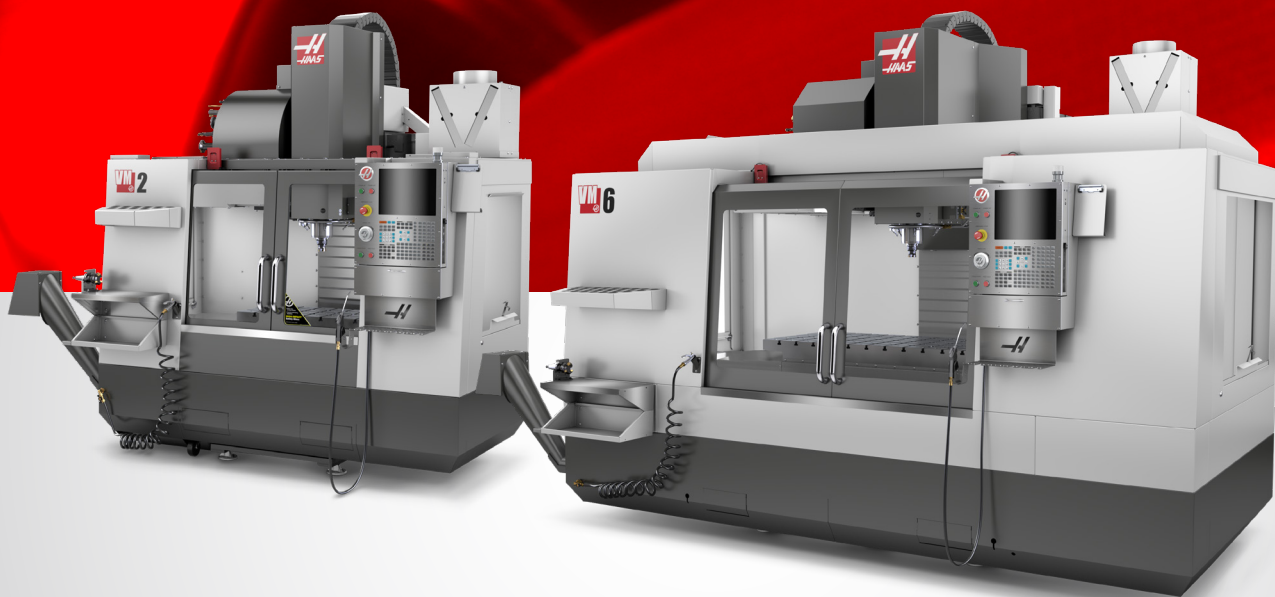Haas / Haas F1 Team
OFFICIAL MACHINE TOOL

High-Performance VMs For Mold Making and Tool & Die

VM

VM 2

VM 6

ACCURACY, RIGIDITY, AND THERMAL STABILITY

Making molds has never been easier than with the Haas VM Series machines. We've taken our industry-leading VF Series and created custom configurations just for mold making, tool & die work, and other high-precision industries. VM Series machines are also ideal for high-performance job shops looking to increase their versatility.

VM-2

TRAVELS

X Axis	30 in
Y Axis	20 in
Z Axis	20 in

FEEDRATES

Max Cutting	500 ipm
Rapids on X	710 ipm
Rapids on Y	710 ipm
Rapids on Z	710 ipm

SPINDLE

12,000 rpm	Standard
15,000 rpm	Optional
30,000 rpm	Optional

TABLE

Length/Width	36 in x 18 in
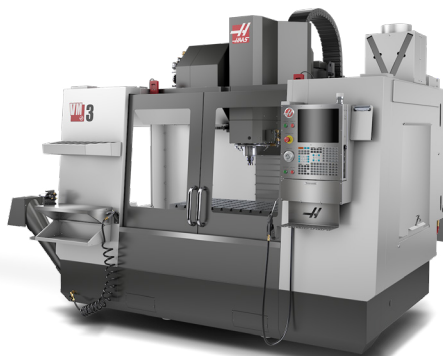
VM-3

TRAVELS

X Axis	40 in
Y Axis	26 in
Z Axis	25 in

FEEDRATES

Max Cutting	500 ipm
Rapids on X	710 ipm
Rapids on Y	710 ipm
Rapids on Z	710 ipm

SPINDLE

12,000 rpm	Standard
15,000 rpm	Optional
30,000 rpm	Optional

TABLE

Length/Width	54 in x 24 in

VM-6

TRAVELS

X Axis	64 in
Y Axis	32 in
Z Axis	30 in

FEEDRATES

Max Cutting	500 ipm
Rapids on X	600 ipm
Rapids on Y	600 ipm
Rapids on Z	600 ipm

SPINDLE

12,000 rpm	Standard
15,000 rpm	Optional
30,000 rpm	Optional

TABLE

Length/Width	64 in x 28 in

HIGH-PRODUCTION SIDE-MOUNT TOOL CHANGER WITH SUPER-FAST CAROUSEL
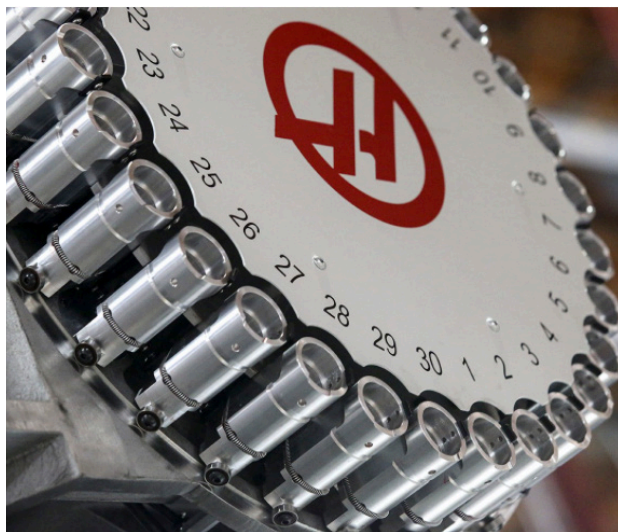
SMTC – 30+1 Standard
SMTC – 50+1 Optional

- Direct-positioning carousel for super-fast tool staging

- Fast tool changes shorten cycle times on every tool change

- Pocket Tool Table in the control allows complete control over the tool changer

- Identify tools as LARGE to leave adjacent pockets empty

- Identify tools as HEAVY to slow tool changer motion

SPINDLES

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

HSK-A63 Inline Spindle

STANDARD
- 12,000-rpm, Inline

OPTIONAL
- 15,000-rpm, Inline
- 12,000-rpm, HSK-A63, Inline
- 15,000-rpm, HSK-A63, Inline
- 30,000-rpm, Belt-Drive, BT30

THE BEST CNC CONTROL KEEPS GETTING BETTER

Haas Automation's Control continues to prove itself as the machine tool industry's most user-friendly CNC control.

The Haas control is fast, smart, and powerful, with a simple user interface and consistent, intuitive navigation. Our latest machines are packed with powerful features that simplify job setup and operation to make your shop more productive.
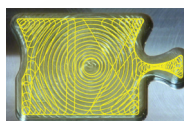
HaasConnect
Standard

Ethernet & WiFi
Standard

Macros
Standard

Remote Jog Handle
Standard
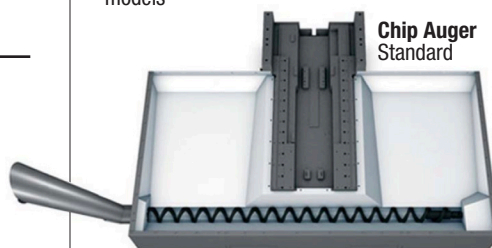
High-Speed Machining
Standard

CHIP & COOLANT MANAGEMENT
MAKE AND REMOVE CHIPS EFFICIENTLY

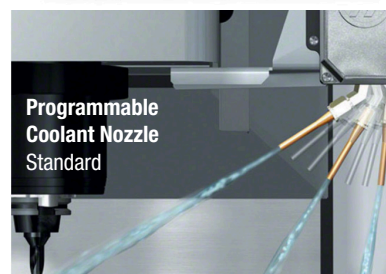Parts come out best when the cutting tool is lubricated, the cutting zone is clear, and your machine is free of chips. We obsess over creating the optimal cutting conditions to produce perfect parts.
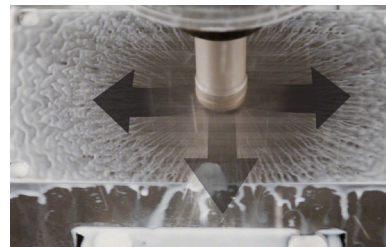
55-Gallon Coolant Tank
Standard on some models

Chip Auger
Standard

Programmable Coolant Nozzle
Standard

Through-Spindle Coolant Optional

Through-Tool Air Blast 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 or frequently used programs.

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.