

# CINCINNATI MACHINES

## Python

### HEAVY-DUTY PRECISION LATHES



CINCINNATI MACHINES **Python** Heavy-Duty Engine Lathes are designed and manufactured from the ground up to provide maximum performance and versatility. **Python** features heavily ribbed meehanite castings, hardened and ground bedways, hardened and ground spindles and headstock gears, universal gear box, and rigid tailstock with rack & handle positioning. Add to that the standard 15HP main motor drive, centralized one-shot lubrication system, and the standard rapid traverse longitudinal axis, and you have a very reliable, versatile and powerful machine.

**Python** also boasts a very wide range of optional accessories, such as 16" 3-jaw chucks, 20", 22", and 24" 4-jaw independent chucks, steady rests, follow rests, rotating center, coolant system, 20hp main motor drive, and full chip enclosure.

**RIGIDITY** **POWER** **VERSATILITY**

## STANDARD EQUIPMENT

- \*Gap bed
- \*4-jaw independent chuck
- \*Camlock spindle nose
- \*16 spindle speeds 10-1395 (geometric progression)
- \*One-shot central lubrication system
- \*4-Way toolpost
- \*Feeding/threading interlock device
- \*Feed rod overload clutch
- \*Center sleeve and centers
- \*Threading dial indicator
- \*One backplate for chuck
- \*Leveling pads
- \*Toolbox & tools

## OPTIONAL ACCESSORIES

- \*Large variety of 3 and 4 jaw chucks and faceplates
- \*Follow rests and steady rests
- \*Rotating centers
- \*Coolant system
- \*Cutter illuminating attachment
- \*Full length chip enclosure/guarding
- \*Turret type micrometer bed stop
- \*5C collet attachment & collets
- \*Taper turning attachment
- \*Rear chuck adaptor and chucks
- \*Quick-change tool post & toolholders
- \*Hydraulic tracer attachment
- \*VS spindle drive unit

## CONSTRUCTION FEATURES



- \*Heavily ribbed meehanite castings
- \*Hardened and ground bedways
- \*Hardened and ground spindles and headstock gears
- \*Matrix multi-plate clutch & electro-magnetic brake
- \*Longitudinal power feed rapid traverse
- \*Cross slide backlash adjustment
- \*Universal gearbox providing:  
(metric, whitworth, M.P. & D.P. threads)
- \*Simple, fast, feed control lever
- \*Front removeable chip pan
- \*Three precision spindle support bearings
- \*Leadscrew with full length steel cover
- \*Rigid tailstock with rack & handle positioning

## MACHINE SPECIFICATIONS (inches)

MODEL	2660	2680	26120	26160	3060	3080	30120	30160
Center height		13				15		
Swing over bed		26				30		
Swing over crossslide		18				22		
Swing in gap		33.8				37.8		
Distance between centers	60	80	120	160	60	80	120	160
Gap width in front of faceplate		16				16		
Spindle nose (Camlock)		D1-11 (A2-11 optional)				D1-11 (A2-1 optional)		
Spindle bore		4.125				4.125		
Spindle speeds (16 steps)		10-1395				10-1395		
Spindle nose bush		#8MT				#8MT		
Spindle center		#6MT				#6MT		
Tailstock center		#6MT				#6MT		
Width of bed		18.9				18.9		
Length of bed	118	138	178	218	118	138	178	218
Crossslide travel		13				15		
Top slide travel		10				10		
Tailstock spindle travel		12				12		
Tailstock barrel diameter		13				13		
No. of whitworth threads		45 (2-72 tpi)				45 (2-72 tpi)		
No. of metric threads		39 (0.2mm-14mm)				39 (0.2mm-14mm)		
No. of diametral pitch threads		21 (8-44 D.P.)				21 (8-44 D.P.)		
No. of module pitch threads		18 (0.3-3.5mm)				18 (0.3-3.5mm)		
Longitudinal feeds		0.04-10 (0.0015 - 0.004) 640 ipm rapid				0.04-10 (0.0015 - 0.004) 640 ipm rapid		
Cross feeds		0.02 - 0.5 (0.0008 - 0.02)				0.02 - 0.5 (0.0008 - 0.02)		
Main drive motor		15HP (20HP optional)				15 HP (20HP optional)		
Shipping size (LxWxH)	150x73x86	170x73x86	210x73x86	250x73x86	150x73x88	170x73x88	210x73x88	250x73x88
Machine weight (lbs.)	8350	9460	11880	14300	8800	9900	12320	14740
Shipping weight (lbs.)	9460	11000	13200	15840	9900	11440	13640	16280

Machine Specifications and Features shown in this brochure are provided as a guide only and are subject to change without notice