

MACHINE DESCRIPTION	FACILITIES	AXIS MOVEMENTS (mm)		
		X Axis	Y Axis	Z Axis
<b>* Machines in Temperature Controlled Environment</b>				
<b>CNC ROTARY TRANSFER SYSTEM</b>				
<b>IMASFLEX 8 STATION ROTARY TRANSFER MACHINE, 1 LOAD STATION, 7 MACHINING STATIONS EACH WITH 4 SPINDLE TURRET HEAD. FANUC 16MC CONTROL.</b>	Individual Axis movement per station	230	230	280
<b>CNC HORIZONTAL MACHINING CENTRES</b>				
<b>MAKINO A51 (2 OFF) 12000 RPM. 400MM PALLET 'B' AXIS MAKINO 'PROFESSIONAL 5' CONTROL</b>	60 TOOL ATC TWIN PALLET	560	560	600
<b>MAKINO A61 (2 OFF) 12000 RPM. 500MM PALLET 'B' AXIS MAKINO 'PROFESSIONAL 5' CONTROL</b>	60 TOOL ATC TWIN PALLET	730	650	730
<b>MORI SEIKI NH6300 DCG (1 OFF) 12000 RPM. 630MM PALLET 'B' AXIS MORI MAPPS '2' CONTROL</b>	60 TOOL ATC TWIN PALLET	900	800	980
<b>MORI SEIKI NH4000 DCG (3 OFF) 14000 RPM. 400MM PALLET 'B' AXIS MORI MAPPS '2' CONTROL</b>	60 TOOL ATC TWIN PALLET	560	560	630
<b>MORI SEIKI SH5000 (1 OFF) 12000 RPM. 500MM PALLET WITH 1 DEGREE INDEX MORI MAPPS 1 CONTROL</b>	60 TOOL ATC TWIN PALLET	630	650	600
<b>MAKINO A77* (2 OFF) 10000 RPM. 630MM PALLET WITH 1 DEGREE INDEX FANUC PROFESSIONAL 3 CONTROL</b>	80 TOOL ATC TWIN PALLET	800	750	770
<b>HITACHI SEIKI HS500* (10 OFF) 12000 RPM 500MM PALLET WITH 1 DEGREE INDEX OR FULL B AXIS SEICOS 16M CONTROL (FANUC) (* 1 MACHINE IN TEMPERATURE CONTROLLED ENVIRONMENT)</b>	60 TOOL ATC TWIN PALLET	680	680	680
<b>HITACHI SEIKI HG400 MKIII (9 OFF) 12000 RPM 400MM PALLET WITH 1 DEGREE INDEX OR FULL B AXIS SEICOS 16M CONTROL (FANUC)</b>	60 TOOL ATC TWIN PALLET	560	580	510
<b>HITACHI SEIKI HG400 MKII (2 OFF) 12000 RPM 400MM PALLET WITH 1 DEGREE INDEX FANUC 15M CONTROL</b>	60 TOOL ATC TWIN PALLET	560	580	510
<b>FASTEMS FMS LINE</b>				
<b>MAKINO A100e (3 OFF) 2 off 12000 RPM &amp; 1 off 18000 RPM. 1000MM PALLET WITH FULL B AXIS FANUC PROFESSIONAL 3 CONTROL</b>	188 TOOL ATC, 24 SYSTEM PALLETS	1700	1350	1400
<b>CNC VERTICAL MACHINING CENTRES</b>				
<b>CHIRON FZ 08W (1 OFF) DOUBLE SIDED SWIVEL TABLE 550 X 300MM FULL NC TRUNION TYPE 4th AXIS. HSK 32 10,000 RPM FANUC 21i CONTROL</b>	12 TOOL ATC	300	250	250
<b>HITACHI SEIKI VS 50-40 (1 OFF) 12000 RPM SEICOS 16M CONTROL</b>	40 TOOL ATC	1000	510	450
<b>MAKINO FNC 156 (1 OFF) 1600X500 PALLET FANUC 11M CONTROL</b>	40 TOOL ATC	1550	600	560
<b>CINCINNATI SABRE 750 (5 OFF) FANUC 16i-MA AND ACRAMATIC A2100 CONTROL</b>	21 TOOL ATC	762	381	508
<b>CINCINNATI LANCER 1500 (2 OFF) ACRAMATIC CONTROL</b>	30 TOOL ATC	1524	762	770
<b>FANUC ROBO DRILL a-T14iB/T14iBL (2 OFF) FANUC 16i-MA CONTROL</b>	14 TOOL TURRET CHNG	500	400	330

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		X Axis	Y Axis	Z Axis
<b>CNC TURNING CENTRES</b>				
HITACHI SEIKI CS25Y ( 10 OFF) INVERTED VERTICAL MILL/TURN CELL 48 POSITION LOAD CENTRE PER MACHINE DRIVEN TOOL AND Y AXIS SEICOS 21L CONTROL	12 STATION DRIVEN TURRET, 6 STATION PLATEN	400	255	
HARDINGE EMAG VL3 (2 OFF) INVERTED VERTICAL TURNING CELL. AUTOMATED LOADING SYSTEM FOR RAW AND SEMI FINISHED COMPONENTS.	10 STATION TURRET, PLUS 20 STATION ROTARY FEEDER	300	-	300
HYUNDAI HIT 20M (2 OFF) FULL C AXIS DRIVEN TOOL SEIMENS 810D CONTROL	12 STATION DRIVEN TURRET	594	294	480
YANG ML-25A (4 OFF) 77MM THRU SPINDLE FANUC 0TF CONTROL	12 STATION TURRET	550	280	600
<b>CNC JIG BORING</b>				
		<b>X Axis</b>	<b>Y Axis</b>	<b>Z Axis</b>
SIP CNC 620 CO-ORDINATE BORING AND MILLING MACHINE	MANUAL TOOL CHANGE	1000	710	780
<b>CNC CO-ORDINATE MEASURING MACHINES</b>				
MITUTOYO EURO C574 (2 OFF) AUTO PROBE CHANGER		505	705	405
ZEISS PRISMO MPS ( 2 OFF) AUTO PROBE CHANGER AND FULL SCANNING CAPABILITY		900	1500	700
ZEISS CONTURA (2 OFF) AUTO PROBE CHANGER AND FULL SCANNING CAPABILITY		700	1000	600
<b>CAD/CAM</b>				
SOLID EDGE AND EDGE CAM (8 USERS), SIEMENS NX CAM (3 USERS), VERICUT MACHINE TOOL SIMULATION (3 USERS). ALL CNC MACHINES PROGRAMMED VIA EDGE CAM. ABILITY TO TAKE IN CUSTOMERS RAW DATA IN MOST POPULAR FORMATS				
<b>BORE FINISHING SYSTEM</b>				
ENGIS DIAMOND/CBN REAMING MACHINE (2 OFF) 4 SPINDLE SINGLE PASS ALAN BRADLEY CONTROL	8 STATION TABLE			520
<b>ASSEMBLY</b>				
CLEAN ROOM AREAS FOR CUSTOMER SPECIFIC ASSEMBLIES. CUSTOMER DERIVED ASSEMBLY AND TEST AREAS INCLUDING PRESSURE TEST. WASHING FROM TURBEX AND CASCADE DEDICATED MACHINES. TIG AND MIG WELDING.				
<b>TOOL ROOM/MANUAL MACHINES</b>				
A TOOLROOM SUPPORTS THE MAIN MANUFACTURING PLANTS WITH TOOL AND CUTTER GRINDING, PRE-MACHINING OPS SUCH AS RING GRINDING & THE MACHINING OF LOCATION FACES & FINISHING OPERATIONS INCLUDING HONING, CYLINDRICAL & SURFACE GRINDING.				

HPC has Quality System approval to: BS EN ISO 9001:2000 ISO/TS 16949:2002 AS9100  
HPC has Environmental System approval to: BS EN ISO 14001:1996 and BS OHSAS 18001:2007

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