

## Machine Capabilities

### Capacity List – Sheffield

#### CNC Turning

Model	Max Ø mm	Max Bar Ø mm	Max length mm
Doosan 550 CNC	430	95	1095
Colchester Tornado 300 CNC	300	71	400
Colchester Tornado 200 CNC	200	71	320
Colchester Combi 6000 CNC	500	120	3000

#### Turning – Non CNC

Model	Max Ø mm	Max Bar Ø mm	Max length mm
Poreba	760	N/A	2000

#### 3 & 4 Axis Vertical & Horizontal CNC Milling

Model	Max X mm	Max Y mm	Max Z mm
Doosan DNM 5700	1050	570	510
Eumach 1400	1300	650	680
Eumach 1000	1000	600	550
Haas VFO	762	406	508

#### Vertical Boring

Model	Max Ø mm	Max Z mm
Tos Hulin	1500	900
Webster Bennett	1200	700

#### Horizontal Boring

Model	Max X mm	Max Y mm	Max Z mm
Tos 100A	1350	1250	1200

#### Radial Drilling

Model	Radius mm	Table Size
Town Woodhouse	1800	1200 x 800

#### Quality Control

Model	Max X mm	Max Y mm	Max Z mm
FaroArm – Portable CMM	600	600	600

#### Grinding

Model	Max Ø “	Max Length “
Churchill Universal	15	45

Churchill Internal	14	24
Jones & Shipman 540	19	6.75
Jones & Shipman 1310	5	17
Surface Grinding	460 x 250 x 160	

## Capacity List - Birstall

### CNC Turning

Model	Max Ø mm	Max Bar Ø mm	Max length mm
Colchester Tornado 110 CNC + Bar Feed	200	45	300
Colchester Tornado 310 CNC + Bar Feed	300	75	400
Colchester Tornado 300 CNC	300	75	400

### 3 & 4 Axis Vertical & Horizontal CNC Milling

Model	Max X mm	Max Y mm	Max Z mm
Doosan DNM 5700	1,050	570	510
Doosan DNM 4500	800	450	510
XYZ 500 LR	510	400	450

### Quality Control

Model	Max X mm	Max Y mm	Max Z mm
Mitutoyo Euro C544 CMM	500	400	400