

Mitchell Crane Machine Specifications & Capacities Chart

4 Axis CNC Machining Centers

Brand	Model	Travel X, Y & Z Axis	HP / RPM	Table	4th Axis
Haas	VF3YT50	40"x26"x25"	30/7500	54"x25"	10"
Haas	VF3YT50	40"x26"x25"	30/7500	54"x25"	10"
Toyoda	FV1680	63"x31.5"x34.5"	35/6000	68.9x31.5	12"
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CNC Lathes

Brand	Model	Maximum Part Diameter	Max Part O.A.L.	Maximum RPM	Chuck Size	Through Hole
Daewoo Puma	300L	15.5"	51"	3000	12"	3"
Daewoo Puma	350	21.5"	42"	2000	18"	4-5/8"
Daewoo Puma	400	24"	42"	1500	21"	5-1/4"
Daewoo Puma	400M	21.75"	38.5"	1500	21"	5-1/4"

Spine & Gear Shaping Machines

Brand	Model	Riser	Stroke	Max PD. ID.	Max. PD. OD.	Max Part Dia.	Max DP
Fellows	36-6	5"	6"	36"	40"	40"	3
Fellows	6 Type	10"	5"	25"	35"	30"	4
Fellows	6 Type	16"	5"	25"	35"	24"	4
Fellows	36-6	6"	6"	36"	40"	40"	3
Fellows	36-6	18"	6"	36"	40"	52"	3

Spine & Gear Hobbing Machines

Brand	Model	Helical	Maximum OAL	Maximum OD	Through Hole Size	Max DP	Chuck Type
Lees Bradner	H-16	N/A	144"	22"	6.25"	1.75 DP	20"4 JAW
Gould & Eberhardt	48-H	N/A	24"	36"	N/A	2 DP	Face Plate
Barber-Coleman	4-10	N/A	10"	6"	N/A	6 DP	3.5"3 JAW
Gould & Eberhardt	24-H	Yes	24"	18"	N/A	2 DP	Face Plate
Lorenz	Metall Esser	N/A	60"	80"	N/A	.75 DP	Face Plate
Gould & Eberhardt	48-HS	N/A	24"	48"	N/A	1.5 DP	Face Plate
Gould & Eberhardt	48-H	N/A	75"	36"	N/A	1.5 DP	Face Plate
Gould & Eberhardt	72-H	Yes	48"	72"	N/A	1.0 DP	Face Plate
Gould & Eberhardt	60-B	N/A	20"	60"	N/A	N/A	Face Plate

Spine/Gear Shaping Machines

Brand	Model	Stroke	Maximum Part OD	Pitch Range	Teeth	Chuck Type
Gleason	#24 Coniflex	8"	24"	2-3/4 - 1-1/4	10-200	Hydraulic
Gleason	#24	8"	24"	2-3/4 - 1-1/2	10-200	Manual

Manual Lathes

Brand	Maximum Swing	Distance Between Centers	Hole Through Spindle	Chuck Size
Leblond	16"	48"	2.25"	12" - 4 Jaw Chuck
American Pacemaker	16"	48"	2.0"	12" - 4 Jaw Chuck
Leblond	16"	24"	2.25"	10" - 6 Jaw Chuck
Summit	26"	120"	4.0"	20" - 4 Jaw Chuck
Dean Smith Grace	21"	72"	3.50"	22" - 4 Jaw Chuck
Meuser	34"	144"	3.75"	32" - 4 Jaw Chuck
Lansing	16"	36"	4.188"	12" - 4 Jaw Chuck
Monarch	24"	120"	2.25"	20" - 4 Jaw Chuck
Yamakazi	24"	100"	4.1"	24" - 4 Jaw Chuck

Radial Arm Drills

Brand	Arm Length	Column Diameter	Max. Part Length	Chuck Size
Carlton	6'	19"	72"	#5 Morse Taper
Fosdick	4'	13"	114"	#5 Morse Taper
American	4'	11"	48"	#4 Morse Taper
Jet	4'	9"	42"	#4 Morse Taper

Manual Mills

Brand	Table Size	Travel X, Y & Z Quill	Horsepower	Max. Weigh
Kent	42"x9"	30"x12"x16"x5"	2	750 Pounds
Bridgeport	42"x9"	30"x12"x16"x5"	2	750 Pounds

Vertical Turret Lathes

Brand	Model	Max. Swing	Distance Under Rail	Chuck Type
Bullard	Spiral Drive	42"	34"	4 Jaw Chuck
Bullard	Spiral Drive	42"	34"	4 Jaw Chuck
Bullard	Spiral Drive	42"	34"	4 Jaw Chuck
Bullard	Spiral Drive	60"	60"	4 Jaw Chuck
Giddins & Lewis	Hypro	60"	60"	4 Jaw Chuck
Bullard	Cutmaster	42"	37"	4 Jaw Chuck
Bullard	Cutmaster	54"	48"	4 Jaw Chuck