

PLANT LIST



Principle Plant List

	Control System	Dia Ø	Traverse Movement			No. of Axis	Spindle Bore
			X	Y	Z		
CNC Mill-Turn Machining Centres							
Mazak Integrex e420H 5 Axis Lathe Max Ø245 Steady	Mazatrol Matrix	670	845	420	3060	5	117
Mazak Integrex i400H 5 Axis Lathe Max Ø200 Steady	Mazatrol Matrix 2	658	615	250	1585	5	112
Mazak Integrex j400-650 5 Axis Lathe (x2)	Mazatrol Matrix Nexus	500	615	250	650	5	102
CNC Turning							
Daewoo Puma 300LB	Fanuc 18i	400	-	-	1000	2	76
DMG CTX 410 (x2)	Fanuc 32i	500	-	-	600	2	66
DMG CTX 300 Graziano (Bar Feed & Sub-Spindle)	Fanuc	230	-	-	300	2	40
Hitachi TS15 (Bar Feed)	Sigma 21L	250	-	-	300	2	45
Doosan Puma VTS1620M	Fanuc	2000	-	-	1556	3	-
Mazak Slant Turn Nexus 550M Max Ø421 Steady	Mazatrol Max Turn Ø	748 910	465 -	- Over	3300 280	3 Length	165 -
Mazak Slant Turn Nexus 550M Max Ø410 Steady	Mazatrol Max Turn Ø	748 910	465 -	- Over	3300 280	3 Length	165 -
Horizontal Boring							
Kearns Richards SF 125	-	-	1600	1600	1350	3	-
Kearns Richards SH 75	-	-	1250	1120	1000	3	-
Milling							
XYZ SMX 3000 CNC Protrak	Protrak SMX	-	780	410	400	3	-
XYZ 3000 Turret Miller	Protrak SMX	-	813	432	406	3	-

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CNC Milling Machining Centres							
Mazak HCNu8800 Horizontal Spindle	Mazatrol Matrix	-	1400	1200	1325	4	2 pallets
Mazak VTC800/30SR 5 Axis	Mazatrol Matrix	-	3000	800	720	5	-
Mazak VTC800/30SR 5 Axis	Mazatrol Smooth	-	3000	800	720	5	-
Deckel Maho 5 Axis DMU 50 EV	Heidenhain	-	500	420	380	5	-
Doosan VC630 / 5 Axis	Heidenhain	-	650	765	520	5	-
HAAS VF3-SS (with 5th Axis unit)	HAAS	-	1016	500	635	5	-
HAAS VF3-SS (x2)	HAAS	-	1016	500	635	4	-
HAAS VF3-YT50	HAAS	-	1016	660	635	4	-
HAAS VF6	HAAS	-	1626	813	762	4	-
HAAS VF9	HAAS	-	2134	1016	762	4	-
Asquith Butler Starcut Gantry Mill	Siemens 840D	-	9000	4500	1600	5	-
Asquith Butler Starcut Gantry Mill	Siemens 840D	-	5000	4000	1250	5	-
Asquith Butler LE5000 Horizontal	Siemens 840D	-	10,000	3000	1500	7	-
Grinding							
Jones & Shipman 540P Surface Grinder (x2)	-	-	450	150	-	-	-
Jones & Shipman 1415	-	-	-	-	-	-	-
Jones & Shipman 1079 Universal Grinder	-	356	-	-	1000	-	-
Delepena Speed Hone	-	80	-	-	-	-	-
Turning							
XYZ Pro Turn 425 Gap Bed Lathe with Protrak Control	-	480	-	-	1115	-	-
Max Turn Ø	-	700	-	-	224	-	-
Trens SN710S Lathe	-	720	-	Over	2000	Length	-
Waterjet							
Bystronic 4022	-	-	4000	2000	-	-	-
Automatic Height Sensing	-	-	-	-	-	-	-
Plasma							
Esprit Viper C 4044	-	-	6000	2000	-	-	-
Rotational Bevel Head System/Auto Plasma Height Control	-	-	-	-	-	-	-
Manual Oxy-Fuel Burning							
Falcon	Burny 2.5	-	4000	2500	-	-	-
Laser							
Trumpf Trulaser 5040 - 6.0 KW Laser	-	-	4000	2000	-	-	2 pallets
Compressed air cutting, fly cutting & high speed cutting technology with an automatic pallet changer.	-	-	-	-	-	-	-

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Inspection (Temperature Controlled Room)							
Mitutoyo BHN506 CNC CMM (3D Geopak 3 Programming)	-	-	490	590	290	3	-
Mitutoyo B231 Co-ordinate Measuring Machine	-	-	700	600	450	3	-
Mitutoyo Shadowgraph Projector (magnification up to 50 to 1)	-	-	200	100	-	-	-
Digital Height Gauges (x3)	-	-	-	-	800	-	-
Azimuth 3000 CNC CMM with ABCS002 HSDC System & CAD Capability	-	-	1200	3000	1000	-	-
Faro Arm - Fusion	-	-	-	3700	-	-	-
Faro Arm - Prime	-	-	-	2400	-	-	-

CAD/CAM

Licom AlphaCam CAD-CAM, Solidworks CAD, Delcam Power Shape CAD, Power Mill CAM, Autodesk Inventor, Autodesk AutoCAD, ProgeCAD - Various licence numbers for all software suites.

Automated Welding

Kuka KR240L 180 Welding Robot with KR C2 Controller (x2)
 Fanuc M-6i - 100i Welding Robot with R-J3 Controller (x2)
 Fronius CMT (Cold Metal Transfer) Welding System
 Plasma Welding System
 Fronius TPS 320i Welding System
 RT500 TIG Welding System
 Head & Tail stock manipulators 50t combined lift capacity (x2)
 5m x 4m Column & Boom SAW

Coating/Painting

Paint Chamber 16mtr x 5.6mtr (x2)
 Environmentally Controlled Paint Booth 8mtr x 4mtr x 3mtr
 Grit Blast Chamber 8mtr x 5mtr

Material Preparation

400t Manual Brake Press (4.9mtr bed)
 250t Manual Brake Press (3.7mtr bed)
 Morgan Rushworth DPBM-4 1550 / 220 Bending Pinch Rolls (10mm pre-set 12mm rolling capacity)



