

Portable CNC Lathe

Model Number: EDU PORTABLE LATHE

Introducing the Mitsubishi Electric CNC turning center. This machine incorporates a 2HP spindle, 8-position tool turret, and flood coolant system. This machine utilizes our M80A control with real linear guide ways on each axis and a motor directly coupled to rolled ball screws. Mitsubishi Electric's Portable CNC Lathe is designed to achieve the closest representation of a traditional machine tool with the added benefit of supporting a classroom environment with limited space.

PURPOSE

Designed to fit through a standard doorway, this machine is ideal for the classroom environment. Students have the ability to turn a wide variety of ferrous materials or just test programs while cutting wax. This portable lathe also allows students to learn how to set tool geometry and work offsets during machine set-up, assuring they have the skills required to succeed. Ideal for prototyping or small production runs, Mitsubishi Electric's CNC portable lathe delivers real-world experience for students wanting to become machinists.



Standard Options

- Touch screen
- Aluminum portable stand
- USB and SD card interface
- 512kb memory
- 4" chuck with 3 self-centering jaws
- 8 position turret for 1/2" shank external tools
- 4 boring tool holders for 3/4" shank diameter tools
- Through turret coolant system (pump and tank)
- Flood coolant system
- Safety door sensor
- Threading Data server
- Full QWERTY style key panel with clear resin keys
- Canned cycles for drilling applications
- Navi Mill/Lathe Conversation Programming
- Interactive Cycle Insertion (Icon based programming)
- Made in the USA

SPECIFICATIONS

X Axis Travel	7" (180 mm)
Y Axis Travel	8.85" (225 mm)
Swing Over Bed	8.0" (203 mm)
Spindle	100–3,200rpm, 2HP
Rapid Feedrate	196 ipm (5,000 mm/min)
Cutting Feedrate	118 ipm (3,000 mm/min)
Tooling Type	1/2" shank (ext) 3/4"bore (int)
Tool Storage	8
Dimensions (H x W x D) in	72 x 48 x 30
Weight (lbs)	807 (366 kg)
Power Source	110–220VAC (20A)

Learn more about Mitsubishi Electric's Diamondworks! Workforce Development Program at: [Diamondworks](#)

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Contact us to learn more about Diamondworks! Workforce Development: Diamondworks@meau.com

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