

Production Means

5-AXIX MACHINING

DMG MORI DMF-360/11 Machining Centre

- 5 axis working capacity
- 4200 x 1100 table with integrated rotary index table of 1050 mm diameter
- Travel: X: 3600 + Y: 1100 + Z: 900



HORIZONTAL MACHINING CENTRES

MAKINO a81nx

- X: 900 Y: 900 Z: 1020
- Two 630×630 pallets
- Maximum part weight per pallet: 1.500 kgs
- Automatic changer with magazine for 187 tools
- Head rpm: 8.000 (High torque)
- Main engine 55 KW; 1.202 Nm
- 6 (FS31i-B5) controller



MATSUURA HPLUS-630

- X: 1050 Y: 920 Z: 870
- Two 630 x 630 pallets
- Maximum part weight per pallet: 1200 kg
- Automatic changer with magazine for 120 tools
- Head RPM: 12,000
- FANUC G-TECH 16i controller



MORI SEIKI MH-360

- X: 1000 Y: 850 Z: 920
- Two 630 x 630 pallets
- Maximum part weight per pallet: 1500 kg
- Automatic changer with magazine for 60 tools.
- FANUC MSC-516 controller



VERTICAL MACHINING CENTRES

MORI SEIKI NVX5080

- X 800 Y 530 Z 510
- Table: 1.100x600
- Head RPM: 10.000
- Cone BT40



TURNING

GEMINIS GHT7 G4

- Diameter over bed: 1400
- Diameter over slide: 1,000
- Machinable length: 4,000
- Main motor: 40 kW
- Motorised turret
- Self-centering steady rest: Diameter 215 – 510 Manual up to 900 diameter
- Admissible weight: 10,000 kg
- Controller: FANUC



DOOSAN PUMA 700L

- Diameter over bed: 1,100
- Diameter over slide: 900
- Machinable length: 3,200
- Self-centering steady rest: up to 350 diameter
- Controller: FANUC



MORI SEIKI SL 403 BMC

- Diameter over bed: 935
- Diameter over slide: 620
- Machinable length: 2,158
- Motorised turret
- Main motor: 37/30 KW
- Self-centering steady rest: 50 – 310 diameter
- Controller: FANUC MSG501



DOOSAN PUMA 400 LMC

- Diameter over bed: 770
- Diameter over slide: 590
- Machinable length: 2,009
- Motorised turret
- Main motor: 37 KW
- Self-centering steady rest: 50 – 310 diameter
- Controller: FANUC 21 iT.MG



DOOSAN PUMA 5100 LMB (Two machines)

- Diameter over bed: 900
- Diameter over slide: 690
- Machinable length: 2,000
- Motorised turret
- Head motor 45/37
- Self-centering steady rest: 50 – 350 diameter
- Controller: FANUC 32i-B



GRINDING

GER CM-1500 CNC

- Distance between centres: 1.500 mm
- Max grinding diameter: Ø 450 mm
- Max weight between centres: 1.000 kgs
- Marposs axial probe for workpiece centring
- Spring electrodynamic balancer with GAP + CRASH



DANOBAT CG-1800

- Distance between centres: 1.800 mm
- Max grinding diameter: Ø 540 mm
- Max weight between centres: 500 kgs
- Max surface speed grinding wheel: 80 m/s



DEEP DRILLING

TBT

- Drilling capacity: 120 diameter
LENGTH: 1,500



THREE DIMENSIONAL MEASUREMENT

Brown&Sharpe Global C Status coordinate measuring machine

- Travel: X: 1200 Y: 900 Z: 800
- Ultraprecise resolution: **0,08 µm**
- CR automated control of the 3 movement axes
- Renishaw PH10MQ motorised indexing head



ARRIETA

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