

Portable CNC Mill

Model Number: EDU PORTABLE MILL

Introducing the Mitsubishi Electric CNC Milling machine. This machine incorporates a 2HP spindle, 11 pot tool changer, and flood coolant system. This machine utilizes our M80A control, real linear guide ways on each axis and a motor directly coupled to rolled ball screws. Mitsubishi Electric's Portable CNC Mill 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 cut a wide variety of ferrous materials or just test programs while cutting wax. This portable mill also allows students to learn how to set tool heights 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 mill delivers real-world experience for students wanting to become machinists.

Standard Options

- Touch screen
- Aluminum portable stand
- Stainless steel enclosure
- Safety air pressure sensor
- Safety door sensor
- Direct drive on all axes
- USB and SD card interface
- 512kb memory
- Rigid tapping
- High speed machining (G05 P20000)
- Data server
- Full QWERTY style key panel with clear resin keys
- Full set of canned cycles for drilling applications
- Navi Mill/Lathe conversation programming
- Interactive cycle insertion (Icon based)
- Project support kit includes:
 - ✓ Vise
 - ✓ Edge finder
 - ✓ Height gauge
- Made in the USA



SPECIFICATIONS

X Axis Travel	16.5" (241 mm)
Y Axis Travel	8.5" (217 mm)
Z Axis Travel	7.5" (190 mm)
Spindle	100–14,000rpm, 2HP
Rapid Feedrate	400 ipm (10,200 mm/min)
Cutting Feedrate	240 ipm (6,120 mm/min)
Tooling Type	S20T
Tool Storage	11
Dimensions (H x W x D) in	75 x 33 x 37
Weight (lbs)	550 (250 kg)
Power Source	110–220VAC (15A)

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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