

## High Frequency Spindle Option for ADVANTAGE Router™ 600

**Gerber FastFact #** 5006  
**Supplied by:** Gerber Service  
**Last Modified:** November 30, 2001  
**Summary:** This document describes the High Frequency Spindle Option for the ADVANTAGE Router 600.

The High Frequency Spindle Option is a powerful addition to the ADVANTAGE Router 600. The features and benefits of the option are listed below:

High Frequency Spindle Option for ADVANTAGE Router 600	
Features	Benefits
Constant Torque 7 Horsepower Motor	High power motor maintains constant RPM, while allowing the spindle to cut at greater feed rates and greater depth per pass.
Up to 24,000 RPM Variable-Speed Spindle With Digital RPM Display	"Dial in" the exact speed during operation to maximize performance and edge quality.
High Precision Collets	Better tool wear resistance and improved edge quality.
High Precision Spindle Bearings	Precision, rigidity, longer life.
Induction Type Motor	Eliminates brushes and other wearable components which require replacement. Provides quiet operation even with metals.
Rugged Design	Industry proven durability.

Item	Part Number
High Frequency Spindle Option (Domestic)	P53560A
High Frequency Spindle Option (Metric)	P53561A

**Please Note:** The Carriage and Vacuum Shroud/Pressure Foot Assembly must be replaced on ADVANTAGE Router 600 systems with serial numbers below 705,040. Please contact Gerber Service at 1-800-828-5406 or 860-643-1515 for additional information.

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## **SPECIFICATIONS**

The High Frequency Spindle Option for the ADVANTAGE Router 600 includes:

- Spindle Assembly
  - 7 Horsepower Variable-Speed Motor
  - Spindle Mount
- Motor Controller Assembly
  - Motor Controller
  - Motor Controller Cabinet with On/Off Switch and Operator Interface
  - Cables
- Collet Nut
- Spindle Wrenches
- Related Hardware
- Collets:

<b>Domestic Option Only</b>	<b>Metric Option Only</b>
.125" Diameter Collet	3mm Collet Adapter
.250" Diameter Collet	6mm Collet
.500" Diameter Collet	.500" Collet

## **ELECTRICAL REQUIREMENTS**

Customer must provide a 230v, 3 phase, 30 amp, 50/60 Hz line with a NEMA L15-30R receptacle.