



General MFG Junior Series CNC Routers CNC for Everyone!

Junior Series CNC routers
come in two sizes:

40-920 MI* - 20" x 20"

Bench Top Model

40-924 MI* - 24" x 36"

Floor Model



Built in Canada by General MFG and supported by our fast-growing dealer network throughout North America, the new General CNC Junior series CNC routers are ideal for those looking for a rugged, low maintenance, easy to use CNC solution.

- Easy start-up procedure and unrivalled technical support.
- Superior operating software.
- Easy to learn programming software.
- Unique electronics swap out service.
- Highly accurate pre-loaded linear bearing construction.
- Low backlash stepper motors for excellent performance and low maintenance.
- Smooth rack and pinion transmission.
- Positional accuracy up to 0.004 inches.
- Cutting speeds up to 200 inches per minute.
- 2 ¼ HP variable speed name brand router** included.
- Dust collection skirt included.
- Z axis touch sensing plate.
- Integrated on-board computer operating system with pre-loaded operating software included.

*Junior Series CNC routers require customer supplied monitor, keyboard and mouse.

**Router bits not included.



Easy-to-learn programming software with free trial downloads

Traditional CAD programs used in most CNC applications can require a significant investment in both time and money for programming training. General CNC machines come complete with an easy-to-learn software program that will have you producing an outstanding quality of work in short order. If you have even modest computer skills you can learn our software in just a few hours using helpful online tutorials and projects to practice your new found skills. Save time, save money and start getting a return on your CNC investment FAST!

Still not sure? Try before you buy!

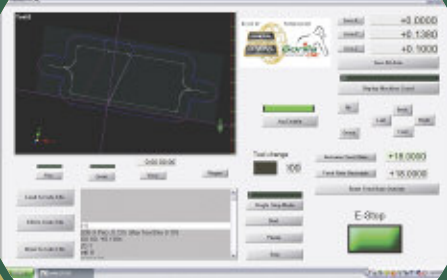
Check out the links to free trial software downloads on our dedicated CNC website at www.generalcnc.ca

While awaiting delivery of your new General Junior Series CNC Router we will send the programming software so you can start learning and designing right away. Many of our customers start producing work the very first day!



Superior operating software

The heart of any CNC router is the operating software. It needs to be reliable, bug-free and make smart decisions to plan cut paths that maximize efficiency to save you time and produce quality work quickly. General CNC Junior Series routers use an industry proven, private labeled, North American designed operating software, specifically created for CNC machines of this type. The Junior Series router comes complete with an integrated on-board computer with the operating software pre-loaded to help you get started quickly. Simply plug in your monitor, keyboard and mouse (customer supplied) and you are ready to run.



New Junior Series General CNC routers are perfect for those looking for a rugged, low maintenance machine that is easy to use and built to last. Available in 2 sizes, these machines are precise enough for critical graphic work, and robust enough for light to medium duty commercial applications.



Oversized stepper motors

The oversized stepper motors used to drive the X, Y and Z axis provide substantially more torque than most competitors similar class machines, for faster one-pass cuts that won't bog down. The latest innovations in stepper motor technology also allow for smooth radius cuts (with over 30,000 steps per motor revolution) rivaling the results previously only obtainable by the highest quality servo motors, for a fraction of the price.

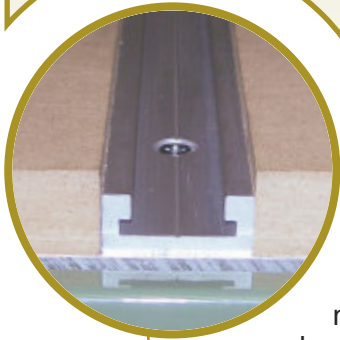


Unique swap out service on electronics*

A General CNC trademark feature from day-one!

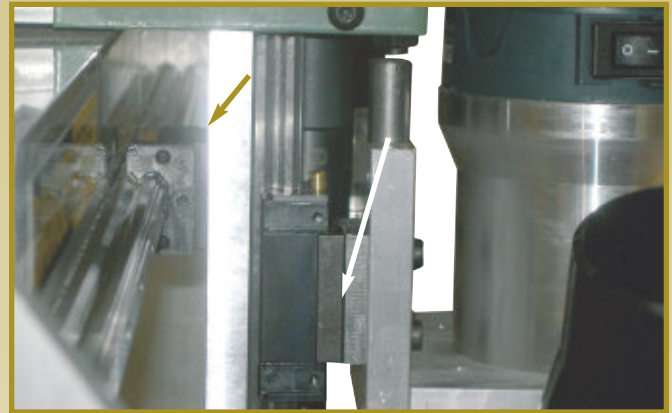
General CNC machines are designed to make your business more profitable. We understand that downtime eats away at productivity and will ultimately cost you time and money. This is why we offer one of the simplest electronics swap out services in the industry. In the event of an electronics problem that is determined by General technical support personnel to require service, a replacement set of pre-calibrated electronics can be sent by courier. By simply removing two connectors and a few screws, the entire electronics box can be replaced with the new one in a matter of minutes, to get you back up and running quickly!

**Some conditions apply. Please call or write us for complete details on our electronics swap out service.*



MDF/T-slot table included

Our unique 1" thick MDF table surface with T-slots offers great flexibility in terms of hold-down options. Depending on the type and size of work, a number of possible fixtures can be employed using the T-slots. MDF is an excellent choice because it machines very easily, unlike some expensive aluminum or phenolic surfaces, it is economical to replace. MDF can also be machined to provide a flat cutting surface for consistent depth when cutting or carving.



Pre-Loaded Linear Bearings

Standard eccentric type roller bearings are commonly used on many CNC routers. Though they work well and are fairly reliable, the main drawback with this type of technology is that due to the constant vibration caused by even the smoothest running router, these bearing systems will eventually develop some "play". This play can cause vibration that is transferred to the workpiece creating a chatter effect on the finished product. It can also damage the router bit or cutting tool. Periodically having to adjust eccentric bearings to eliminate play before it causes problems can be a little tricky and somewhat time consuming.

General CNC routers are equipped with Pre-Loaded Linear Bearings. Each bearing assembly contains an upper and lower row of bearings which are pre-packed in the housing and travel along hardened steel slide rail. In addition to providing very smooth travel on the rail, by design, linear bearing never require adjustment for play. By equipping our machines with Pre-Loaded Linear Bearings, General CNC eliminates this drawback that can cause downtime and create production delays, making you more productive.



Overhead dust port with dust containment skirt

The overhead dust hood with dust containment skirting is designed for use with any standard dust collection system to quickly and efficiently remove dust from the work surface. The flexible skirting will not impede the vertical travel of the router while helping contain the dust regardless of the height of the cutter.



Junior series CNC applications include:

Cabinet shops

For specialty solid core doors, decorative work on doors and cabinets.

Furniture builders

For 2D and 3D added value carvings in furniture, inlay work.

General woodworking

For 3D carving in moldings, fireplace mantles, etc...

Sign shops

For 2D and 3D carved signs, 3D logos, cutting all plastics and high density foam for shapes and letters.

One-person shops/Entrepreneurs

Easily and inexpensively create and manufacture unique one-of-a-kind products.

Education

General Junior Series routers are ideal for school applications. Programming software that is easy-to-learn for teachers and easy-to-teach to students and sized just right for projects, all in an affordable package. Add to this 60 years of manufacturing experience in woodworking machinery and the support of your local dealer and this makes General CNC the perfect choice for your school!

General CNC also offers a full enclosure with safety interlock doors to insure students safety when operating the CNC router!

X axis cutting capacity (#40-920)	20"
X axis cutting capacity (#40-924)	24"
Y axis cutting capacity (#40-920)	20"
Y axis cutting capacity (#40-924)	36"
Z axis cutting capacity	2.5"
Positional accuracy	0.004"
Overall dimensions (W x L x H)	
(#40-920)	33" x 33 1/2" x 23 1/2"
(#40-924)	45" x 55" x 52 1/2"
Router speed	8,000-25,000 RPM
Router	2.25 HP variable speed - included

Motor type	Low backlash stepper
Bearing type	Preloaded linear
Table surface	T-slot / MDF
Computer	Integrated on-board computer
.....	- included
Programming software	V-Carve Pro
Cutting speeds	Up to 200 Inches per minutes
Power requirement	110 V, 15 A
Collets	1/2" (QTY: 1) / 1/4" (QTY: 1)
Warranty	2 year limited



WWW.GENERALCNC.CA
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1-888-CNC-2005
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