



**MECHANICAL  
CONSTRUCTION**

**HIGH PRECISION MACHINING**

**LIST OF MACHINE**

# CM Division

- **Rambaudi Fixed Bench CNC 1200 X 600 X 600 X Y Z**
- **Saimp Fanuc 1200 X 600 X 600 X Y Z**
- **Boring Mill Sirocco CNC with Hirt360 table 1600 X 1000 X 1000 X**
- **Vertical Lathe SAIMP 4-axis 1600 X 1000 X 1000 & TOS Ø1400 X 1000**
- **Vertical Lathe Ø1650 X 700**
- **Lathe GMG Ø550 X 3000**
- **Lathe Gildemeister Ø330 X 2000**
- **Lathe OMG Traditional Ø300 X 2000**
- **Grinding Machine Favretto 1000 X 500 X 500**
- **Slotting Machine stroke 220**
- **Double Column Bandsaw 500x400**

# MV Division

## High-Strength Materials Division

- DOSAN DNM 750L/50
- MAZAK VTC 530- C
- MAZAK VTC - 800 / 20HD

# LM DIVISION TURNING DEPARTMENT CNC

1 MAZAK INTEGREGX i-250H **Smooth** 5-axis with tailstock, bar passage 65mm

1 MAZAK INTEGREGX 200 III 5-axis with tailstock, bar passage 52mm

1 MAZAK INTEGREGX 200 IV 5-axis with tailstock, bar passage 65mm

## Torni CNC

1 TAKISAWA TCN-2100 L6 bar passage diameter 52 mm

1 TAKISAWA TT-2100G 2-axis with automatic loader and double spindle

1 TAKISAWA LA-200 L6 with bar passage diameter 52 mm

1 TAKISAWA LA-250 L12 with bar passage diameter 75 mm

1 TAKISAWA NEX-110 H7 with bar passage diameter 75 mm

1 MORI SEIKI CL150 with LNS automatic loader, diameter 32 mm, bar passage 32 mm

1 MORI SEIKI CL200 with gantry automatic loader, bar passage 52 mm

1 MORI SEIKI NLX2500 bar passage 80 mm

1 TORNOS sliding headstock type GT26/6 II, 6-axis, capacity 25.4 mm



# ENGINEERING DEPARTMENT

- 1 software Openmind
- 1 software Vero Solutions

# CNC MILLING DEPARTMENT

## Horizontal Machining Centers - 2 Pallets

- **3 MAKINO A51NX** with continuous rotary table 400x400
- **1 OKK HMC** with continuous rotary table 400x400
- **3 MORI SEIKI SH 403** with continuous rotary table 400x400
- **1 MORI SEIKI NHX 4000** with continuous rotary table 400x400
- **1 AKIRA SEIKI H3-XP** with continuous rotary table 320x320

## Vertical Machining Centers

- **1 MORI SEIKI NV5000** travels 1020x510x510 mm equipped with Nikken rotary table

# **METROLOGY AND INSPECTION ROOM**

- **1 ZEISS Duramax measuring machine 500x500x500**
- **3 3D control machines Dea Image**
- **1 Zoom Video Microscope "VM500" MAHR and TESA altimeters**
- **1 SM Profilometer "PGS 100" MAHR and TESA millesimal instrumentation**
- **Durometer and Roughness testers**

**Operators Certified by AUKOM.**

# COMPLEMENTARY PROCESSING

## Sawing Machines – Sandblasters – Tumblers

- 1 CNC FORTE AUTOMATIC HACKSAW cutting diameter 360 mm
- 1 AUTOMATIC HACKSAW diameter 360 mm
- 1 AUTOMATIC HACKSAW diameter 200 mm
- 1 Sandblasting Machine FN31

# GRINDING DIVISION

- **External grinding** Tacchella CNC, diameter 450 x length 1500
- **Internal grinding** Voumard CNC, diameter 450, length 900
- **Internal grinding** Voumard CNC, diameter 450, length 1500
- **Manual grinding** Grisetti, diameter 300, length 1000
- **Vertical grinding** Beethiez – internal and external, max grindable diameter 1300, height 600, max overall dimension 1750
- **1 ELEKTRA model 1518 CNC**
- **1 VOUMARD model 5ALP1000** for internal diameters
- **1 TACCHELLA 1018 UA** for external diameters

# HEAVY CARPENTRY DIVISION

- **Kitamura horizontal machining center** ISO 50 X1000 Y1000 Z1000 ZPS
- **Vertical machining center** ISO 50 X2080 Y800 Z800 ZPS
- **Vertical machining center** ISO 50 X2080 Y800 Z800 MAS
- **Vertical machining center** ISO 50 X1270 Y600 Z600 TOS
- **Fixed table** ISO 50 X3000 Y1000 Z1400 TOS
- **Fixed table** ISO 50 X5000 Y960 Z1400
- **Bragonzi T130 Boring Machine** ISO 50 X4000 Y2000 Z750 W1600
- **Axis table B** 2000x1500 mm, load capacity 15 tons
- **Favretto tangential grinding machine** X6500 Y1100 Z1100
- **Corema external grinding machine** X1500 x Ø500
- **Cabe 220 slotting machine**
- **Column drills Morse taper 5**
- **Ermaksan press brake** 175 tons
- **Overhead crane no. 3** 10 T
- **Overhead crane no. 4** 6.5 T
- **Overhead crane no. 2** 5 T
- **Overhead crane no. 1** 4 T