

C-Turn 420/1600 · 33x63" Engine Lathe



The C-Turn engine lathes feature hardened and precision-ground guideways for accuracy and durability. This exceptionally low noise machine has a universal-type gearbox allowing for cutting metric, Whitworth, module, and diametrical threads with no need to change gears.

The feed handwheel can be ordered left or right based on the needs of the operator and rapid traverse, standard on 385 & 420 models, can be added as an option to smaller sizes.

The C-Turn series is also available with stepless spindle speed and Constant Surface Speed (CSS) feature up to 3,100 rpm. Offering an optimal structure design, the entire structure of the C-Turn series conventional engine lathe is carefully designed for maximum stability when performing heavy precision cutting. The massive bed is a box type construction combined with extra wide bed ways, providing increased rigidity and stability. The bed and stand are manufactured from high quality cast iron and annealed to relieve internal residual stress. The bed ways are high-frequency heat treated and precision ground which can avoid vibration and tool chattering during performing heavy-duty machining.

Standard Configuration:

- 3-axis digital readout
- 3-jaw chuck Ø250mm (10")
- 4-post toolholder
- Work light
- Coolant system
- Backsplash guard
- Chuck guard
- Tool Kit
- Footbrake



Specifications		
Center Height	mm	420 (16.5")
Swing over bed	mm	840 (33")
Swing over gap	mm	1080 (43")
Swing over carriage	mm	570 (22.4")
Distance between centers	mm	1600 (63")
Chuck mount		A2-11
Spindle Bore Diameter	mm	105 (4") (opt:155 (6"), 230 (9"), 305 (12"))
Speeds	18 Step	Inverter: 23~1293 (opt:H: 1500~331, M: 330~93, L: 92~20)
Bed Width	mm	450 (18")
Axis Travel	mm	X: 450 (17")
Toolholder travel	mm	Z1: 250 (10")
Threading	in	Inches (36): 4-56 TPI
	mm	Metric (65): 0.08-14 (0.003-0.55")
		Diametral (36): 8-112 D.P. Module (16): 0.25-3.5 M.P.
Travels	mm/rev	Z: 0.06-0.88 (0.002-0.034"/rev)
		X: 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		MT 5
Main spindle motor	kW	15 (10Hp) (option: 11kW/15Hp)
Weight	kg	3450 (7,590 lbs)

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