



Education Series

# Mini Mill-EDU

Starting at **\$18,995**

*Investing in the future of manufacturing with a specially priced education-edition.*

*This industry-leading machine offers state-of-the-art manufacturing capability for students – at an unbeatable price.*

- Built with the same high-quality components as the standard Mini Mill
- Available exclusively for schools
- Featuring the Haas control
- Made in the USA



*"Whether you're starting a new manufacturing program or upgrading an existing one, this machine provides a real-world machine shop experience within the classroom."*

**Haas Automation, Inc. | [www.HaasCNC.com](http://www.HaasCNC.com) | 800-331-6746 | Made in U.S.A.**

Specifications subject to change without notice. Not responsible for typographical errors. Machines shown with optional equipment. Actual product appearance may differ. Special pricing available only to registered and accredited schools in the USA and Canada. Pricing subject to change without notice.



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# Mini Mill-EDU

## PRODUCT HIGHLIGHTS

### Solid Machine Foundation

The Mini Mill-EDU features a heavy-duty steel base with an integrated coolant tank – the same durable design used by shops around the world.

### Heavy-Duty Spindle

The Mini Mill-EDU is equipped with a standard Haas 40-taper spindle that is capable of cutting lightweight, classroom-friendly materials, as well as heavy-duty metals, like hardened steel.

### Advanced Features

The Mini Mill-EDU is Internet ready, and comes standard with 1 GB of memory, a USB port, a power-failure detection module, and HaasConnect remote monitoring. Available options include macros, rigid tapping, the Haas Visual Programming System, and more.

### Student Safety

All Haas machines are fully enclosed, with steel guards and shatter-resistant, multi-layer windows to protect students.

### The Industry-Standard Control

The Haas CNC is a full-featured, industrial-duty control that utilizes industry-standard G-code programming, and is packed with advanced features that are used by manufacturers everywhere.

### Education Resource Package

Along with industry-standard capabilities, the Mini Mill-EDU includes a powerful package of educator tools, such as classroom curriculum, machine simulators, CAD/CAM and inspection software, certification and tooling packages, machinist calculators and books, and more.

## STANDARD FEATURES

- Full VMC Capabilities
- Standard 40-Taper Tooling
- Direct Speed, Belt Drive
- 16" x 12" x 10" Travels
- 36" x 12" Table
- 4000-rpm Vector Drive Spindle
- 300 ipm Rapids
- Full Enclosure
- 15" Color LCD Monitor
- Built-In USB Port
- LED Work Light
- Industry-Standard Haas Control
- High-Impact Safety Glass
- 6-Month Parts & Labor Warranty
- Made in the USA

## AVAILABLE SCHOOL OPTION PKG

**\$2,495.00**

- Wireless Networking
- Spindle Orientation
- Rigid Tapping
- User-Definable Macros
- Coordinate Rotation & Scaling
- Visual Programming System

**If ordered separately: \$10,270.00**

## OTHER OPTIONS

- 6000-rpm Spindle ..... \$1,995
- 600 ipm rapids ..... \$995  
with 500 ipm cutting
- 10-Station Tool Changer ..... \$3,995  
(includes a free simulator)
- Chip Auger ..... \$2,595
- Coolant Pump Kit ..... \$895
- Programmable Coolant Nozzle ..... \$1,595
- 4th-Axis Drive ..... \$2,295
- Wireless Intuitive Probing System ..... \$5,495
- High-Speed Machining ..... \$2,595
- Convenience Package ..... \$595
- 6-Month Extended Warranty ..... \$995

## MACHINE SPECIFICATIONS

### Travels

X	16"	406 mm
Y	12"	305 mm
Z	10"	254 mm
Spindle Nose to Table	4"-14"	102 - 356 mm

### Table

Length (total)	36"	914 mm
Length (work surface)	28.75"	730 mm
Width	12"	305 mm
Max Weight on Table	500 lb	227 kg

### T-Slots

T-Slot Width	5/8"	16 mm
Number of T-Slots	3	
Center Distance	4.3"	110 mm

### Spindle

Taper Size	CT or BT 40	
Speed	4000 rpm (6000 rpm optional)	
Drive System	Belt-Drive	
Max Torque @ 1200 rpm	33 ft-lb	45 Nm
Max Rating	7.5 hp	5.6 kW

### Brushless Axis Motors

Max Thrust Rating	2000 lb	8 896 N
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### Feedrates

Max Rapids	300 ipm	7.6 m/min (600 ipm optional)
Max Cutting	300 ipm	7.6 m/min (500 ipm optional)

### Tool Changer (Optional)

Capacity	10	
Max Tool Diameter	3.5"	89 mm
Max Tool Weight	12 lb	5.4 kg
Tool to Tool	4.2 sec	
Chip to Chip	5.0 sec	

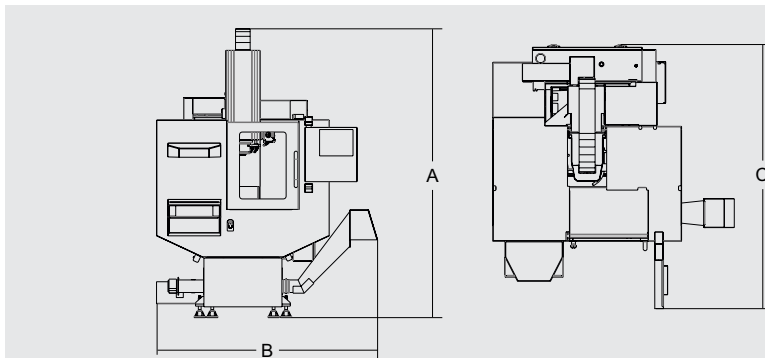
## OPERATING DIMENSIONS

A. Max Height	106"	2 692 mm
B. Max Width	91"	2 311 mm
C. Max Depth†	88"	2 235 mm

† With control swung forward.  
Additional 36" (914 mm) required to open rear service panel.

## GENERAL INFORMATION

Machine Weight	3400 lb	1 542 kg
Air Required	4 scfm	113 Lpm



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