

Universal Milling including 5 Axis

Machine	Capacity and Component Weight	Specification Control
CORREA Norma MG 35	3500mm x 1250mm x 1500mm x 5 Tonne	HEIDENHAIN iTNC-640 80 Capacity Tool Change Integrated 4th Axis Rotary Table (2m x 1.8m) Automatic Universal Head Full 4 – Axis Control
CORREA Norma 45	4500mm x 1250mm x 1400mm x 5 Tonne	HEIDENHAIN iTNC-530 80 Capacity Tool Change Integrated 4th Axis Rotary Table (1m Dia) Automatic Universal Head Full 4 – Axis Control
MAZAK VTC 800/30SLR - 5 Axis	3000mm x 800mm x 800mm x 2.5 Tonne	MAZATROL and EIA/ISO 155 Capacity Tool Change 1m NC Rotary 5th Axis Table High torque 18000 RPM spindle Renishaw Probing
ANAYAK VH PLUS-4000-MG10	4000mm x 1500mm x 2000mm x 10 Tonne	HEIDENHAIN iTNC-530 60 Capacity Tool Change Integrated Rototranslating 4th Axis Table Automatic Universal Head Full 4 – Axis Control
ANAYAK Performer-3000-MG 9	3000mm x 1250mm x 1100mm x 7 Tonne	HEIDENHAIN iTNC-530 60 Capacity Tool Change Integrated Rototranslating 4th Axis Table Automatic Universal Head Full 4 – Axis Control
ANAYAK Performer-2000-MG 9	2000mm x 1250mm x 1100mm x 5 Tonne	HEIDENHAIN iTNC-530 40 Capacity Tool Change Integrated Rototranslating 4th Axis Table Automatic Universal Head Full 4 – Axis Control
BUTLER HE4000 x 8m	6200mm x 1000mm x 1500mm x 10 Tonne	HEIDENHAIN TNC 426 Auto Indexing Head 40 Capacity Tool Changer

Horizontal Twin Pallet Machining including 5 Axis

Machine	Capacity and Component Weight	Specification Control
MAZAK VORTEX i-800V/8 - 5 Axis	1700mm x 1150mm x 1500mm x 2.5 Tonne	MAZATROL AND EIA/ISO 120 Capacity Tool Change Full NC Rotary 4th Axis Table & 5 Axis Milling Head High torque 10,000 RPM Spindle Renishaw Probing

HELLER MCH460 # 1	2000mm x 1400mm x 1250mm x 4 Tonne	SIEMENS 100 Capacity Tool Change Twin Pallet Renishaw Probing & Tool Breakage Sensor Full 4 – Axis Control
HELLER MCH460 #2	2000mm x 1400mm x 1250mm x 4 Tonne	SIEMENS 100 Capacity Tool Change Twin Pallet Renishaw Probing & Tool Breakage Sensor Full 4 – Axis Control
MAZAK 8800-II	1400mm x 1200mm x 1325mm x 2.2 Tonne	MAZATROL and EIA/ISO 80 Capacity Tool Change NC Rotary 4th Axis Table High torque 8000 RPM spindle Renishaw Probing
DAHLI MCH-630	1000mm x 800mm x 800mm x 1 Tonne	FANUC 60 Capacity Tool Change Twin Pallet Renishaw Probing Full 4 – Axis Control

Lathes with Driven Tooling

Machine	Capacity and Component Weight	Specification Control
DAEWOO PUMA 700LM	Max. Swing – 1030mm Max. Turning Dia - 800m Max. Turning Length – 3200mm 5 Tonne	FANUC 18i-T Complete With Full C-Axis Driven Tooling, Programmable Chuck & Tailstock
HWACHEON HI-TECH 700	Max. Swing – 900mm Max. Turning Dia - 700m Max. Turning Length – 1600mm 5 Tonne	FANUC 21i-T Complete With Full C-Axis Driven Tooling, Programmable Chuck & Tailstock

Horizontal Boring

Machine	Capacity and Component Weight	Specification Control
UNION TC110	2000mm x 1500mm x 1500mm x 5 Tonne	HEIDENHAIN TNC 530 60 Capacity Tool Changer Full 5 - Axis Control

Turning

Machine	Capacity and Component Weight	Specification Control
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DOOSAN V850 Vertical Turning Centre	Max. Swing – 1000mm Max. Turning Dia - 850mm Max. Turning Length - 850mm 5 Tonne	FANUC 21iT
XYZ ProTURN SLX 425 High speed, gap bed manual/CNC lathe	Max. Swing - 700mm Max. Turning Dia - 480mm Max. Turning Length – 1250mm 0.1 Tonne	ProtoTRAK SLX

Fabrication and Welding Activities

Mild steel, stainless steel and aluminum, using TIG, MIG, MMA and Oxy-Acetylene techniques with coded approval to ASME IX, BS EN 287 and BS EN 288 standards.

Hard-facing and resurfacing of new and worn high value machine parts utilizing alloys of cobalt (e.g. Stellites), nickel-based alloys, tool steels brass and bronzes.

5 Tonne

Inspection

2 x Full Time Inspectors
Working to BS EN ISO 9001:2015

Coordinate Measuring Machine

Mitutoyo – Crysta Apex 2000mm x 1250mm x 1000mm x 5 tonne
Mitutoyo – Crysta Apex S 905mm x 1600mm x 805mm x 1 tonne

Full Complement of Calibrated Inspection Equipment traceable to national standards:

Microhites - Tesa 1.2m & Trimos 2m
Mitutoyo - SJ 301 Surface Roughness Tester
Elcometer 355 Top Coating Thickness Gauge
Micrometers, slip gauges, etc. with full calibration certificates
Tool Pre-Setter

CAD/CAM

Full 3D CAD/CAM – Computing Facilities
Using current version of SolidCAM Software

Production Software
Progress+ Software Containing Fully Linked Quotations, Order Processing, Purchase Orders, Shop Floor Loading (Finite & Infinite), Data Collection
Lifting Capacity
2 x Over Head Cranes – 10 Tonne 6 x Over Head Cranes – 5 Tonne 1 x Over Head Crane – 3 Tonne

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BS EN ISO 9001:2015 & BSI Registered Q06332