

# Processes & Capacities

## MACHINING

Turning	Quantity	Capacity	Weight	Features
Doosan S700 (New 2006)	1	700mm Dia x 1.727m long	500 Kg	510mm Dia over the bed
Doosan S550L (New 2006)	1	550mm Dia x 1.13m long	500 Kg	460mm Dia over the bed
Doosan 390L (New 2006)	1	390mm Dia x 750mm long	250 Kg	305mm Dia over the bed
Doosan V850 (New 2007)	1	850mm Dia x 850mm long	500 Kg	Vertical Turning Center
Yang ML55A	1	550mm Dia x 720mm long	250 Kg	
Victor V Turn 36 (1 New 2006)	4	550mm Dia x 885mm long	250 Kg	
Victor V Turn 46	1	680mm Dia x 12000mm long	250 Kg	
Puma 10S	1	305mm Dia x 500mm long	250 Kg	
Puma 400	2	770mm Dia x 978mm long	250 Kg	560mm Dia over the bed
Mori Seiki	1	250mm Dia x 500mm long	250 Kg	
Haas SL30	1	250mm Dia x 500mm long	250 Kg	
Harrison Alpha 550 Plus	1	554mm Dia x 2000mm long	250 Kg	15" 3 Jaw & 4 Jaw Chucks
Harrison Alpha 800S Plus	2	510mm Dia x 3000mm long	250 Kg	16" 3 Jaw & 20" 4 Jaw Chucks
Milling	Quantity	Capacity	Weight	Features
Dah Lih H630 (New 2007)	1	630mm x 630mm Table	1000 Kg	Twin Pallet Horizontal
Dah Lih MCV 2100	1	2300mm x 800mm Table	1000 Kg	2100mm x 850mm x 760mm
Dah Lih MCV 1450	1	1600mm x 880mm Table	1000 Kg	4th Axis 450mm max dia Thro
Dah Lih MCV 1350	1	1350mm x 680mm Table	1000 Kg	Coolant
Dah Lih MCV 1020BA (1 New 2006)	3	1250mm x 660mm Table	1000 Kg	4th Axis 360mm max dia
Haas VF 3	1	1220mm x 460mm Table	25 Kg	4th Axis 300mm max dia
Haas VF 1	1	660mm x 360mm Table	25 Kg	
Hitachi Seiki VMC	1	700mm x 400mm Table	500 Kg	
Lead MCH500D	1	500mm x 500mm Table	500 Kg	Twin Pallet Horizontal
Horizontal Borer	1	1000mm x 1000mm Table	1000 Kg	
Fil Universal	2	1620mm x 520mm Table	500 Kg	
Parkson M1200 Vertical	1	1200mm x 350mm Table	500 Kg	Universal Head
Parkson M1700 Vertical	1	1700mm x 470mm Table	500 Kg	
Parkson M1700 Horizontal	2	1700mm x 470mm Table	500 Kg	Universal Head
Spark / Wire Eroding	Quantity	Capacity	Weight	Features
600 Centre Spark 50 FZ	1	450mm x 350mm x 100mm	500 Kg	2 axis CNC Rotary Head
Fanuc Robocut Alpha	2	650mm x 450mm x 127mm	1000 Kg	5 axis Auto Wire Feed
Water Jet Cutting	Quantity	Capacity	Weight	Features
WJS 3015 ED (New Jan 2008)	1	3m x 1.5m bed	1000 Kg	Two Abrasive Cutting Heads

## SURFACE TREATMENTS

Treatment Type	Quantity	Size	Weight	Features
Hard Chrome Plating	1 Tank	2m x 0.6m x 1m	250 Kg	
Electroless Nickel Plating	2 Tanks	915mm x 915mm x 1070mm	1000 Kg	High Phosphorus
Phosphate	1 Tank	1.8m x 0.88m x 0.73m	500Kg	Manganese Iron (Class 1)
Xylan	3 Booths	1.6m x 1.5m x 2m	500 Kg	Fluorocarbon PTFE
Molybdenum Disulphide	3 Booths	1.6m x 1.5m x 2m	500 Kg	
Pickling	1 Tank	480mm Dia x 500mm Deep	500Kg	
Ovens	5	1.5m x 1.5m x 1m	500Kg	400 Deg C maximum

## SURFACE FINISHING

Finish Type	Quantity	Size	Weight	Features
Surface Grinding	3 Machines	750mm x 300mm	250 Kg	
Cylindrical Grinding	3 Machines	760mm Dia x 2m long	500 Kg	
Rotary Grinding	1 Machine	1m Diameter Table	500 Kg	
Lapping	2 Machines	1m Diameter Table	25 Kg	Conventional & Diamond
Honing	1 Machine	685mm Dia x 1m long	500 Kg	Powered Reciprocation
Polishing	3 Machines		25 Kg	Wheel & Hand
Shot Peening	1 Booth	914mm x 685mm x 457mm	25 Kg	Turbobead S170 Steel Shot
Grit Blast	2 Booths	1m Dia x 740mm long	500 Kg	120 Grit and 200 Grit

## INSPECTION & TEST

Process	Quantity		Weight	Features
CNC CMM Mitutoyo C9106 (New 2007)	1	1.7m x 1.2m bed	250 Kg	CNC
CMM Mitutoyo B706	2	1.3m x 1m bed	250 Kg	
Faro Gage Arms (New 2007)	2			
Dye Penetrant Inspection	1 Booth			Level II (Level III Support)
Magnetic Partical Inspection	1 Booth			Level II (Level III Support)
Positive Material Identification	1 Gun			Niton XLt 800 Alloy Analyser
Pressure Testing (New 2006)	1 Rig			Up to 25,000 PSI