

# C-Turn 385/3100 · 30x122" Engine Lathe



The C-Turn series Manual Engine Lathes feature hardened, precision-ground guideways, exceptionally low noise, and a universal gearbox. These allows for cutting metric, Whitworth, module, and diametral threads down to the most precise measurements with no need to change gears.

The entire structure of the C-Turn series lathes 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
- 4-post toolholder
- Work light
- Coolant system
- Backsplash guard
- Chuck guard
- Footbrake
- Z-Axis Rapid
- Tool kit



Specifications		
Swing over bed	Ø770 mm (30")	
Swing over gap	Ø980 mm (38")	
Swing over carriage	Ø500 mm (19")	
Distance between centers	3100 mm (122")	
Chuck mount	A1-11	
Spindle bore diameter	Ø105 mm (4")	
Speeds	12 Steps	23-1293 rpm
	Inverter	20-1500 rpm
Bed width	450 mm (18")	
Axis travel: X	450 mm (18")	
Toolholder travel: Z	250 mm (10")	
Threading	Inches	(36) 4-56 TPI
	Metric	(24) 0.5-7 mm/pitch
	Diametral	(36) 8-112 D.P.
	Module	(16) 0.25-3.5 M.P.
Feed	Z	0.05-0.70 mm/rev (0.001-0.027"/rev)
	X	0.025-0.35 mm/rev (0.0009-0.013"/rev)
Tailstock quill diameter	Ø105 mm (4")	
Tailstock quill travel	220 mm (8.6")	
Tailstock quill taper	MT5	
Main spindle motor	15 kW (20 Hp)	
Weight	4100 kg (9020 lbs)	

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