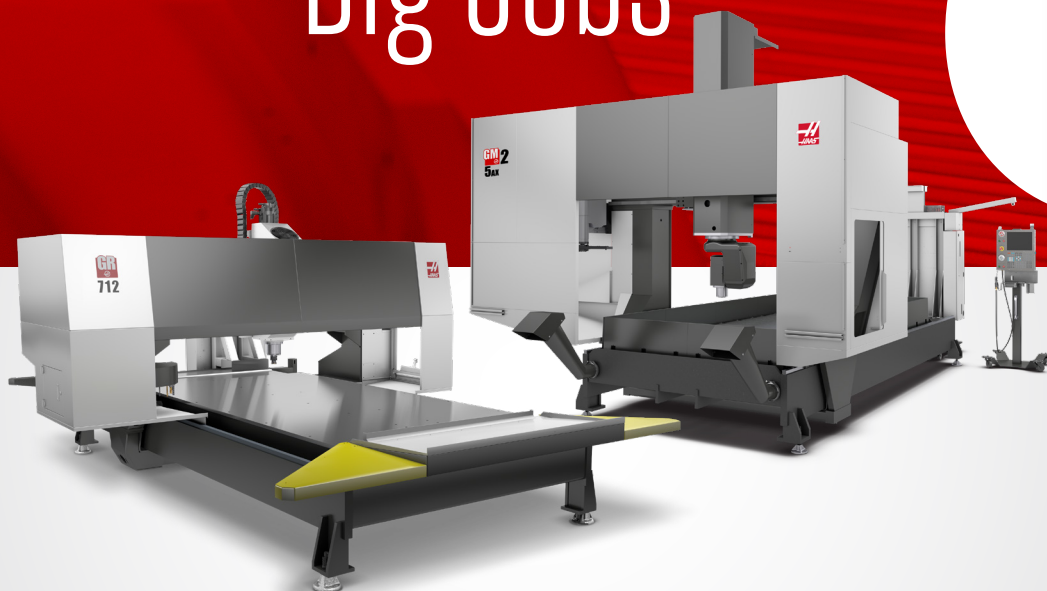




Haas
F1 Team
OFFICIAL MACHINE TOOL



LARGE-PLATFORM CNC Routers for Big Jobs

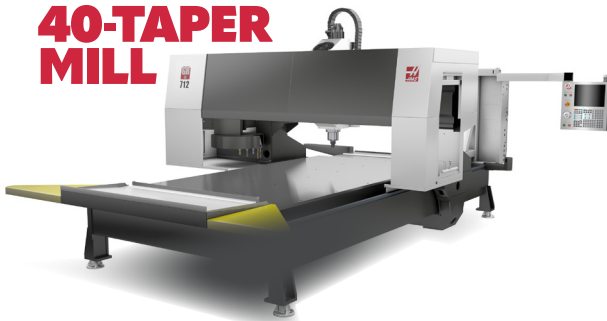




HANDLE LARGE PARTS

The Haas gantry-style routers have the power to cut aluminum and other metals, and the speed to cut various plastics and other light materials. These machines easily handle large sheets, or can machine small parts by the thousand. A traveling guard protects the operator from chips and coolant, and keeps the workspace clean.

40-TAPER MILL



GR-510

TRAVELS

XYZ	121" x 61" x 11"
Spindle Nose to Table (~ max)	13.5"
Spindle Nose to Table (~ min)	2.5"

TABLE

Length x Width x Thickness	122" x 53" x 1"
----------------------------	-----------------

GR-712

TRAVELS

XYZ	145" x 85" x 11"
Spindle Nose to Table (~ max)	13.5"
Spindle Nose to Table (~ min)	2.5"

TABLE

Length x Width x Thickness	144" x 72" x 1"
----------------------------	-----------------

STANDARD ON GR-510 AND GR-712

SPINDLE

Max Rating	15 hp
Max Speed	8100 rpm
Drive System	Direct Speed, Belt drive
Taper	CT or BT 40

TOOL CHANGER

Type / Capacity	Carousel / 10
Max Tool Diameter	3.5"
Max Tool Weight	12 lb

FEEDRATES

Max Cutting	800 ipm
Rapids on (x/y/z)	757/2100/1100 ipm

GENERAL

Coolant Capacity	95 gal
------------------	--------

AIR REQUIREMENTS

Air Required	4 scfm @ 100 psi
--------------	------------------

5-AXIS MILL



GM-2-5AX

Travels

XYZ	145" x 87.5" x 39"
Spindle Nose to Table (~ max)	37"
Spindle Nose to Table (~ min)	5"

Spindle

Max Rating	13.4 hp
Max Speed	20,000 rpm
Max Torque	11 ft-lbf @ 7500 rpm
Taper	HSK-63F

B Axis - Tilt

Travel	±120°
Max Speed	110 °/sec
Max Torque	752 ft-lbf

C Axis - Rotation

Travel	±245°
Max Speed	200 °/sec
Max Torque	760 ft-lbf

TABLE

Length x Width x Thickness	144" x 72" x 1"
----------------------------	-----------------

TOOL CHANGER

Type / Capacity	SMTC / 30+1
-----------------	-------------

FEEDRATES

Max Cutting	800 ipm
Rapids on (x/y/z)	800/2100/1100 ipm

GENERAL

Coolant Capacity	95 gal
------------------	--------

AIR REQUIREMENTS

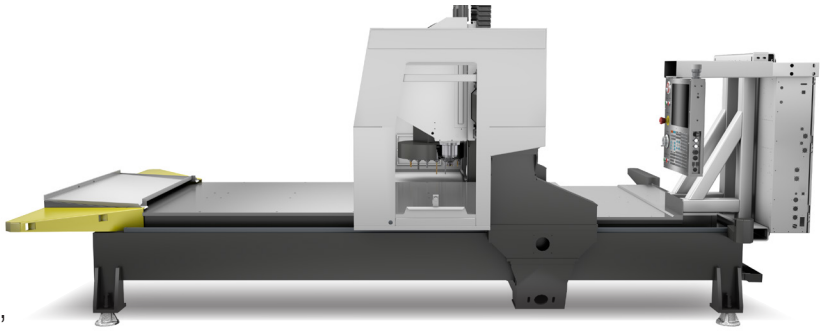
Air Required	4 scfm @ 100 psi
--------------	------------------



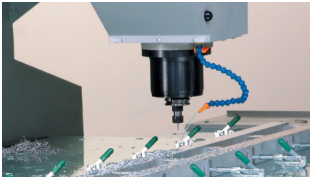
Haas Automation, Inc.

Large-Platform CNC Routers for Big Jobs

READY FOR YOUR LARGE-SCALE TASKS



GR Series machines easily handle large sheets, or can machine small parts by the thousand.



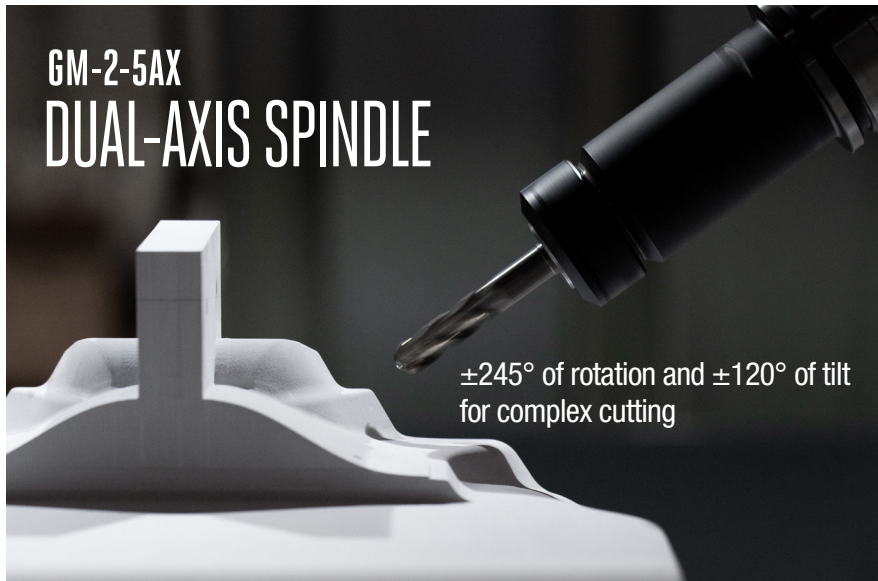
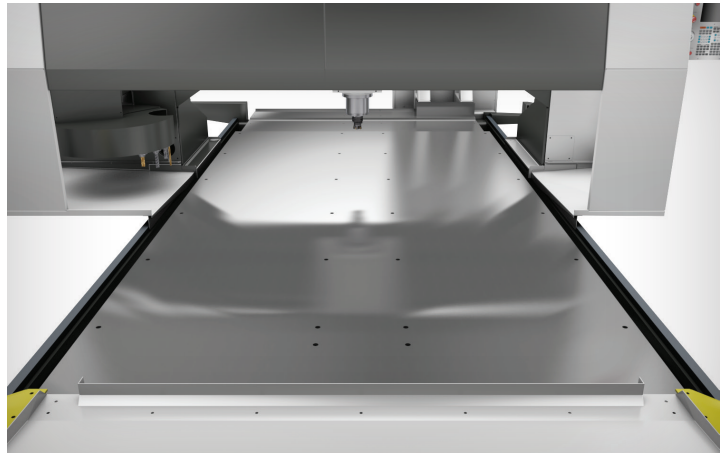
8100-RPM SPINDLE

- Excellent medium-duty spindle
- Grease-packed design is well suited for wood and other non-metallic materials



10-POCKET CAROUSEL

- Cost-effective tool changer
- Simple design
- Durable and reliable moving parts guarantee long life and reliable service

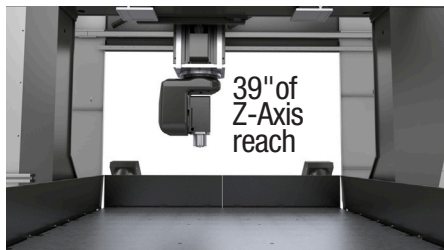


$\pm 245^\circ$ of rotation and $\pm 120^\circ$ of tilt for complex cutting

GET TO EVERY ANGLE

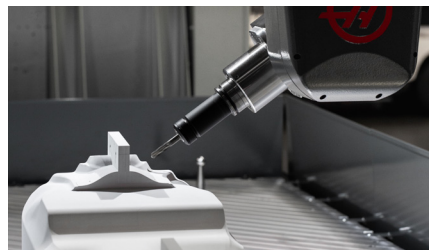
GM-2-5AX MOTION CAPABILITY

Whether you're machining large airframe components, trimming complex composite structures, or shaping massive layup molds, the GM-2-5AX has the capacity and capability to handle even your largest parts. The 20,000-rpm HSK-63F spindle provides the speed and rigidity you need for long tools and high surface feeds, and the dual-axis spindle head allows you to reach nearly any surface for machining complex contours and difficult features.



39" of Z-Axis reach

A LOT MORE Z-AXIS TRAVEL



HSK-63F INTEGRATED MOTOR SPINDLE LIGHTER | FASTER | MORE RIGID TOOL HOLDING SYSTEM

- Dual-axis spindle head provides ± 245 degrees of C-axis rotation and ± 120 degrees of B-axis tilt
- 20,000-rpm HSK-63F spindle
- 30+1 Side Mount Tool Changer
- Rigid-steel construction
- Traveling guard for chip and coolant containment
- 1" thick aluminum table



Specifications subject to change without notice. Machines shown with optional equipment. Product appearance may differ. Not responsible for typographical errors.

www.HaasCNC.com

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.



Haas Automation, Inc. | 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.

Haas
F1 Team
OFFICIAL MACHINE TOOL

