

# Profile™ Router CNC 3-Axis Routing Machine

A cost-effective CNC routing/milling system, the Gerber Profile is an affordable option for easy, versatile, accurate and high-speed routing for wood and non-ferrous materials.



**Accurate, versatile and affordable.**

#### Versatility.

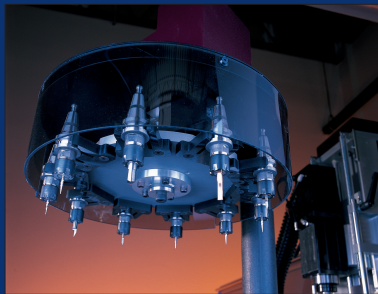
- o Accommodates a wide range of materials including plywoods, phenolic and plastic.
- o Multi-functional capabilities enables you to perform multiple functions on a single machine.

#### Pinpoint accuracy.

- o Laser-mapped lead screws enable pinpoint accuracy.
- o T-VAC hold-down system facilitates the material cutting process. Control knobs enable the operator to manage the suction areas and to shut off specific router sections to provide greater suction on the designated work area. When the material is securely held to the router, shops improve cut quality, extend cutter life, and increase feed rates.

#### Efficiency.

- o Automatic tool changer keeps jobs moving efficiently and the patented digital rotary machining process ensures repeatability and accuracy.
- o Powerful CAM software automatically processes jobs and can be integrated with virtually any design system for seamless performance.
- o Requires virtually no maintenance and features low operating costs.
- o Small footprint enables it to fit in any size shop.



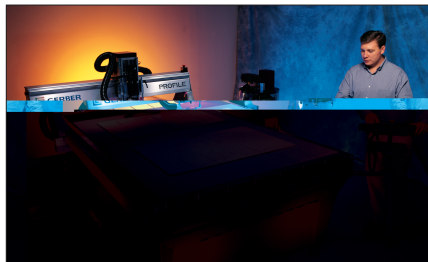
Automatic Tool Changer keeps jobs moving efficiently.



# Profile Router

## Available Options & Services

- Motors: 7 HP high frequency spindle, 3 1/4 HP Porter Cable, or engraver
- Mist coolant
- T-VAC
- Engraver
- Engraver vacuum
- Automatic tool changer w/10 HP spindle



## Technical Specifications

SPECIFICATION	PROFILE 404	PROFILE 408
Active Cutting Area	53.25" x 53.75" (1353 mm x 1365 mm)	53.25" x 101.75" (1353 mm x 2584 mm)
Overall Size	68" x 75" (1730 mm x 1900 mm)	68" x 123" (1730 mm x 3120 mm)
Overall Crated Size	75" x 81" (1905 mm x 2057.4 mm)	75" x 130" (1905 mm x 3302 mm)
Weight	1245 lb. (564.7 Kg)	1575 lb. (714.4 Kg)
Crated Weight	1760 lb. (798.3 Kg)	2530 lb (1147.6 Kg)
Maximum Material Thickness	4.4" (110 mm)	4.4" (110 mm)
Maximum Material Width	59" (1500 mm)	59" (1500 mm)
Z Axis Travel	7.5" (190 mm)	7.5" (190 mm)
Maximum X,Y Cutting Rate*	600 ipm (250 mm/sec)*	600 ipm (250 mm/sec)*
Maximum Z Cutting Rate*	600 ipm (250 mm/sec)*	600 ipm (250 mm/sec)*
Maximum Positioning Rate**	1400 ipm (593 mm/sec)	1300 ipm (590 mm/sec)
Resolution	0.000078" (0.0019 mm)	0.000078" (0.0019 mm)
Drive System	Anti-backlash lead screw	Anti-backlash lead screw
Controller/Motors	32-bit servo	32-bit servo
* Depending on material type, thickness and kerf width		
** At nominal power		

AC Power Requirements	Table Spindle Vacuum Pump	50/60 Hz, 230 V AC nominal, single phase 50/60 Hz, 230/460 V AC nominal, three phase 50/60 Hz, 230/460 V AC nominal, three phase
Power Consumption	Table Spindle Vacuum Pump	30 Amp Varies based on spindle 230 V AC - 23 Amp    460 V AC - 11.5 Amp
Operating Temperature	50-90 F (10-32 C)	
Operating Humidity	20-90 RH, Non-condensing	
Air Requirements	105 psi minimum at 10 cfm, clean dry air 7.4 Kg/cm2 at 283 l/min	

\*\*\* PATENTS PENDING \*\*\*

NOTE: Configurations vary according to options selected.  
Specifications are subject to change without notice.