MA- CHINING

OTHER MACHINERY

EDGEWHEEL GRINDER

ROSA AVION

Work area X 1700 Y700 Z800

CENTERLESS GRINDER

TACHELLA ELEKTRA EVO 1523 MPC

Max grinding diameter : 450

Max grinding length: 1.500

Orientable grinding tool support

DIE SINKING EDM

AGIE MONDO 5

Work area 500 x 350 x 350

SUPER- FINI- SHING

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

HORIZONTAL BORING MACHINE

DIXI 410 S

4 continuous controlled axis

Work area x 1400 y 1200 z 1000

table dim: 1400 x 1200

HORIZONTAL MACHINING CENTER

MCM TANK 1900 ultra-precise version

2-pallet finishing machine

4 continuous controlled axis

Work area x 1900 y 1900 z 1450

table dim: 1000 x 1000

200-position robotic tool magazine

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

Motorized

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

Motorized

Work area 2005x1205x1005

3D MEASUREMENT EQUIPMENT

DEA JOTA 1203

Manual

Work area 1430x1025x665

LASER TRACKER

FARO VANTAGE

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

Measuring range 0 - 972

PROFILE DETECTOR

INSIZE SPM-1000

Run X 140mm Ris.0.2um Straightness 0.8um/100mm speed 0.1 mm/sec
Run Z ± 20mm Ris.0.5um speed 0.5-10 mm/sec
Accuracy ±(1.5+|0.2H|)um

BLACK GRANITE SURFACE PLATES AND ACCESSORIES

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' 1µ/Mt.

COATING THICKNESS GAGE

AUSILIARY GAGES



CAM srl

MECHANICAL PROCESSING

Via Nuova, 152-154

28883 Gravellona Toce -VB

Tel. +39 0323 846497

Fax. +39 0323 846437

camsrl@camsrl.it

camsrl.it