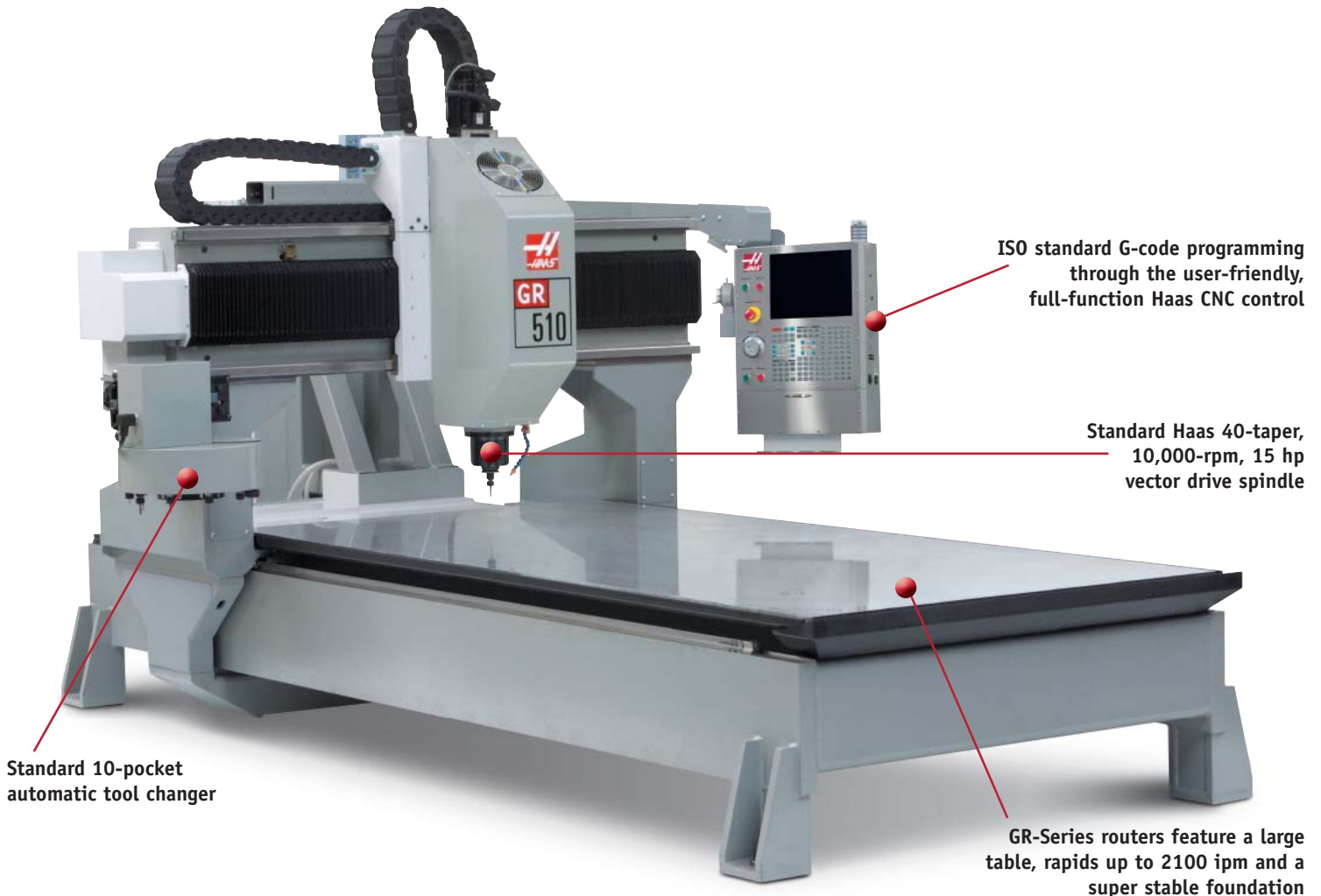


[Special Series]

Haas GR Series



The Gantry Router Systems



ISO standard G-code programming through the user-friendly, full-function Haas CNC control

Standard Haas 40-taper, 10,000-rpm, 15 hp vector drive spindle

Standard 10-pocket automatic tool changer

GR-Series routers feature a large table, rapids up to 2100 ipm and a super stable foundation

Warranty: 1 Year Parts and Labor

[Standard Features]

- 15 hp Vector Drive
- 10,000-rpm Spindle
- Standard 40-Taper Tooling
- Rapids up to 2100 ipm
- 10-Pocket Automatic Tool Changer
- 15" Color LCD Monitor w/USB Port
- Brushless Servos on All Axes
- User-Friendly Haas Control
- ISO Standard G-Code Programming
- Made in the USA

[Options] partial list

- 15,000-rpm Spindle
- High-Torque 5000-rpm Spindle
- 6" Extended Z-Axis Clearance
- 24" Extended Z-Axis Travel
- High-Speed Machining w/Look-Ahead
- Rigid Tapping
- 20-Pocket Automatic Tool Changer
- Vacuum Table w/Grid Pattern
- Steel Table, Drilled & Tapped
- Haas Intuitive Programming System
- Coolant System w/95-gal tank
- Remote Jog Handle
- User-Definable Macros
- Ethernet Interface



Haas Automation, Inc. | www.HaasCNC.com |

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



Haas GR Series

The Gantry Router Systems

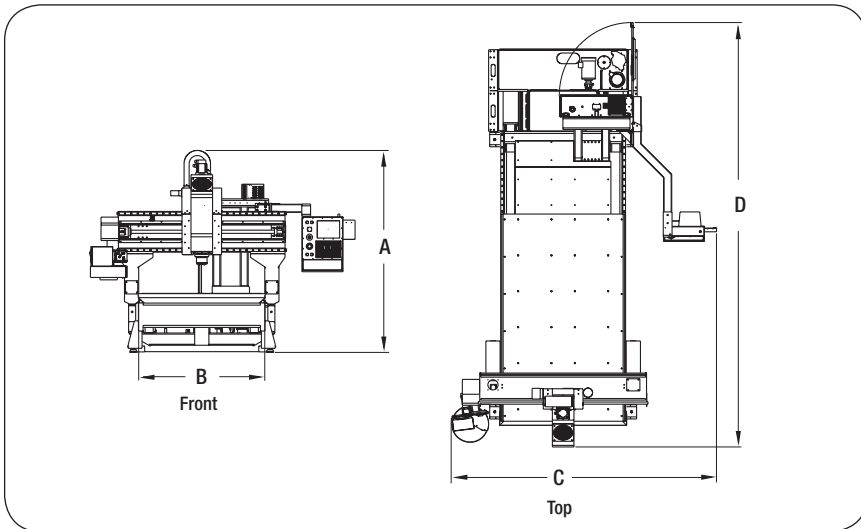
The Haas GR Series gantry-style routers have a powerful 40-taper milling head, and they're available in two sizes. Each GR has a 10,000-rpm, 15 hp vector drive spindle that provides the power to cut aluminum and other metals, and the speed to cut various plastics and other light materials. The rigid steel construction of the GR Series machines provides a very stable cutting platform.



A powerful 40-taper milling head, 10-pocket tool changer and large travels make quick work of long extrusions and large sheets of material.



The standard 10,000-rpm spindle is perfect for routing aluminum, plastic and other light materials. An optional 15,000-rpm or high-torque 5000-rpm spindle are also available.



Operating Dimensions	GR-510	GR-712
A. Max Operating Height*	99" 2515 mm	99" 2515 mm
B. Max Between Columns	62" 1575 mm	86" 2184 mm
C. Max Operating Width	137" 3480 mm	164" 4166 mm
D. Max Operating Length†	229" 5817 mm	253" 6426 mm

* With EC6 option, add 6" (152 mm); with E224 option, add 26" (660 mm). † Includes additional 36" (914 mm) to open rear service panel.

[Specifications]

Travels	GR-510	GR-712
X	121" 3073 mm	145" 3683 mm
Y	61" 1549 mm	85" 2159 mm
Z	11" 279 mm	11" 279 mm
Between Columns	62" 1575 mm	86" 2184 mm

Table	GR-510	GR-712
Length	122" 3099 mm	144" 3658 mm
Width	53" 1346 mm	72" 1829 mm

Spindle	GR-510	GR-712
Taper Size		#40
Speed		10,000 rpm
Drive System		Direct Speed, Belt Drive
Max Rating		15 hp 11.2 kW
Max Torque		17 ft-lb @ 4600 rpm 23 Nm @ 4600 rpm

Brushless Axis Motors	GR-510	GR-712
Max Thrust Rating		2520 lb
X Axis		11 210 N
Y Axis		1020 lb
Z Axis		4 537 N
		2050 lb
		9 119 N

Feedrates	GR-510	GR-712
X Axis Rapids	800 ipm	20.3 m/min
Y Axis Rapids	2100 ipm	53.3 m/min
Z Axis Rapids	1100 ipm	27.9 m/min
Max Cutting	800 ipm	20.3 m/min

Tool Changer	GR-510	GR-712
Capacity		10 (20 optional)
Type		CT 40 (BT 40 optional)
Max Tool Diameter		3.5" 89 mm
Max Tool Weight		12 lb 5.4 kg

General	GR-510	GR-712
Air Required		4 scfm @ 100 psi 113 Lpm @ 6.9 bar
Power Required (min)		195 - 260 VAC 3-Phase
Machine Weight	15,000 lb 6 804 kg	19,500 lb 8 845 kg



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Machines shown with optional equipment.

[Special Series]

Haas SR-100

The Sheet Router



Optional 10-pocket tool changer

ISO standard G-code programming through the user-friendly, full-function Haas CNC control, or use the optional Intuitive Programming System

Standard 24,000-rpm ISO 30-taper spindle for cutting and drilling various plastics, sheet metals and other light materials

Open-frame design for loading large sheets of material

Warranty: 1 Year Parts and Labor

[Standard Features]

- Multi-Use 3-Axis Platform
- Open-Frame Design
- 24,000-rpm 30-Taper Spindle
- Full CNC Operation
- High-Speed Rapids
- 15" Color LCD Monitor w/USB Port
- 1" Thick MDF Table
- User-Friendly Haas Control
- Single- or Three-Phase Operation

[Options] partial list

- 10-Pocket Tool Changer
- Aluminum Table w/Tapped Hole Pattern
- High-Speed Machining w/Look-Ahead
- Hard Disk Drive w/Ethernet Interface
- Remote Jog Handle
- Automatic Air Gun
- Vacuum Table



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Haas SR-100

The Sheet Router

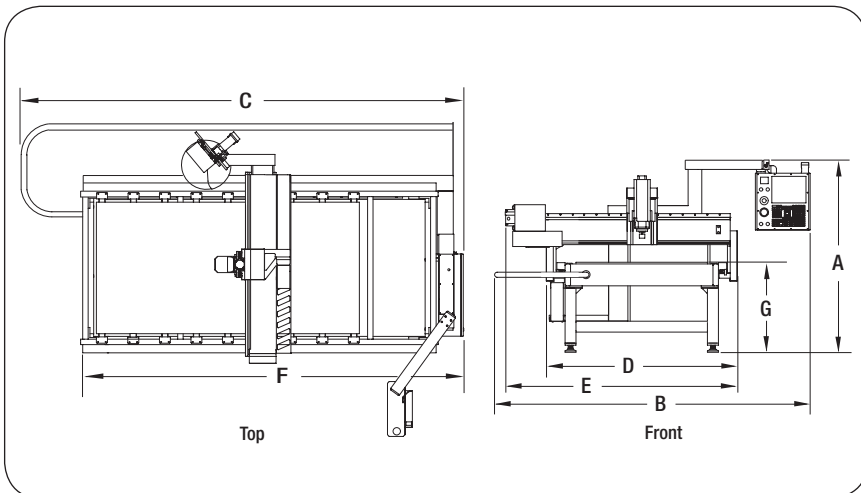
The Haas SR-100 is a gantry-style 3-axis platform with generous travels. It is configured with a 24,000-rpm 30-taper spindle for cutting and drilling various plastics, sheet metal and other light materials. The open-frame design of the SR-100 allows easy access to the table for loading full sheets of material.



The optional 10-pocket tool changer allows fully automated operation on jobs requiring multiple tools to reduce cycle times. The 24,000-rpm 30-taper spindle provides the speed necessary for cutting and drilling plastics, sheet metal and other light materials.



The open-frame design of the SR-100 allows customers to construct their own table and fixturing specifically for their needs (a 1" thick MDF table is standard). The SR-100 easily accommodates 4' x 8' sheets of material.



Operating Dimensions	SR-100	
A. Max Operating Height	71"	1 803 mm
B. Max Operating Width (w/guard)	118"	2 997 mm
C. Max Operating Length (w/guard)	159"	4 039 mm
D. Min Width w/o ATC (w/o guard)	69.6"	1 768 mm
E. Min Width w/ATC (w/o guard)	87"	2 210 mm
F. Min Length	140"	3 556 mm
G. Table Height	33"	838 mm

[Specifications]

Travels	SR-100
X	100" 2 540 mm
Y	52" 1 321 mm
Z	8" 203 mm
Between Columns	62.5" 1 588 mm
Bridge to Table Clearance	6.25" 158.8 mm
Spindle Nose to Table	3" – 11" 76 – 279 mm

Spindle

Taper Size	ISO 30
Speed	500 – 24,000 rpm
Drive System	Integral Motor
Max Rating	8.9 hp 6.6 kW
Max Torque	3.85 ft-lb 5.22 Nm

Table

Length	96.75" 2 457 mm
Width	49" 1 245 mm
Material	1" thick MDF 25 mm thick MDF

Feedrates

X Axis Rapids	2000 ipm 50.1 m/min
Y Axis Rapids	2000 ipm 50.1 m/min
Z Axis Rapids	590 ipm 15.0 m/min
Max Cutting (X,Y)	1000 ipm 25.4 m/min

General

Machine Weight	2800 lb 1 270 kg
Power Required (min)	230 VAC 3-Phase @ 20 A 240 VAC 1-Phase @ 20 A



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