

CAPACITY LIST 2020



CNC Turning Capacity												
M/C No.	Make	Model	Control	Description	Chuck Ø	Max Ø	X	Y	Z	C Axis (4th)	No. Tools	Features
M208	Doosan	Puma 8	Fanuc 0T	CNC Lathe	200	350	N/a	N/a	500	N/a	10	Samega MultiSam Bar feed 6.8 (Ø5 - Ø45mm)
M233	Doosan	Lynx 220	Fanuc 0iTC	CNC Lathe	200	300	N/a	N/a	300	N/a	12	
M236	Doosan	Puma 2600LY	Fanuc i	CNC Lathe	300	370	N/a	100	1200	Yes	12	Y - Axis / Driven Tooling / Programmable Steady
M237	Doosan	Puma 240M	Fanuc 21iTB	CNC Lathe	200	350	N/a	N/a	550	Yes	12	Driven Tooling
M238	Doosan	Puma 280M	Fanuc 0iTC	CNC Lathe	250	315	N/a	N/a	660	Yes	12	Driven Tooling
M239	Doosan	Puma 3100M	Fanuc i	CNC Lathe	300	385	N/a	N/a	1000	Yes	12	Driven Tooling
M240	Doosan	Puma 3100XLY	Fanuc i	CNC Lathe	380	385	N/a	130	2000	Yes	12	Y - Axis / Driven Tooling / Programmable Steady (Ø50-200mm)
M241	Doosan	Puma 3100XLY	Fanuc i	CNC Lathe	380	385	N/a	130	2000	Yes	12	Y - Axis / Driven Tooling / Programmable Steady (Ø50-200mm)
M242	Doosan	Puma 3100LM	Fanuc i	CNC Lathe	300	385	N/a	N/a	1200	Yes	12	
M246	Samsung	PL60MC/3200	Fanuc Oi-TD	CNC Lathe	530	900	N/a	N/a	3270	Yes	12	Driven Tooling / Programmable Steady (Ø45-310mm)
M243	Doosan	Puma 700LY	Fanuc 32iA	CNC Lathe	610	740	N/a	210	3200	Yes	12	Y - Axis / Driven Tooling / Programmable Steady (Ø85-350mm)
M244	Doosan	Puma 700LM	Fanuc 32iA	CNC Lathe	610	900	N/a	N/a	3200	Yes	12	Driven Tooling / Programmable Steady (Ø85-350mm)
M245	Doosan	Puma 700LY	Fanuc 32iA	CNC Lathe	610	790	N/a	200	3200	Yes	12	Y - Axis / Driven Tooling / Programmable Steady (Ø85-350mm)

Vertical Maching Centre (VMC) Capacity												
M/C No.	Make	Model	Control	Description	Chuck Ø	Max Ø	X	Y	Z	C Axis (4th)	No. Tools	Features
M314	Doosan	DNM 750L	Fanuc i	VMC	300	340	2160	760	650	Yes	30	ISO 40 / Renishaw Probing / Ø250 Driven Tailstock Chuck
M315	Doosan	DNM 750L	Fanuc i	VMC	N/a	N/a	2160	760	650	Yes	30	ISO 40 / Renishaw Probing
M316	Doosan	DNM6700	Fanuc i	VMC	200	200	1300	670	625	Yes	30	ISO40 / Renishaw Probing
M317	Hartford	HCMC 1892	Fanuc	VMC	N/a	N/a	1800	920	820	N/a	40	ISO 50

Horizontal Machining Centre (HMC) Capacity												
M/C No.	Make	Model	Control	Description	Chuck Ø	Max Ø	X	Y	Z	C Axis (4th)	No. Tools	Features
M630	KAFO	HMC 630	Fanuc	HMC	N/a	N/a	1050	800	880	N/a	40	2 X 630mm Tables

CNC Vertical Turning Lathe (VTL) Capacity												
M/C No.	Make	Model	Control	Description	Chuck Ø	Max Ø	X	Y	Z	W Axis (4th)	No. Tools	Features
M680	Webster Bennett	48"	Fagor	CNC Vertical Borer	1220	N/a	N/a	N/a	1000	N/a	5	
M681	Morando - Coremu	VLN 14	Allen Bradley	CNC Vertical Borer	1450	1730	N/a	N/a	950	N/a	12	

CNC Cylindrical Grinding Capacity												
M/C No.	Make	Model	Control	Description	Chuck Ø	Max Ø	X	Y	Z	C Axis (4th)	No. Tools	Features
M530	Robbi	CNC 3620	Siemens	CNC Cylindrical Grinder	N/a	N/a	2500	N/a	N/a	N/a	N/a	Probing

Conventional Turning Capacity												
M/C No.	Make	Model	Control	Description	Chuck Ø	Max Ø	X	Y	Z	C Axis (4th)	No. Tools	Features
M100	Colchester	BANTAM 2000	N/a	Centre Lathe	160	200	700	N/a	N/a	N/a	N/a	
M120	Colchester	MASCOT 1600	N/a	Centre Lathe	400	400	2000	N/a	N/a	N/a	N/a	
M132	Excel	XL440	N/a	Centre Lathe	400	400	3500	N/a	N/a	N/a	N/a	
M133	Unknown	GH6166H	N/a	Centre Lathe	400	660	3000	N/a	N/a	N/a	N/a	
M140	Tarnow	TUJ 630M	N/a	Centre Lathe	400	560	4000	N/a	N/a	N/a	N/a	
M141	Trens	SN71C	N/a	Centre Lathe	400	420	4000	N/a	N/a	N/a	N/a	
M142	Excel	XL500	N/a	Centre Lathe	400	400	4000	N/a	N/a	N/a	N/a	

Conventional Milling Capacity												
M/C No.	Make	Model	Control	Description	Chuck Ø	Max Ø	X	Y	Z	C Axis (4th)	No. Tools	Features
M402	Bridgeport	SERIES 1	N/a	Vertical Turret Mill	N/a	N/a	1200	300	300	N/a	N/a	
M403	Bridgeport	SERIES 1	N/a	Vertical Turret Mill	N/a	N/a	1200	300	300	N/a	N/a	

Conventional Grinding Capacity												
M/C No.	Make	Model	Control	Description	Chuck Ø	Max Ø	X	Y	Z	C Axis (4th)	No. Tools	Features
M510	Jones Shipman	540	N/a	Surface Grinder	N/a	N/a	450	150	150	N/a	N/a	Magnetic Table. Radius Dressing Attachment
M502	Erfurt	SU315	N/a	Cylindrical Grinder	N/a	520	3000	N/a	N/a	N/a	N/a	
M503	Cometa	HSP3000	N/a	Cylindrical Grinder	N/a	600	3000	N/a	N/a	N/a	N/a	
M504	Churchill	MODEL 'D'	N/a	Cylindrical Grinder	N/a	600	3700	N/a	N/a	N/a	N/a	
M501	Cincinnati	UNKNOWN	N/a	Centreless Grinder	N/a	30	600	N/a	N/a	N/a	N/a	Max' Grinding Length 350mm

Lapping Capacity												
M/C No.	Make	Model	Control	Description	Chuck Ø	Max Ø	X	Y	Z	C Axis (4th)	No. Tools	Features
M550	Stichihli	14"	N/a	Lapping Machine	N/a	200	N/a	N/a	N/a	N/a	N/a	1 Micron. Ø 230 Max Compt Size.
M551	Flexibox	14"	N/a	Lapping Machine	N/a	200	N/a	N/a	N/a	N/a	N/a	3 Micron. Ø 230 Max Compt Size.
M552	Flexibox	24"	N/a	Lapping Machine	N/a	250	N/a	N/a	N/a	N/a	N/a	14 Micron. Ø 305 Max Compt Size.
M553	Engis	36"	N/a	Lapping Machine	N/a	350	N/a	N/a	N/a	N/a	N/a	14 Micron. Ø 610 Max Compt Size.

Manual Horizontal Boring Capacity												
M/C No.	Make	Model	Control	Description	Chuck Ø	Max Ø	X	Y	Z	W Axis (4th)	No. Tools	Features
M610	Union	BFT90-3	N/a	Horizontal Borer	N/a	N/a	1600	1250	1600	N/a	1	Table Size = 1400 X 1250 / Facing Head = Ø800mm (Max)
M611	Kearns Richards	SF125	N/a	Horizontal Borer	N/a	N/a	2500	1700	1750	N/a	1	Table Size = 1800 X 1200 / Facing Head = Ø1200mm (Max)

Drilling Capacity												
M/C No.	Make	Model	Control	Description	Chuck Ø	Max Ø	X	Y	Z	C Axis (4th)	No. Tools	Features
M712	Pollard	UNKNOWN	N/a	Pillar Drill	N/a	N/a	N/a	N/a	500	N/a	2	TWIN SPINDLE
M715	Csepel	RFH75	N/a	Radial Arm Drill	N/a	N/a	1600	N/a	1500	N/a	1	2200mm ARM RADIUS

Fabrication Capacity												
M/C No.	Make	Model	Control	Description	Chuck Ø	Max Ø	X	Y	Z	C Axis (4th)	No. Tools	Features
M801	LVD	HSL 31/6	N/a	Guillotine	N/a	N/a	3100	N/a	6.35	N/a	N/a	
M706	Startrite	HB330M	N/a	Bandsaw	N/a	330	N/a	N/a	N/a	N/a	N/a	
M705	Prosaw	LX-330AE	DELTA	CNC Bandsaw	N/a	330	N/a	N/a	N/a	N/a	N/a	
M702	Drummond	UNKNOWN	N/a	Shaft Press (Hydraulic)	N/a	N/a	N/a	N/a	N/a	N/a	N/a	15 TON
M703	Oldfield & Schofield	UNKNOWN	N/a	Shaft Press (Mechanical)	N/a	N/a	1370	430	400	N/a	N/a	20 TON
M890	N/a	N/a	N/a	Coded Welding	N/a	N/a	N/a	N/a	N/a	N/a	N/a	ASME IX:2017 / BS EN 287-1:2011 / EN ISO 5817:2014 / EN ISO 9606:2017
M810	N/a	N/a	N/a	Fabrication	N/a	N/a	N/a	N/a	N/a	N/a	N/a	Up to 3 Ton
M800	N/a	N/a	N/a	Assembly	N/a	N/a	N/a	N/a	N/a	N/a	N/a	Up to 3 Ton

Inspection Capacity												
M/C No.	Make	Model	Control	Description	Chuck Ø	Max Ø	X	Y	Z	C Axis (4th)	No. Tools	Features
M900	LK	G80 Microvector	N/a	CMM	N/a	N/a	1860	3600	800	N/a	N/a	
M901	Faro	Gauge Plus	N/a	FARO GAUGE	N/a	N/a	N/a	N/a	N/a	N/a	N/a	1200mm Working Volume. 0.005mm Accuracy
M903	Oxford Instruments	X-Met 8000	N/a	PMI Inspection	N/a	N/a	N/a	N/a	N/a	N/a	N/a	
M904	N/a	N/a	N/a	LPI Inspection	N/a	N/a	N/a	N/a	N/a	N/a	N/a	Qualified to NPL - Level 2

Additional Information												
M/C No.	Make	Model	Control	Description	Chuck Ø	Max Ø	X	Y	Z	C Axis (4th)	No. Tools	Features
N/a	N/a	N/a	N/a	Internal Floor Space								33000 Sq Ft - Internal Floor Space
N/a	N/a	N/a	N/a	Max Lift (Overhead Crane)								5,000Kg
N/a	N/a	N/a	N/a	Fork Lift								2,000Kg
N/a	N/a	N/a	N/a	Transport								1,200Kg - 4m (Max Length)