

EQUIPMENT

ENGINEERING & PROGRAMMING

PROGRAMMING PLATFORM : CATIA V5

PROGRAMMING PLATFORM : Top Solid Missler

ERP SYSTEM: CLIPPER V6

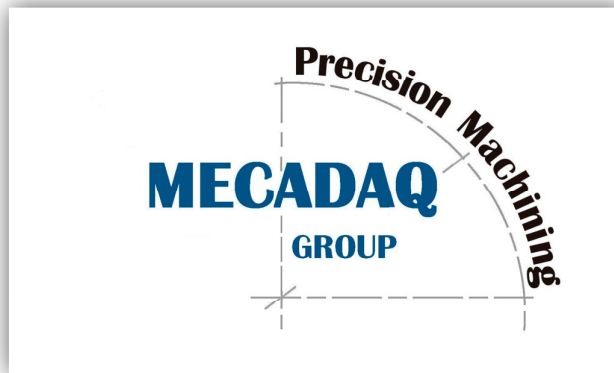
MACHINES

5 AXIS CNC

- **1 HURON KX50** - 2000x1700x800 - SPEED : 18 000 RPM- POWER : 30 KW MAQ
rotative head-2 full axis A+/- 190° B+/-95°
- **1 HURON KX50 K2X10 FIVE** - 900x900x450 - SPEED : 24 000 RPM MAQ
POWER : 30 KW - ROTATIVE TABLE - 2 FULL AXIS A-45°/+180° C 360°
- **1 HURON K2X8 FIVE** - 780x700x500 - SPEED 18 000 RPM - POWER : 20 KW MAQ
- **1 MORI SEIKI NMW 5000** - 730x510x510 - SPEED : 12 000 RPM FR
POWER 18,5 KW full 5 axis - B-180°/+160° A 360°
- **3 DOOSAN VC630 with palets system** - 650x765x520 - SPEED 12 000 RPM - POWER : 18,5 KW 2 MAQ et 1 FR
- **1 DOOSAN DNM 350** - 600x655x00 - SPEED 12 000 RPM - POWER : 15 KW MAQ
- **2 MORI SEIKI NMV 3000 with 34 palets** - 500x350x510 - SPEED 12 000 RPM - POWER : 15 KW MAQ
- **1 MORI SEIKI NMV 5000 with 10 palets** – 730x510x510 - SPEED 12 000 RPM - POWER : 15 KW (08/2015) MAQ

HORIZONTAL CNC MILLS – 4 AXIS

- **1 MORI SEIKI SH 630 4 axis - 3 palets** - 840x760x840 – SPEED: 10 000 RPM POWER : 30 KW MAQ
- **3 MORI SEIKI SH 503 4 axis - 2 palets** - 630x600x650 - SPEED : 12 000 RPM - POWER : 15 KW 2 MAQ, 1 FR
- **2 MORI SEIKI NH 5000 4 axis - 2 palets** - 630x600x650 - SPEED : 14 000 RPM - POWER: 15 KW FR
- **1 MORI SEIKI NH 5000 4 axis - 2 palets** - 730x730x850 - SPEED : 14 000 RPM - POWER : 18,5 KW MAQ
- **1 MORI SEIKI NH6300 4 axis - 2 palets** – 630x600x650 – Speed 14000 RPM – POWER 15KW FR
- **2 MORI SEIKI NH 4000 4 axis - 2 palets** - 560x560x630 - SPEED : 14 000 RP/Power : 15 KW FR
- **2 HAAS EC 400 4 axis - 6 palets / 2 palets** - 508x508x508/12 000 RPM/POWER 15 KW 1 MAQ, 1 FR
- **1 HAAS EC 500 4 axis - 2 palets** - 813x508x711 - 12 000 RPM - Power : 15 KW Santa Ana
- **1 DOOSAN NHP 6300 4 axis - 2 palets** - 1050x900x1000 - SPEED : 10 000 RPM - POWER : 30 KW MAQ



VERTICAL CNC MILLS – 3 AXIS

- 1 MORI SEIKI SV500 40 HIGH SPEED SPINDLE 900x500x450 - SPEED: 20 000 RPM- POWER : 15 KW MAQ
- 1 MORI SEIKI MV40 with Pallets - 800x400x450 - SPEED : 8 000 RPM - POWER : 7,5 KW MAQ
- 2 MORI SEIKI MV40 - 800x400x450 - SPEED: 8 000 RPM POWER : 7,5 KW 1 MAQ, 1 FR
- 2 MORI SEIKI DuraVertical 5100 1050*530*510 - SPINDLE SPEED 10 000 RPM - POWER 15 KW Santa Ana
- 1 MORI SEIKI SV500 - 1020x500x500 - SPEED : 10 000 RPM - POWER : 13,2 KW FR
- 1 MORI SEIKI SV400 - 600x430x500 - SPEED : 12 000 RPM- POWER : 12 KW FR
- 1 HAAS VF9 - 2000x1000x800 - SPEED : 12 000 RPM - POWER : 15 KW MAQ

CNC MILL-TURN

- 1 MORI SEIKI MT 2000SZ-BI BROCHE-9 AXIS - CHUCK ROTATING SPEED: 4500 & 4000 RPM MAQ
SPINDLE SPEED 10000 RPM - Ø : 440 mm - POWER : 22/15KW
- 1 DOOSAN PUMA MX 2100 ST - CHUCK SPEED 5000 RPM-22KW FR
SPINDLE SPEED: 12000 RPM- 18,5 KW - Ø 300 mm

CNC LATHE

- 5 MORI SEIKI NL2500 Y (2x1250 mm et 1x700 mm) C & Y AXIS +/- 50 mm Ø : 350 mm – 3 FR, 2 MAQ
POWER : 18,5 KW
- 1 MORI SEIKI SL250 Awith C AXIS Ø : 350 - POWER : 13,2 KW Santa Ana
- 1 HARDINGE CONQUEST T42 with CAXIS Ø : 220 - POWER : 13,2 KW FR

WATER JET

- 1 WATER JET CUTTING MACHINE SUPREMA DX612 - 4000x2000 - 6000 PSI MAQ

EDM MACHINES

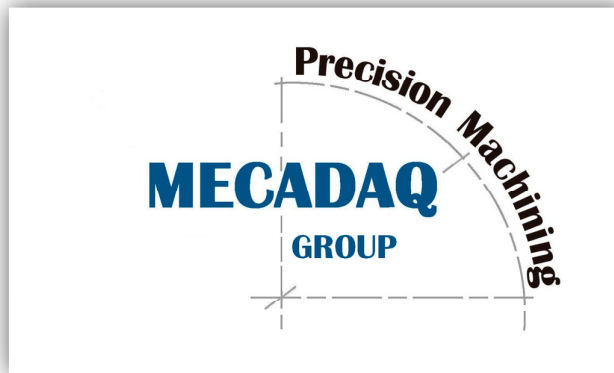
- 1 ROBOFIL CHARMILLE 330F 400x300x400 FR
- 2 ROBOFIL CHARMILLE 240 300x350x220 FR

MANUAL LATHE

- 1 RAMO A30 Ø : 150 FR
- 1 CHOLET 435 Ø : 400 MAQ

MANUAL MILLING

- 1 Fraiseuse KIHEUNG KMB-U3 1190x600x500 FR
- 2 bridgeport MAQ



MILLECIANOUS EQUIPMENT

- SUNNEN : MANUAL CYLINDRICAL BORING MACHINE
- 3 FULLY AUTOMATIC BANDSAW FMB
- ALUMINUM SAW L3000*EP150
- EDM DRILLER HD8 350x250x200

SPECIAL PROCESS

FR

- Rool Threading
- Bearing crimping & Ball Joint crimping
- Mounting of rings, bearings and ball joints with industrial glue
- Close fit mounting of rings
- Rivets install

Qualifications for :

Boeing, Airbus, Dassault Aviation, Eurocopter Deutschland, Embraer, Latécoère.

CONTROL

- 1 CMM - ZEISS SPECTRUM 700 1000x700x600 FR
- 1 CMM – ZEISS CONTURA G2 1600x1000x600 Santa Ana
- 2 CMM - WENZEL XORBIT 5 10 5 500x1000x500 MAQ
- 2 Height gage BAGREAL 750
- 2 Surface control system : HOMMEL TESTER
- 2 profile projector
- 2 Bore control system SUNNEN
- Thickness control system FISCHER
- Conductivity testing Sigmatest