



Presentation form

***Your Partner
In Business***

MACHINES & CAPABILITIES



MATSUURA H.PLUS-800 – 4 AXIS



- Milling machine
- Machining Envelope: X1050 x Y920 Z990 mm
- B-Axis 360°
- Pallet working surface: 800 x 800 mm
- Loading capacity: 1200 kg
- Work size: Ø1050 x 1150 mm
- Spindle speed: 10000 rpm/min
- High Pressure Coolant: 70 bar (gun drilling capability)

MACHINES & CAPABILITIES



MATSUURA H.PLUS-630 – 4 AXIS

- Milling machine
- Machining Envelope: X1050 x Y920 Z990 mm
- B-Axis 360°
- Pallet working surface: 630 x 630 mm
- Loading capacity: 1200 kg
- Work size: Ø1050 x 1150 mm
- Spindle speed: 10000 rpm/min
- High Pressure Coolant: 70 bar (gun drilling capability)

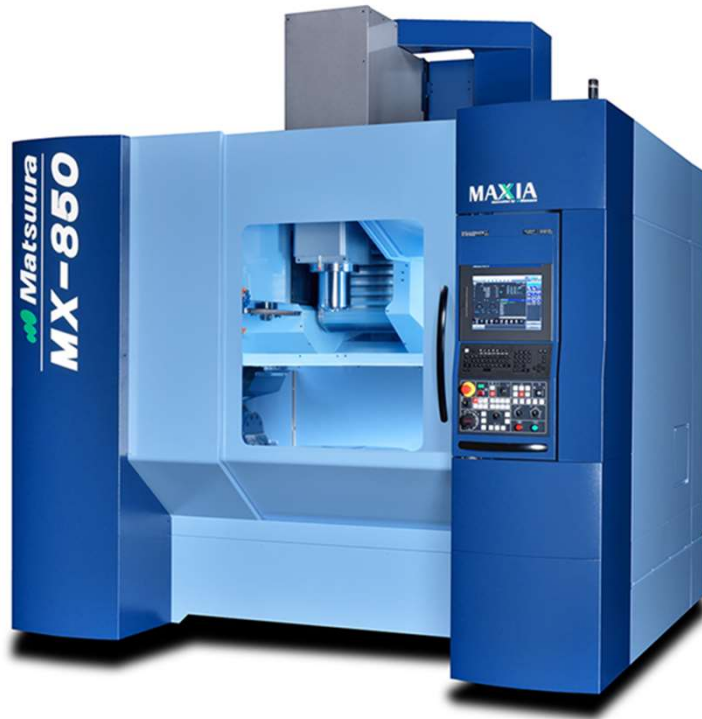
MACHINES & CAPABILITIES



MATSUURA MX-520 – 5 AXIS-mill

- Milling machine
- A-Axis -120° to 10° ; C-Axis 360°
- Loading capacity: 200 kg
- Work size: $\varnothing 520 \times 350$ mm
- Spindle speed: 40-20000 rpm/min
- High Pressure Coolant: 70 bar (gun drilling capability)

MACHINES & CAPABILITIES



MATSUURA MX-850 – 5 AXIS

- Milling machine
- Machining Envelope: X900 x Y780 Z650 mm
- A-Axis -120° to 30° ; C-Axis 360°
- Loading capacity: 500 kg
- Work size: Ø760 x 450 mm
- Spindle speed: 40-15000 rpm/min
- Tool setting probe, RENISHAW inspection probe

MACHINES & CAPABILITIES



MATSUURA RA-4G – 3 AXIS

- Milling machine
- Machining Envelope: X1020 x Y550 Z510 mm
- 2 pallets automatic change
- Pallet workig surface: 1000 x 490 mm
- Loading capacity: 500 kg
- Spindle speed: 40-15000 rpm/min
- High pressuer coolant: 70 bar (gun drilling capability)

MACHINES & CAPABILITIES



QUASER MV204II M15 – 5 Axis

- Milling machine
- Machining Envelope: X900 x Y780 Z650 mm
- A-Axis: $\pm 120^\circ$; C-Axis 360°
- Pallet working surface: 500 x 500 mm
- Loading capacity: 500 kg
- Work size: $\varnothing 600$ x 500 mm
- Tool setting probe, RENISHAW inspection probe
- Spindle speed: 15000 rpm/min

MACHINES & CAPABILITIES



QUASER MV204II M15 – 5 Axis

- Milling machine
- Machining Envelope: X1500 x Y700 Z610 mm
- A-Axis: -120° to 30° ; C-Axis 360°
- Pallet workig surface: 1700 x 700 mm
- Loading capacity: 2000 kg
- Work size: 1700 x 700 x 500 mm
- Tool setting probe, RENISHAW inspection probe
- Spindle speed: 7500 rpm/min

MACHINES & CAPABILITIES



MORI SEIKI NHX6300 – 4 Axis

- Milling machine
- Machining Envelope: X1050 x Y900 Z1030 mm
- B-Axis 360°
- Pallet working surface: 630 x 630 mm
- Loading capacity: 1500 kg
- Work size: Ø1050 x 1300 mm
- Spindle speed: 8000 rpm/min
- High Pressure coolant: 70 bar (gun drilling capability)

MACHINES & CAPABILITIES



MORI SEIKI DURAVERTICAL – 4 Axis

- Milling machine
- Machining Envelope: X1050 x Y530 Z510 mm
- B-Axis 360°
- Table working surface: 1350 x 600 mm
- Loading capacity: 1000 kg
- Work size: 1350 x 600 x 350 mm
- Spindle speed: 10000 rpm/min
- Pressure coolant: 20 bar

MACHINES & CAPABILITIES



FANUC ROBODRILL A-T21 iFLA – 4 Axis

- Milling machine
- Machining Envelope: X700 x Y400 Z330 mm
- C-Axis direct drive motor 360°
- Pallet workig surface: 700 x 400 mm
- Loading capacity: 300 kg
- Work size: 500 x 300 x 250 mm
- Spindle speed: 10000 rpm/min

MACHINES & CAPABILITIES



DMU65 MONOBLOCK – 5 Axis

- Milling machine
- Machining Envelope: X735 x Y650 Z560 mm
- A-Axis -120° to 120°; C-Axis 360°
- Loading capacity: 1000 kg
- Work size: Ø650 x 500 mm
- Spindle speed: 15000 rpm/min
- Tool setting probe, part inspection probe

MACHINES & CAPABILITIES



DMU75 MONOBLOCK – 5 Axis

- Milling machine
- Machining Envelope: X750 x Y650 Z560 mm
- A-Axis -120° to 120°; C-Axis 360°
- Loading capacity: 600 kg
- Work size: Ø650 x 500 mm
- Spindle speed: 20000 rpm/min
- Tool setting probe, part inspection probe

MACHINES & CAPABILITIES



FAGIMA JAZZ R – 5 Axis

- Milling machine
- Machining Envelope: X750 x Y600 Z550 mm
- A-Axis -110° to 110°; C-Axis 360°
- Loading capacity: 300 kg
- Work size: Ø630 x 400 mm
- Spindle speed: 12000 rpm/min

MACHINES & CAPABILITIES



HARTFORD HCMC-1682

- Milling machine
- Machining Envelope: X1600 x Y820 Z660 mm
- Table surface X1750 x Y820 mm
- Loading capacity: 2200 kg
- Spindle speed: 6000 rpm/min

MACHINES & CAPABILITIES



HARTFORD HCMC-2110

- Milling machine
- Machining Envelope: X2100 x Y1020 Z820 mm
- Table surface X2250 x Y1020 mm
- Loading capacity: 3000 kg
- Spindle speed: 4000 rpm/min

MACHINES & CAPABILITIES



HARTFORD HSA220EAY

- Milling machine
- Machining Envelope: X2000 x Y2000 x Z780 mm
- Pallet working Surface: 2000 x 2000 mm
- Loading capacity: 8000 kg
- Spindle speed: 6000 rpm/min

MACHINES & CAPABILITIES



MICROMILL HBM-5T

- Milling machine
- Machining Envelope: X3500 x Y2600 x Z1400 x W700 mm
- B-Axis 360°
- Spindle nose: 130 mm
- Pallet working Surface: 2200 x 1800 mm
- Work size $\varnothing 1050 \times 1300$ mm
- Loading capacity: 15000 kg
- Spindle speed: 3000 rpm/min

MACHINES & CAPABILITIES



HARTFORD PBM-115A

- Milling machine
- Machining Envelope: X2000 x Y1600 x Z1500 x W500 mm
- Spindle nose: 1600 mm
- Pallet working surface: 1400 x 1600 mm
- Loading capacity: 10000 kg
- Spindle speed: 3000 rpm/min

MACHINES & CAPABILITIES



MORI SEIKI NL2500/700Y-4AXIS

- Lathe
- Machining Envelope: $\text{Ø}320 \times 700$ mm
- Y-Axis: ± 50 mm; C-Axis 360° , live tools
- Bore Thru Spindle: 85 mm
- Loading capacity: 500 kg
- Work size: $\text{Ø}320 \times 700$ mm
- Tool setting probe
- Spindle speed: 4000 rpm/min

MACHINES & CAPABILITIES



MORI SEIKI NL2500/1250MC(Y)

- Lathe
- Machining Envelope: Ø320x 1250 mm
- Y-Axis: ±50mm (for Y option); C-Axis 360°, live tools
- Bore Thru Spindle: 85 mm
- Loading capacity: 500 kg
- Work size: Ø320 x 1250 mm
- Tool setting probe
- Spindle speed: 4000 rpm/min

MACHINES & CAPABILITIES



DOOSAN PUMA 600LM

- Lathe
- Machining Envelope: $\varnothing 750 \times 3200$ mm
- C-Axis 360°, live tools
- Bore Thru Spindle: 152 mm
- Loading capacity: 5000 kg
- Work size: $\varnothing 900 \times 3200$ mm
- Tool setting probe
- Spindle speed: 1800 rpm/min

MACHINES & CAPABILITIES



DOOSAN PUMA 700LM

- Lathe
- Machining Envelope: $\varnothing 900 \times 3200$ mm
- C-Axis 360° , live tools
- Bore Thru Spindle: 152 mm
- Loading capacity: 5000kg
- Work size: $\varnothing 900 \times 3200$ mm
- Tool setting probe
- Spindle speed: 1500 rpm/min

MACHINES & CAPABILITIES



DOOSAN PUMA 4100LMC

- Lathe
- Machining Envelope: $\text{Ø}560 \times 1988$ mm
- C-Axis 360° , live tools
- Bore Thru Spindle: 165 mm
- Loading capacity: 1400/2600kg
- Work size: $\text{Ø}560 \times 1988$ mm
- Tool setting probe
- Spindle speed: 1500 rpm/min

MACHINES & CAPABILITIES



DOOSAN PUMA SMX5100LB

- Lathe-milling machine
- Machining Envelope: $\varnothing 830 \times 3050$ mm
- Y-Axis: ± 260 mm, C-Axis 360° , B-Axis 240° , live tools
- Bore Thru Spindle: 165 mm
- Loading capacity: 2600kg
- Spindle speed turn: 1500 rpm/min
- Spindle speed mill: 10000 rpm/min

MACHINES & CAPABILITIES



WEBSTER EVOLUTION R7 2R.PB

- Lathe
- Machining Envelope: $\text{Ø}2100 \times 1200 \text{ mm}$
- Table size: $\text{Ø}1800 \text{ mm}$
- Loading capacity: 13500 kg
- Spindle speed: 300 rpm/min

MACHINES & CAPABILITIES



DMG MORI NLX 2500/700Y-4AXIS+Robo2Go

- Lathe
- Machining Envelope: $\text{Ø}320 \times 700$ mm
- Y-Axis: ± 50 mm; C-Axis 360° , live tools
- Bore Thru Spindle: 90 mm
- Loading capacity: 500 kg
- Work size: $\text{Ø}320 \times 700$ mm
- Tool setting probe
- Spindle speed: 4000 rpm/min
- Robo2Go arm max 20kg

MACHINES & CAPABILITIES



GOODWAY GV-1600 LM

- Lathe
- Machining Envelope: $\text{Ø}1800 \times 1300$ mm
- Table size: $\text{Ø}1600$ mm
- Loading capacity: 8000 kg
- Spindle speed: 250 rpm/min

MACHINES & CAPABILITIES



OKUMA MCR-30 B II

- Milling machine
- Machining Envelope: X5000 x Y3700 x Z800 x W1300 mm
- Spindle nose: Ram-Type 40 HP
- Pallet working Surface: 4800 x 2500 mm
- Loading capacity: 15000 kg
- Work size 5000 x 3200 x 1600 mm
- Spindle speed: 6000 rpm/min



MACHINES & CAPABILITIES



- » **Bystronic ByJet Classic 6030**
- Max flat plate size: 6000 x 3000 mm
- Max workpiece thickness: 200 mm
- Two water cutting heads
- Drill Head for Pre-Drilling for composite materials
- Ultra-High pressure pump: Bypump APC50
- Max operating pressure: 3800 bar
- Feed rate: 0-5L/min

MACHINES & CAPABILITIES



LASER CUTTING BODOR P3

- Max flat plate size: 3000 x 1500 mm
- Max workpiece thickness: 20 mm
- Two pallets
- Laser output power 1000-4000W
- Loading capacity: 1050kg
- Max simultane speed: 140m/min

MACHINES & CAPABILITIES



CMM ZEISS CONTURA G2 retrofit by Reinshaw

- Measurement range: X2100 x Y800 x Z800 mm
- RENISHAW PH-10 Articulated head with SP-25M module scanning probing

MACHINES & CAPABILITIES



CMM ABERLING 3D ZENITH 3

- Measurement range: X1200 x Y800 x Z800 mm
- RENISHAW PH-10 Articulated head with TP-20 and SP-25M module

MACHINES & CAPABILITIES



CMM ABERLING 3D EXTOL 520

- Measurement range: X520 x Y520 x Z400 mm
- RENISHAW head with TP-20 module

MACHINES & CAPABILITIES



FARO QUANTUM S 3D MEASUREMENT ARM with 3D laser scanners

- Measurement range: D2500 mm
- Accuracy: 0,020 mm

MACHINES & CAPABILITIES



CIMCORE 3D MEASUREMENT ARM 7525

- Measurement range: D2500 mm
- Accuracy: 0,029 mm

MACHINES & CAPABILITIES



FRONIUS ETR-S CLADDING SYSTEM



- Rectangular shapes
- Ova Shapes
- Square flat surfaces
- Multi-Bore surfaces
- Capacity Table – 5000 kg
- Work size: Ø1500 x 1600 mm

MACHINES & CAPABILITIES



WIRE EDM - ACCUTEX AU-500i -4 AXIS

- Machining envelope: X500 x Y300 x Z300 mm
- U/V=100/100 mm
- Max loading capacity: 500 kg
- Max work size 900 x 560 x 295
- Max angle cut: $\pm 22^\circ/100$ mm
- Wire diameters: 0,15 to 0,33 mm

MACHINES & CAPABILITIES



SINKING EDM AGIE AGIETRON ADVANCE - 4 AXIS

- Machining envelope: X500 x Y500 x Z350mm
- Max loading capacity: 1200 kg
- Max bath can size: 1250 x 720 x 420 mm
- Max electrode weight: 150 kg
- Distance Between electrode holder and table

MACHINES & CAPABILITIES



SINKING EDM ACCUTEX HD50 4-AXIS

- Machining envelope: X500 x Y400 x Z350 mm
- Max work size 1250 x 720 mm
- Max loading capacity: 1200 kg
- Max bath can size: 1250 x 720 x 420 mm



Thank You