



Haas  
F1 Team  
OFFICIAL MACHINE TOOL

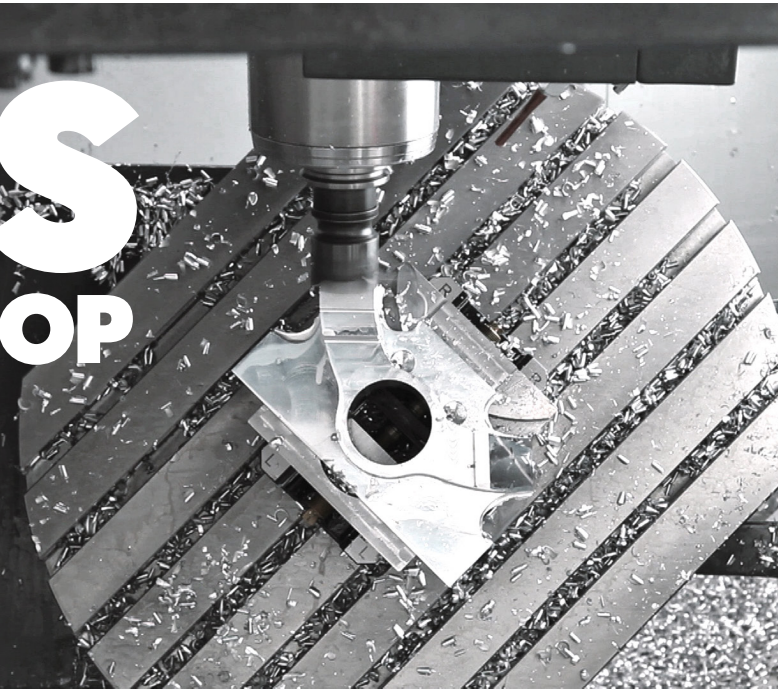
# Universal Machining Centers





# 5-AXIS FOR EVERY SHOP

5-axis machining is an effective means to reduce setups and increase accuracy for multi-sided and complex parts. Haas Universal Machining Centers are cost-effective solutions for 3+2 machining and simultaneous 5-axis machining.



			
<p><b>UMC-500 UMC-500SS</b> 40 Taper / 5 Axis Standard: 8100 rpm Super-Speed: 12,000 rpm 30+1 Tool Capacity 24" x 16" x 16" travels</p>	<p><b>UMC-750 UMC-750SS</b> 40 Taper / 5 Axis Standard: 8100 rpm Super-Speed: 12,000 rpm 30+1 Tool Capacity 30" x 20" x 20" travels</p>	<p><b>UMC-1000 UMC-1000SS</b> 40 Taper / 5 Axis Standard: 8100 rpm Super-Speed: 12,000 rpm 30+1 Tool Capacity 40" x 25" x 25" travels</p>	<p><b>UMC-1000-P UMC-1000SS-P</b> 40 Taper / 5 Axis Standard: 8100 rpm Super-Speed: 12,000 rpm 30+1 Tool Capacity 40" x 25" x 25" travels</p>
			
<p><b>UMC-1250 UMC-1250SS</b> 40 Taper / 5 Axis Standard: 8100 rpm Super-Speed: 12,000 rpm 30+1 Tool Capacity 50" x 30" x 28" travels</p>	<p><b>UMC-1500-DUO UMC-1500SS-DUO</b> 40 Taper / 5 Axis Standard: 8100 rpm Super-Speed: 12,000 rpm 30+1 Tool Capacity 60" x 20" x 20" travels</p>	<p><b>UMC-1600-H</b> 50 Taper / 5 Axis Standard: 7500 rpm 50+1 Tool Capacity 64" x 50" x 40" travels</p>	

## 5-AXIS MACHINING IS NO LONGER OUT OF REACH

### SPINDLES

Reliable, high-performance spindles – designed and manufactured by Haas.

- 8100-rpm, 30 hp, Inline Direct-Drive
- 12,000-rpm, 30 hp, Inline Direct-Drive
- 12,000-rpm, 30 hp, HSK-A63
- 15,000-rpm, 30 hp, Inline Direct-Drive
- 15,000-rpm, 30 hp, HSK-A63



Standard on all UMCs

### WIRELESS PROBING

Our industry-leading Wireless Intuitive Probing System (WIPS) sets the standard for integrated probing systems.

ALSO INCLUDES:

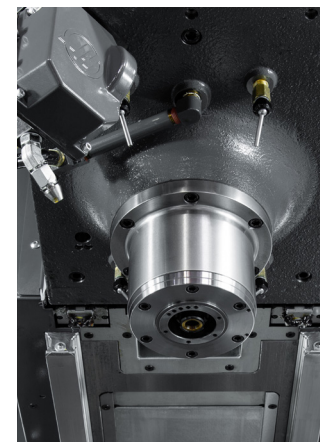
- Spindle Orientation
- User-Definable Macros
- Coordinate Rotation and Scaling
- Visual Part Programming System



### HAAS CONTROL

Faster, smarter, and better than ever, with the goal of keeping your spindle turning.

- HaasConnect Remote Monitoring
- Ethernet & WiFi Connectivity
- User-Definable Macros
- Expanded Memory\*
- DWO/TCPC

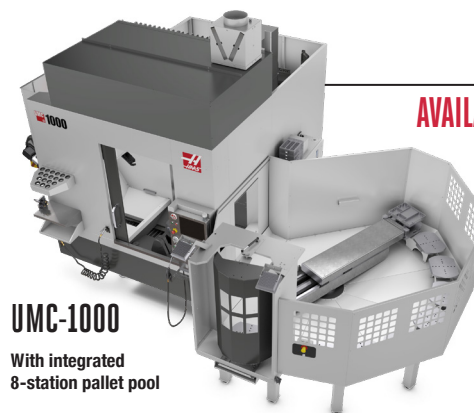


### HSK SPINDLE

The Haas-designed HSK-A63 spindle provides high rigidity and high stability for high-speed, extended-reach machining applications. The HSK (*Hohl Shaft Kegel*, or hollow-shank taper) tooling provides dual contact between the taper and the spindle face, providing a very rigid connection that offers excellent axial and radial accuracy, especially at high spindle speeds.

- 12,000-rpm or 15,000-rpm
- Dual-contact taper for high rigidity and high accuracy
- More rigid toolholders for long-reach tools
- Increased performance for 3D profiling
- Increased performance when using small cutting tools
- Requires balanced toolholders with G2.5 rating above 10,000 rpm

\*Not available on the UMC-1600-H.



**UMC-1000**  
With integrated 8-station pallet pool

### AVAILABLE ON UMC-500/SS, UMC-750/SS, UMC-1000/SS 8-STATION PALLET POOL

Whether you're doing high-volume production runs, high-mix/low-volume machining, or just want to run lights-out, you can boost the productivity of your UMC with our fully integrated 8-station pallet pool.

### AUTOMATIC PARTS LOADER Available on UMC-500/SS



### DWO/TCPC

Simplify 5-axis machining.

- Simplifies setup operations – part and fixture can be placed anywhere on the table / platter
- Saves money by eliminating costly workholding, like self-centering fixtures
- Eliminates the need to regenerate programs from the CAM system
- Makes setting up 5-axis jobs as easy as setting up a 3-axis machine

\*Optional



# IT'S EASIER – WITH PICTURES, VIDEOS, AND GRAPHICS.

## THE HAAS CONTROL – Designed, built, and programmed by Haas.

The Haas control – hardware and software – is designed and built in-house, and optimized specifically for Haas machine tools. If there is a problem – Haas Automation takes full responsibility for the entire machine. The Haas control is easy to learn and use, and it is the same across the entire product line. Haas machines are also used extensively in educational institutions around the world, so graduating students are already familiar with the Haas control, which makes finding new operators and programmers easier, and simplifies training.

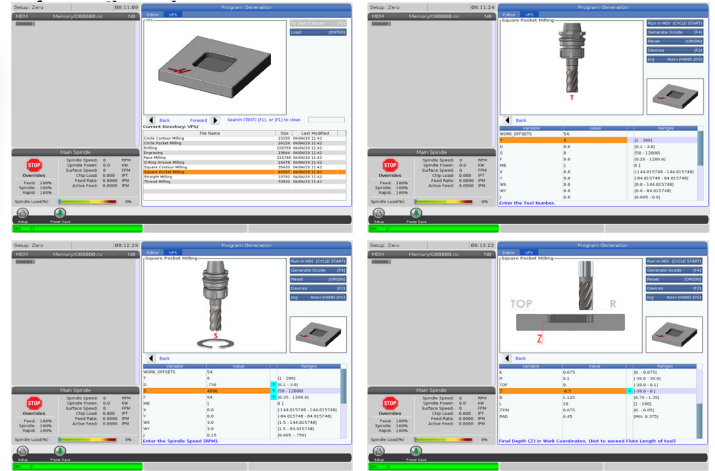
### STANDARD CONTROL FEATURES:

- Dedicated Keypad
- One-Button Features
- Multi-Function Jog Handle
- 15" Color LCD Screen
- Ethernet Interface
- USB Port
- Advanced Tool Management
- 1 GB Memory
- Power-Failure Detection Module
- M130 Media Player
- HaasConnect Mobile Monitoring
- WiFi Connectivity



## VISUAL PROGRAMMING SYSTEM

The Haas Visual Programming System uses graphical templates and a form-like interface to help you quickly create G-code programs for not only basic part features, but also more complex operations, like Y-axis milling/drilling, probing, and more. Simply define the feature in the template, and VPS then outputs working G-code at the touch of a button. VPS also includes a custom template generator, so you can create templates for your own part features.



## M130 MEDIA DISPLAY

The Haas M130 Media Display M-Code is a powerful tool for communicating with machine operators and programmers directly from the Haas control. Use M130 to call up setup instructions, tool lists, part images, manufacturing information, and more. When the program reaches an M130, the specified media (image, video, or PDF) will be displayed in the upper right corner of the control screen.



- Explain difficult-to-understand secondary operations, using pictures and videos
- Avoid miscommunications with your shop peers
- Describe step-by-step part inspection processes
- Share important setup information with shop personnel



## ALARM VIDEOS

When your machine alarms out, the first thing you want to know is: Why? The Haas control not only includes fully descriptive alarm text explaining the problem, but for many common alarms, it also includes short videos explaining the alarm, and providing valuable troubleshooting tips to resolve the issue.

## MAKE THE CONNECTION WITH HAASCONNECT

Get your machine status notifications anywhere, on any device! The Haas Control has the ability to send you, and others you designate, email notifications about the operating status of your Haas machine. Set up is fast and easy through the MyHaas Portal and HaasCNC.com.



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. Pricing subject to change without notice.

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