

What Makes Up A Foredom Flex Shaft Tool?

1- Motor Type and Speed Control + 2-Flex Shaft + 3-Handpiece

Foredom has Kits, Sets and Combinations to take the guesswork out of finding what works for you.
Motor Combinations Include : Motor + Shafting + Speed Control. (Accessories and Handpiece sold separately).
Sets Include: Motor + Speed Control + Shafting + Handpieces (Accessories sold separately).
Kits Include: Motor + Shafting + Speed Control + Handpiece + Accessories.



Series SR



Series TX



Series LX

P



PGX PowerGraver

1 Flex Shaft Motor

Performance	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.
Horsepower*/Watt	1/6 HP*/125W	1/3 HP*/250W	1/10 HP*/75W	1/20 HP*/37W
Max Speed	18,000 RPM	15,000 RPM	5,000 RPM	2,800 RPM
Rotation	Forward & Reverse	Forward	Forward	Forward
Motor Type	Universal	Permanent Magnet	Permanent Magnet	Permanent Magnet
COMPATIBLE SPEED CONTROLS SKU NUMBERS	115V: C.FCT-1, C.SCT-1, C.EM-1, C.EMF-1 230V: C.FCH-2, C.SCH-2, C.EMH-2, C.EMHF-2, C.FCT-21CE, C.FCT-22CE	115V ONLY - C.TXR-1, C.SXR-1, C.EMX-1, C.EMXF-1	115V: C.TXR-1, C.SXR-1, C.EMX-1 230V: C.TXR-2, C.SXR-2, C.EMX-2	115V: C.EMGX-1 230V: C.EMGX-2
Voltage‡	115V & 230V Single Phase (See ‡ note)	115V ONLY Single Phase	115V & 230V Single Phase (See ‡ note)	115V & 230V Single Phase (See ‡ note)
Amp	115VAC: 1.7 Amps 230VAC: .9 Amps	115VAC: 3.5 Amps	115VAC: 1.2 Amps 230VAC: .6 Amps	115VAC: 1.2 Amps 230VAC: .6 Amps
Noise Level	68 Decibels	68 Decibels	68 Decibels	68 Decibels

* **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 Note:** 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.

2 Flexible Shafts for the Motors listed above

Key Tip – standard



85% of Foredom Flexible Shaft Machines use a 39" long Key Tip Shaft. Foredom offers 19 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.



For use on SR, TX, and LX motors.
Must use compatible Handpiece

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 5 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.



For use on SR, TX, and LX motors.
Must use compatible Handpiece

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.



For use on SR, TX, and LX motors.
Must use compatible Handpiece

PowerGraver Sheath



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.



For use on the Power Graver motor.
Must use compatible Handpiece

3 Compatible Handpiece

Key Tip Shafting is compatible with the following Key Tip Handpieces:

General Purpose:
H.30, H.30-C2, H.44T, H.44T-E, H.43T, H.28, H.8

Quick Change:
H.18, H.20, H.10

Special Use:
H.25, H.50, H.15

Duplex Spring:
H.8D, H.10D, H.15D, H.18D, H.20D

Square Drive Shafting is compatible with the following Square Drive Handpieces:

H.28H, H.30H, H.43HT, H.44T, H.25H

Slip Joint Shafting is compatible with the following Slip Joint Handpieces:

H.30SJ, H.8SJ, H.28SJ, H.44TSJ, H.20SJ, H.18SJ, H.15SJ

PowerGraver Shafting is compatible with the following Handpieces:

This is the ONLY Shafting for the Power Graver Handpiece H.9D.

However all other KEY TIP Handpieces will work on the Power Graver Shafting