



for a greener tomorrow



Mitsubishi Electric's EDU-Mill w/3D Printer

Equipment Description

Equipped with Mitsubishi's E80 CNC, this entry-level machine is effectively two machines in one – a 3-axis CNC mill combined with a 3D printer. The EDU-Mill has everything you need to teach a student the fundamentals of CNC Milling while exploring the concept of 3D-print processing.

The machine allows the operator to switch between creating metal parts with subtractive machining to creating plastic parts with additive machining.

Features

Designed with a 24,000 rpm spindle and ball screws on each axis, this machine will produce accurate parts using traditional block metal. Both systems are built on the same standard G-code system that today's students must learn within manufacturing engineering programs.

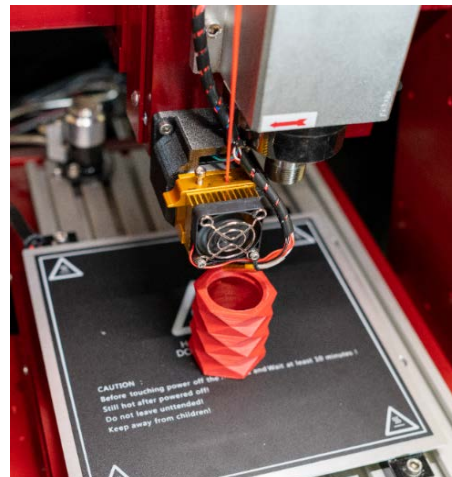
To allow for setting tool offsets easier, this machine comes standard with a tool probing system that allows students to gain the added skillset of setting tools with a "pre-setter" that automatically calculates tool offsets just as any standard CNC machine would do.

Standard Options

- 8.4" LED Screen
- USB and SD card interface
- 512kb memory (upgradable to 32GB with simple SD Card)
- Data Server
- Full set of canned cycles for drilling applications
- Navi-Mill Conversational Programming
- Interactive Cycle Insertion (Icon-based programming)
- Made in the USA

Optional Equipment

Starter Support Kit	Custom options apply
Starter Tooling Package	Custom options apply
Aluminum Stand	Custom options apply



*Optional equipment shown

Specifications

X Axis Travel	7"(178 mm)
Y Axis Travel	10.5"(266 mm)
Z Axis Travel	5"(127 mm)
Spindle	100-24,000 rpm, 2.2KW
Rapid Feed	400ipm (10,200 mm/min)
Cutting Feed	240ipm (6,120 mm/min)
Tooling Type	ER-20
Tool Storage	0
Dimensions	41.5"H, 27.5"W, 33.5"D
Weight	300Lbs (136 kg)
Power Source	110-220VAC (15A)
Resolution	0.00004"(0.001mm)
Repeatability	0.0002"(0.005mm)
Accuracy	0.0004"(0.01mm)

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