



EQUIPMENT ENVELOPES

Sheet 1

Machine Type	Machine Size	Description & Maximums in Metric & Imperial
CNC 5-AXIS Horizontal Lathes	Small - 1700kg Capacity ~4000lbs	CNC Lathe - 20" Maximum Swing, 120" Maximum Length. 0.5m Maximum Swing, 3m Maximum Length.
	Large - Max Capacity 100,000 lbs ~45,300kg	CNC Lathe - 15m Length, 2.3m Swing, W/ Live Tooling & Grinding Attachments 590" Length, 90" Swing, W/ Live Tooling & Grinding Attachments
		Manual Lathe - 128" Maximum Swing, 336" Length 3.3m Maximum Swing, 8.5m Length
Large CNC Vertical Lathes	Small - 9000kg Capacity ~20,000lbs	CNC VTL - 79" Dia Table. 50" Under Crossrail. 2m Dia Table. 1.3m Under Crossrail.
	Large - Max Capacity 60,000 lbs ~28,000 kg	CNC VTL - 157" Dia Table, 96" Under Crossrail, 144" Dia Capacity. 3.7m Dia Table, 2m Under Crossrail, 3.8m Dia Capacity.
Horizontal Boring Mills	Small - 6000Lbs Capacity ~2,700kg	3, 4 & 5AXIS CNC BORING MILLS X=65" Y=50" W=40". 47" X 47" Rotary Table. X=1.7m Y=1.3m W=1m. 1.2m X 1.2m Rotary Table.
	Large - Max Capacity 80,000 lbs ~36,000 kg	MULTIPLE 5-AXIS CNC Boring Mills X=10m Y=5m Z=1.5m, 4mX4m Rotary Table W/200 Cartridge Tool Changer. X=400" Y=200" Z=60", 144"X144" Rotary Table

Crane Lifting Capacities	15 Cranes	35 tonnes (~32,000kg) Maximum Lifting Capacity. 50 Ton (~400,000 LBS) Capacity on Tandem Lift.
CMM	Zeiss ACCURA C99	X = 70" Y = 47" Z = 39" X = 1.78" Y = 1.2m Z = 1m
Grinding Centres	Small - 1700kg Capacity ~4000lbs	Universal Grinders (Including Studer Brand) - 0.5m Maximum Swing, 121" Maximum Length. 20" Maximum Swing, 3m Maximum Length
		Internal Grinders - 32" Maximum Swing, 24" Maximum Length. 0.8m Maximum Swing, 0.6m Maximum Length
		Surface Grinders - 52" Max Length, 24" Max Width, 23" Max Height. 1.3m Max Length, 0.6m Max Width, 0.58m Max Height
		Rotary Surface Grinder - 8" Maximum Travel, 9" Maximum Height. 0.2m Maximum Travel, 0.22m Maximum Height
Machining Centres	Small - 6000Lbs Capacity ~2,700kg	5-AXIS MILLS W/ TRUNNION TABLES X=31" Y=15.3" Z=15.3". W/ 50" X 10" Table. X=0.8m Y=0.4m Z=0.4m. W/1.3m X 0.3m Table
	Medium - 20,000lbs Capacity ~9,000kg	X=3m Y=1m W=1m. X=120" Y=140" W=40".