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CNC Machine Capabilities

Machining Centres (Horizontal and Vertical)

OKUMA MA500HB - ROTARY PALLET 4 AXIS

- "X" AXIS TRAVEL 30.71 inches / 780 mm
- "Y" AXIS TRAVEL 37.4 inches / 950 mm
- "Z" AXIS TRAVEL 30.71 inches / 780 mm
- ROTARY TABLE SIZE 19.69 X 19.69 inches / 500 / 500 mm
- SPINDLE RPM 50 – 12,000
- TOOL CHANGER MUTI-MAGAZINE 60 TOOLS / CAT
- SPINDLE MOTOR 27 hp / 20kW

OKUMA MC-4VA E - 3 AXIS VERTICAL

- "X" AXIS TRAVEL 30 inches / 762 mm
- "Y" AXIS TRAVEL 16.22 inches / 412 mm
- "Z" AXIS TRAVEL 17.72 inches / 450 mm
- SPINDLE RPM 40 – 6,000
- TOOL CHANGER AUTOMATIC 20 TOOLS / CAT 40
- SPINDLE MOTOR 10 hp / 7.5 kW

OKUMA MC-V4020B - 3 AXIS VERTICAL

- "X" AXIS TRAVEL 40 inches / 1016 mm
- "Y" AXIS TRAVEL 20 inches / 510 mm
- "Z" AXIS TRAVEL 17.72 inches / 450 mm
- SPINDLE RPM 50 – 6,000
- TOOL CHANGER AUTOMATIC 32 TOOLS / CAT 40
- SPINDLE MOTOR 20 hp / 14.7 kW

OKUMA MX-45 VAE - 3 AXIS VERTICAL

- "X" AXIS TRAVEL 30 inches / 762 mm
- "Y" AXIS TRAVEL 18.11 inches / 460 mm
- "Z" AXIS TRAVEL 17.72 inches / 450 mm
- SPINDLE RPM 50 – 7,000

Lathes

OKUMA CAPTAIN L370-M OKUMA CROWN - with SMW 2100 MULTI-FUNCTION TURNING CENTER WITH MILLING CAPABILITIES

- MAX. TURNING DIA 13.38 inches / 340 mm
- MAX. TURNING LENGTH 19.68 inches / 500 mm
- SPINDLE RPM 75 – 3,800
- SPINDLE RPM C – AXIS 45 – 4,500
- TURRET TYPE VDI- 40 MULTI-FUNCTION
- SPINDLE MOTOR 30 hp / 22.5 kW

OKUMA CROWN - with SMW 2100 AUTOMATIC BAR FEEDER - 2-AXIS C.N.C. | (2 machines)

- MAX. TURNING DIA 10.63 inches / 270 mm
- MAX. TURNING LENGTH 19.68 inches / 500 mm



- SPINDLE RPM 75 – 3,500
- TURRET TYPE V12
- SPINDLE MOTOR 22 hp/ 16 kW

STANDARD MODERN 13/34 - ENGINE LATHE

- MAX. TURNING DIA 13 inches / 330 mm
- MAX. TURNING LENGTH 34 inches / 863 mm
- SPINDLE RPM 36 – 1,800
- SPINDLE MOTOR 1.5 hp / 1.1 kW

GURUTZPE SUPER-M 10-6 - ENGINE LATHE

- MAX. TURNING DIA 11.8 inches / 300 mm
- MAX. TURNING LENGTH 78.74 inches / 2000 mm
- SPINDLE RPM 16 – 1,250
- SPINDLE MOTOR 10 hp / 7.5 kW

OKUMA MACTURN 250-W MULTI-FUNCTION With LNS AUTOMATIC BAR FEEDER 2-AXIS C.N.C. MACHINING/TURNING

- MAX. TURNING DIA 20.87 inches / 550 mm
- DISTANCE BETWEEN NOSES 56.96 inches / 1440 mm
- "X" AXIS TRAVEL 18.7 inches / 475 mm
- "Y" AXIS TRAVEL 6.30 inches / 160 mm
- "Z" AXIS TRAVEL 46.06 inches / 1170 mm
- "C" AXIS DEG 360 Rotary Axis – Control Angle 0.0001
- "B" AXIS DEG 210
- SPINDLE RPM 38-500-5,000
- TURRET TYPE H1 ATC – Integral B – Axis 1
- SPINDLE MOTOR 30 hp / 22 kW

OKUMA CROWN - S | 2-AXIS C.N.C. | (2 machines)

- MAX. TURNING DIA 10.63 inches / 270 mm 9-AXIS
- MAX. TURNING LENGTH 19.68 inches / 500 mm
- SPINDLE RPM 75 – 4,200
- TURRET TYPE V12
- SPINDLE MOTOR 18 hp / 13 kW

Cut Off Saws

SCOTCHMAN CPO 315 - SEMI AUTOMATIC

- MAX. CUTTING DIA 4-7/8 inches / 124 mm
- MAX. CUTTING LENGTH Infinitely Variable
- BLADE SPEED RPM 44 low / 88 high
- SPINDLE MOTOR 4.5 hp / 3.3 kW

BEHRINGER HBP320 - SEMI AUTOMATIC

- SPINDLE MOTOR 4.5 hp / 3.3 kW
- BLADE SPEED 52-328 feet per minute / 16-100 metres per minute
- MAX. CUTTING LENGTH Infinitely Variable
- MAX. CUTTING DIA 12.6 inches / 320 mm

T-JAW 500D - SEMI AUTOMATIC

- MAX. CUTTING DIA 12 inches / 300 mm
- MAX. THROAT LENGTH 20 inches / 508 mm
- BLADE SPEED 65-2,493 feet per minute / 20-760 metres per minute

KASTO Twin A4 Bundling Saw

- SPINDLE MOTOR 4.5 hp / 3.3 kW
- MAX CUTTING SQUARE 16 " x 16" / 406 mm x 406 mm
- MAX CUTTING ROUND 16 DIA 16" / 406 mm
- SAW MOTOR 5.36 hp – 4kW

Drills

ERLO TCA-35 - GEAR HEAD (2 Machines)

- FEED RATES 0 - .009 inches per revolution
- SPINDLE RPM 112 – 1,704
- SPINDLE MOTOR 2 hp / 1.5 kW

HORNGMAO RD-F1250 - RADIAL ARM

- FEED RATES 0 - .018 inches per revolution
- SPINDLE MOTOR 3 hp / 2.2 Kw
- SPINDLE RPM 27 – 1,526

Grinders

JONES – SHIPMAN 540 - SURFACE GRINDER

- X AXIS TRAVEL 18 inches / 457 mm
- Y AXIS TRAVEL 6 inches / 152 mm
- Z AXIS TRAVEL 7.9 inches / 200 mm
- SPINDLE RPM 3,550
- MAIN MOTOR 1 hp / .75 kW

NORTON - TOOL & CUTTER GRINDER

- X AXIS TRAVEL 20.5 inches / 521 mm
- Y AXIS TRAVEL 12 inches / 305 mm
- Z AXIS TRAVEL 12 inches / 305 mm
- SPINDLE RPM 3,400
- MAIN MOTOR 1 hp / .75 kW

Fabrication

Laser

AMADA – LCG3015 AJ 6KW FIBER LASER

- POWER 6,000 W LD EXCITED YB FIBER OSCILLATOR
- MAXIMUM POWER 6,300 W
- MAXIMUM THICKNESS 1.00inch /25 mm
- MAXIMUM SHEET 60 inches x 120 inches / 1,524 mm x 3,048 mm
- AUTO LOAD / UNLOAD

CNC Router

AXYZ – INFINITE 4010 MULTI AXIS ROUTING MACHINE

- MAXIMUM SHEET 60 inches x 120 inches / 1,524 mm x 3,048 mm
- 6 inches/150 mm GANTRY
- SPINDLE RPM 24,000
- A2MC CONTROLLER
- AUTOMATIC TOOL CHANGER

Punch Press

AMADA COMA 567 - ROTARY TURRET PRESS – 04PC CONTROL

- 55 TON/ 50 METRIC TON CAPACITY
- 0.375 inch / 9.5 mm MAXIMUM MATERIAL THICKNESS
- 58 STATION TURRET WITH 2 AUTO INDEXING STATIONS
- AXIS TRAVEL X 72 inches - Y 60 inches / X 1828 mm – Y 1524 mm
- RE-LOCATION CLAMPS

AMADA VIPROS 367 - ROTARY TURRET PRESS –18 P CONTROL

- 33 TON / 30 METRIC TON CAPACITY
- 0.250 inch / 6.3 mm MAXIMUM MATERIAL THICKNESS
- 58 STATION TURRET WITH 2 AUTO INDEXING STATIONS
- RE-LOCATION CLAMPS
- AXIS TRAVEL X 72 inches - Y 60 inches / X 1828 mm – Y 1524 mm

STRIPPIT - C.N.C. PUNCH PRESS

- 44 TON / 40 METRIC TON CAPACITY
- 3.5 inches / 89 mm MAXIMUM DIAMETER
- AXIS TRAVEL X 40 inches - Y 30 inches / X 1,016 mm – Y 762 m

Press Brakes

ACCUPRESS 7606

- 60 TON CAPACITY / 55 METRIC TON CAPACITY
- 72 inches / 1.82 m BED

AMADA RG - 125 (2) - NC9 - EX II CONTROL

- 137 TON CAPACITY / 125 METRIC TON
- 117 inches / 3 m BED

AMADA 3 1030 - FS – NC9 CONTROL

- 110 TON CAPACITY / 100 METRIC TON
- 117 inches / 3 m BED

AMADA FOX B III 8025

- 88 TON CAPACITY / 80 METRIC TON
- 96 inches / 2.4 m BED

AMADA RG – 50 - NC9 - EX II CONTROL

- 55 TON CAPACITY / 50 METRIC TON
- 72 inches / 1.83 m BED

PRIMA POWER eP1336 – SERVO ELECTRIC

- 150 TON CAPACITY / 136 METRIC TON

- 144 inches / 3.6 m BED

Shears

ACCUR SHEAR - HYDRAULIC

- MAX. SHEAR THICKNESS 0.375 inches / 9.5 mm
- MAX. SHEAR LENGTH 120 inches / 3,048 mm
- BACK GAUGE 0 – 48 inches / 0 – 1,219 mm with sheet support

TIMAC TCDS 410 - ROTARY SHEAR

- MAX. MATERIAL 0.157 inches / 4 mm
- MIN. DIAMETER 7.1 inches / 180 mm
- MAX. DIAMETER 39.4 inches / 1,000 mm
- SPINDLE RPM 35 and 70
- SPINDLE MOTOR 7 hp / 5.2kW

Metal Spinning

DENN - MANUAL SPINNING LATHE WF EDGE FORMER

- MAX. MATERIAL 0.078 inches / 2 mm
- MAX. DIAMETER 36 inches / 914 mm
- SPINDLE RPM 8 SPEED
- SPINDLE MOTOR 5 hp / 3.7 kW

NOVA SIDERA GIOTTO 400 - C.N.C. SPINNING LATHE

- MAX. MATERIAL THICKNESS
- STEEL 0.118 inches / 3 mm
- ALUMINUM 0.236 inches / 6 mm
- STAINLESS STEEL 0.059 inches / 1.5 mm
- MAX. DIAMETER 31.5 inches / 800 mm

Bed Presses

CHICAGO DREIS & KRUMP

- 125 TON / 113 METRIC TON CAPACITY
- 36 inches X 72 inches / 914 mm X 1,828 mm BE

CHICAGO DREIS & KRUMP

- 90 TON / 81 METRIC TON CAPACITY
- 96 inches X 20 inches / 2.4 m X 508 mm BED

Welding

Robotic Welding

MOTOMAN -EA1400 6 AXIS ROBOT MIG WELDER- (3 machines)

- S - AXIS (TUNING) ± 170 degrees
- L - AXIS (LOWER ARM) + 155, -175 degrees
- U - AXIS (UPPER ARM) + 190, -175 degrees
- R - AXIS (WRIST ROLL) ± 150 degrees
- B - AXIS (WRIST PITCH) +180, - 45 degrees
- T - AXIS (WRIST TWIST) ± 200 degrees
- WELDER Motoweld 350 AMP

MOTOMAN ARC WORLD II – 6000 with UP20 ROBOT

- MOTOMAN UP20 6 AXIS ROBOT
- S - AXIS (TUNING) ± 180 degrees
- L - AXIS (LOWER ARM) +155, -110 degrees
- U - AXIS (UPPER ARM) +210, -80 degrees
- R - AXIS (WRIST ROLL) ± 190 degrees
- B - AXIS (WRIST PITCH) +230, -50 degrees
- T - AXIS (WRIST TWIST) ± 360 degrees
- WELDER Miller Auto Delta Weld

MOTOMAN K6SB - 6 AXIS ROBOT MIG WELDER

- S - AXIS (TUNING) 340 degrees max
- L - AXIS (LOWER ARM) 240 degrees max
- U - AXIS (UPPER ARM) 270 degrees max
- R - AXIS (WRIST ROLL) 360 degrees max
- B - AXIS (WRIST PITCH) 270 degrees max
- T - AXIS (WRIST TWIST) 400 degrees max
- WELDER HOBART – MIG 450 RVS
- MAX. RADIAL REACH 52 inches / 1,322 mm
- MIN. RADIAL REACH 22.5 inches / 572 mm

LINCOLN COOPER GOFA COBOT

- AXIS 1 ROTATION -180 ° TO 180°



- AXIS 2 ARM -180° TO 180°
- AXIS 3 ARM -225° TO 85°
- AXIS 4 WRIST - 180° TO 180°
- AXIS 5 BEND -180° TO 180°
- AXIS 6 TURN -270° TO 270°
- 950 mm REACH
- WELDER POWER WAVE® R450 POWERSOURCE
- ABB ROBOT ARM

PART POSITIONER

- 30.7 rpm HEADSTOCK ROTATION
- 30.7 rpm HEADSTOCK ROTATION
- 4 SECOND INDEX TIME

Manual Weld Machines

- FRONIUS TransPuls Synergic 2700 – MIG/TIG/Manual Metal Arc • Miller Delta Weld 300
- Hobart Lincoln Stick/TIG
- HOBART Cyber Weld 302 (2 machines)
- Hobart Cyber Weld 452
- IRCO Hub Welder
- Miller Delta Weld 300
- Miller Delta Weld 302
- Miller CP-252 TS
- Lincoln POWER MIG®360 MP (3 machines)

Spot Welding

WELD O MATIC AF - AUTOMATIC SPOT WELDER

- MAX. MATERIAL THICKNESS
- 12 GA. (.105) C.R. STEEL
- 14 GA. (.075) STAINLESS
- 18 GA. (.048) GALV. STEEL
- RATED KVA 25

Hard Insertion Machine

Haeger 618-Plus

- 400 to 12,000 lbs / 2,000 Newtons to 53,000 Newtons OF RAM FORCE
- HYDRAULIC
- 18 inches / 457 mm THROAT DEPTH
- 15 inches / 381 mm THROAT HEIGHT

Paint & Finishing

Powder Coat Paint Line

- Conveyorized 600 foot / 182 metre long paint line
- Powder paint booth with dual manual powder application
- Custom or stock colours and textures available
- Inline 3 stage iron phosphate wash system
- Maximum part size of 40 inches X 96 inches X 36 inches / 1,016 mm X 2,438 mm X 914 mm

Assembly & Packaging

JGW Machine Limited assembly personnel can assemble large or small components in quantities from thousands to one or two lot sizes. We can also prepare parts for shipping to our customer's specifications and ship throughout the World.