KAAST

C-Turn

270 | 315

Manual Engine Lathe, 21x40'' to 25x120''

The machine features **hardened** and **precision-ground guideways** to ensure long-lasting accuracy and durability. The massive bed is a box type construction combined with extra wide bed ways. The bed and stand are manufactured from high quality **cast iron** and **annealed** to relieve internal residual stress. It operates with exceptionally **low noise**, enhancing the working environment. A **universal-type gearbox** allows for cutting **metric**, **Whitworth**, **module**, and **diametral threads** without the need to change gears, providing convenience and efficiency. Additionally, the **feed handwheel** can be ordered on either the **left or right side,** depending on the operator's preference.

3-Axis Digital Readout (DRO) is Included

C-Turn			270/1000	270/1500	270/2000	270/3000	315/1000	315/1500	315/2000	315/3000
			21" x 40"	21" x 60"	21" x 80"	21" x 120"	25" x 40"	25" x 60"	25" x 80"	25" x 120"
Swing over Bed		mm	Ø540 (21")				Ø630 (25")			
Swing over Gap		mm	Ø720 (28")				Ø770 (32")			
Swing over Carriage		mm	Ø360 (14")				Ø450 (18")			
Distance Between Centers		mm	1000 (39")	1500 (58")	2000 (78")	3000 (118")	1000 (39")	1500 (58")	2000 (78")	3000 (118")
Chuck Mount			D1-8 [Opt. D1-8, A1-11, A2-11]							
Spindle Bore Diameter		mm	Ø85 (3") [Opt. Ø105 (4"), Ø155 (6")]							
Speeds	18 Steps	rpm	25–1545 [Opt. 23~1293, 13~690]							
	Variable (Opt)	rpm	27–2250 [Opt. 20~1500, 10~800]							
Bed Width		mm	350 (13.5")							
X-Axis Travel		mm	330 (12.8")							
Toolholder Travel: Z[1]		mm	150 (5.85")							
Threading	Inches	TPI	(36) 4–56							
	Metric	mm/pitch	(24) 0.5–7							
	Diametral	P	(36) 8–112 D.P.							
	Module	M	(16) 0.25–3.5 M.P							
Feed	Z	mm/rev	0.06–0.88 (0.002–0.034"/rev)							
	X	mm/rev	0.03–0.44 (0.001–0.017"/rev)							
Tailstock Quill Diameter		mm	Ø75 (2.9")							
Tailstock Quill Travel		mm	170 (6.6")							
Tailstock Quill Taper			MT5							
Main Spindle Motor		kW	7.5 (10 Hp) [Opt. 11 (15 Hp)]							
Weight		kg	2200 (4,850 lbs)	2450 (5,400 lbs)	2600 (5,730 lbs)	2700 (5,950 lbs)	2300 (5,060 lbs)	2550 (5,610 lbs)	2700 (5,940 lbs)	2800 (6,160 lbs)
Item No.			1610081	1610082	1610083	1610084	1610089	1610090	1610091	1610092
Item No. [V-Model]			1610085	1610086	1610087	1610088	1610093	1610094	1610095	1610096

*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment.