

# Flex Shaft Motor Features and Specifications

	Series SR	Series TX	Series LX	PGX PowerGraver
<b>Performance</b>	Most popular motor has the power and speed needed for most jobs without stalling or slowing down while under normal load. Runs in both Forward and Reverse.	Extra power / torque for the most demanding work— hogging out large quantities of wood or porting engines. Offers excellent control of the cutting tool, drill, or bur under load.	Most powerful at low speeds (max speed is 5,000 RPM) even more than Series TX at the low end. Ideal for low speed jobs: stone setting, wax modeling, drilling and chisel carving.	PowerGraver is part of a unique system with shaft, speed controls and handpiece designed for power stone setting, engraving and texturing.
<b>Horsepower*</b>	1/6 HP*	1/3 HP*	1/10 HP*	1/20 HP*
<b>Maximum Speed</b>	18,000 RPM	15,000 RPM	5,000 RPM	2,800 RPM
<b>Rotation</b>	Forward & Reverse	Forward	Forward	Forward
<b>Ball Bearing Motor Type</b>	Universal	Permanent Magnet	Permanent Magnet	Permanent Magnet
<b>Compatible Speed Controls</b>	<b>115V:</b> C.FCT-1, C.SCT-1, C.EM-1, C.EMF-1 <b>230V:</b> C.FCH-2, C.SCH-2, C.EMH-2, C.EMHF-2, C.FCT-21CE, C.FCT-22CE page 5	<b>115V ONLY</b> C.TXR-1, C.SXR-1, C.EMX-1, C.EMXF-1 page 7	<b>115V:</b> C.TXR-1, C.SXR-1, C.EMX-1 <b>230V:</b> C.TXR-2, C.SXR-2, C.EMX-2 page 7	<b>115V:</b> C.EMGX-1 <b>230V:</b> C.EMGX-2 page 19
<b>Voltage‡</b>	115V & 230V Single Phase See ‡ at right	115V ONLY Single Phase	115V & 230V Single Phase See ‡ at right	115V & 230V Single Phase See ‡ at right
<b>Amp/Watt</b>	<b>115V:</b> 1.7 Amp ac <b>230V:</b> .9 Amp ac 125 Watt	<b>115V:</b> 3.5 Amp ac 250 Watt	<b>115V:</b> 1.2 Amp ac <b>230V:</b> .6 Amp ac 75 Watt	<b>115V:</b> 1.2 Amp ac <b>230V:</b> .6 Amp ac 40 Watt
<b>Noise Level</b>	68 Decibels	68 Decibels	68 Decibels	68 Decibels

## All Foredom Motor & Speed Control Combinations come with a 2-Year Limited Warranty

\* **Horsepower**— Foredom motors are rated at continuous duty or maximum efficiency under load and NOT maximum output. If we adopted the maximum output rating used by other manufacturers, Series SR motors would qualify as 1/5 HP or 1/4 HP, Series TX would be considered 1/2 HP, and all of our other motors would have higher horsepower ratings.

‡ **Voltage:** 110-120V vs. 220-240V— The performance of 115V & 230V machines in this catalog are identical. 230V machines are solely intended for use in areas where 110V – 120V power is not available.

## Flexible Shafts for the Motors listed above Replacement shafts and sheaths available

### Key Tip – standard



**85% of Foredom Flexible Shaft Machines use a 39" long Key Tip Shaft.** Foredom offers 17 handpieces to fit these shafts. Key Tip shafts are made to handle most types of work from jewelry fabrication and woodcarving to industrial use. A Foredom motor is built to industrial standards and when compared to a hand-held grinder or other Dremel®-type rotary tools, it consistently offers more power and performance.

### Square Drive – heavier



Foredom motors equipped with square drive shafts and thicker protective sheaths have a letter 'H' added to the model name (SRH or TXH, etc.). **The motor is identical.** Square drive shafting is thicker, less flexible, usually 63" long and can connect to 4 Square Drive handpieces. Few applications require square drive shafting with a torsional breaking point of 50 in.-lb. (compared with 24 in.-lb. for key tip shafting). For unusually large or difficult jobs, square drive shafting may be a good choice.

### Slip Joint – European



**Slip Joint Shafts are mostly used in Europe.** Foredom motors equipped with Slip Joint Shafts and sheaths have a letter 'J' added to the model name (SRJ or LXJ, etc.). **The motor is identical.** Since Foredom motors are used worldwide we offer shafting with this European-style connection method and a choice of 7 handpieces that connect with the slip joint.

### PowerGraver Sheath – unique



**The PowerGraver is in a class of its own!** It uses a standard 39" Key Tip Inner Shaft (p/n S-93) but requires a unique Neoprene Outer Sheath (p/n S-76N) for Connecting to a H.9D PowerGraver Handpiece. As listed above, it has 1/20 horsepower and runs at a maximum speed of 2,800 RPM.

