

# CNC LATHE FOR EDUCATION 15L SLANT-PRO CNC LATHE



## 15L Slant PRO CNC LATHE



### SPINDLE

Spindle Power	3 hp (2.24 kW)
Spindle Speed	100 to 3,500 RPM
Spindle Taper	5C (with removable insert)
Spindle Bore Diameter	1.53 in. (38.86 mm) (with 5C insert removed)
Spindle Nose	D1-4 Camlock Mount

### MOTION

Max Feed Rate	100 IPM (2.54 m/min) (X) 100 IPM (2.54 m/min) (Z)
Axis Drivers (X,Z)	High-Performance Polyphase Stepper Motors with Leadshine® Microstepping Drivers

### POWER

Power Required (Primary)	230 Vac single-phase, 20A breaker
Power Required (Secondary)	115 Vac single-phase, 20A breaker

### MACHINE SPECIFICATIONS

Recommended Footprint	72 in. × 42 in. (1829 mm × 1067 mm)
Typical System Weight	1800 lbs. (816 kg)
Swing Over Bed	15 in. (381 mm) Diameter
Swing Over Carriage	6.2 in. (157.5 mm) Diameter
X-Axis Travel	10 in. (254 mm)
Z-Axis Travel	12 in. (305 mm)
Recommended Chuck Size	6 in. (152 mm)

### MACHINE CONTROLLER



A Better User Experience

PathPilot HUB is a browser-based, full-featured PathPilot simulator, producing usable G-code.

User-friendly design

Intuitive conversational programming

- Features:
- Rigid Tapping
  - Threading
  - Constant Surface Speed

Usable G-code Memory: Controller: 80 GB

Built-in Dropbox™ support for seamlessly transferring programs

### ABOUT PathPilot HUB

PathPilot is a web-powered, browser-based, full version of PathPilot software interface for any machine in the Tormach CNC lineup.

Teachers use PathPilot HUB to replace expensive CNC simulators. Students can experiment and study before they ever touch the equipment.

Once students prove out their code virtually, they can sign into HUB on the physical Tormach machine and sync their files. Then, they run programs using their PathPilot HUB-generated G-code.

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# CNC LATHE FOR EDUCATION



## CNC LATHE PACKAGE COMPARISON



15L SLANT-PRO EDUCATION PACKAGES	BASIC	INTERMEDIATE	ADVANCED
<b>MACHINE</b>			
15L Slant-Pro™ CNC Lathe with Full Enclosure / Owner's Kit / Lifting Kit / Light Kit	✓	✓	✓
Oil Pump Style	Manual	Automatic	Automatic
<b>CONTROLLER</b>			
PathPilot Controller with Controller Arm (Adjustable Swing Arm) / Vesa Mount / Waterproof Mini Keyboard / Waterproof Mouse / Cable Kit / Wireless (Wi-Fi) Network Adapter / Jog Shuttle Controller	✓	✓	✓
Monitor & Touchscreen Monitor		✓	✓
Controller Arm Standard LCD Monitor	✓		
PathPilot Software Bootable USB Drive (Recovery Media)	✓	✓	✓
<b>MEASUREMENT</b>			
Basic 3-Piece Indicator Set	✓	✓	✓
Haimer CENTRO Precision Centring Device with 5 mm Bent Probe Tip for Haimer CENTRO		✓	✓
<b>WORKHOLDING</b>			
3-Jaw Reversible 6 in. Lathe Chuck (D1-Type Direct Mount)	✓	✓	✓
<b>LATHE TOOLHOLDING</b>			
8-Station Turret Kit and 10-Pack Coolant Nozzles		✓	✓
Right-Handed Heavy-Duty Gang Block			✓
5C Round Collet Set (18 Pieces)		✓	
5C Round Collet Set (35 Pieces)			✓
5C Collet Rack (Holds 30 Collets)		✓	✓
15L Manual 5C Drawtube		✓	
Quick Change Tool Post Kit	✓		
<b>TOOLING</b>			
Deluxe Lathe Tool Starter Kit	✓	✓	✓
OD Threading Tool: CER075K16	✓		
Gang Tool Starter Kit	✓	✓	✓
<b>ACCESSORIES &amp; UPGRADES</b>			
California Air Tools 4610S Air Compressor			✓
Automatic Collet Closer			✓
Filter-Regulator-Lubricator			✓
<b>COOLANT SYSTEM ACCESSORIES</b>			
Floating Tramp Oil Collection Pillow			✓
<b>CONSUMABLES</b>			
Machine Way Oil (1 Gallon)	✓	✓	✓
Durakut Full Synthetic Coolant (1 Gallon)	✓	✓	✓
<b>STOCK ADVANCEMENT</b>			
EZ-Puller Self-Adjusting Bar Puller			✓

\*All package prices subject to change without notice.

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