

Power UP: Flex Shafts

What is a flex shaft, you ask? Well, it's a motorized rotary tool that is highly maneuverable and incredibly time-saving. Using a foot pedal, you can control this tool by easily switching from minimum power to maximum power (up to 18,000rpm)—like a sewing machine. Here's a guide to all the benefits of operating a flex shaft. **Please Note:** Always wear safety glasses when using a flex shaft. Keep your hair tied back and avoid wearing loose clothing. Stay aware!



Top Ten Reasons to own a flex shaft

10. Polish metal and stones.
9. Make jump rings by the thousands using the Jump Ringer™ System.
8. Increase your ability to set any stone.
7. The handpiece can be used as a lathe to turn wax and metal—creating perfectly round shapes.
6. Use rotary burnishing tools to close porosity in castings and solder seams.
5. Choose from a large selection of hammer and quick-change handpieces.
4. Set stones, create unique textures and burnish out porosity with hammer handpieces.
3. Carve, drill and shape metal, wood, wax and stone.
2. Engrave your name on everything you own using steel ball or diamond burs.
1. Increase your productivity and creativity.



Polishing/Carving/Shaping/Grinding

You can polish a variety of materials using a flex shaft. Take a cast silver flower for example; using a grinding wheel on the mandrel, you can easily grind the fine silver. Then swap out the grinding wheel for an abrasive wheel to sand the piece down quickly and efficiently (and by using quick-change technology, you can quickly switch out the tools). 3M radial bristle discs with abrasives will create a bright, finished look, and mini fiber wheels can be used to create a matte finish.

Engraving

Using a diamond drill, you can etch directly onto glass (and because there is no motor in the handpiece, you can drill or cut as well). Engrave and carve metal, wood or wax with a metal-tool—personalize all your pieces and tools! You can carve right into steel or wood. For casting designs, you can carve wax to create your own master molds.

power up: flex shafts, continued

Drilling

Variable speeds make this an efficient, excellent drill for metal, glass or wood. **Please Note:** Always use a lubricant such as Bur-Life® when drilling. Take note that there are some size limitations when drilling, depending on the drill size you choose (most handpieces have a limit of 1/4" holes. For larger holes, select a bigger drill).

Filing Metal Clay

Save time by finishing clay pieces before you fire by using a high-speed-steel cylinder bur. Instead of using a hand file, do the rough work with the flex shaft (and if you're using metal clay, collect the dust and fragments to create your own slip!).

Hammering

A hammer handpiece is ideal for stone-setting and texturing. Bezel set without damaging the stone and create hammer textures on discs or sheet. Using the pavé tip, you can easily add a bright shine to your piece.

supplies:

Description	Order #	Description	Order #
Foredom® SR Motor		Screw Mandrel	333-105
with 30® Handpiece Flex Shaft System	117-534	Mini Fiber Wheels	338-123
Flex Shaft Swing-Away™ Motor Stand	117-291	Donegan Optimisor™	113-208
Bur-Life® Lubricant, Stick	117-003	Foredom® 15D Hammer Handpiece	117-020
Diamond Bur Variety Set	346-064	Diamalite Pavé Tip for Hammer Handpiece	117-327
Rio High-Speed-Steel Cylinder Bur	345-869	Foredom® 20D Quick-Change Handpiece	117-598
Slim Automatic Center Punch	118-111	Safety Glasses	201-054
3M Radial Bristle Disc Kit, 3/4" Diameter	332-597	Jump Ringer™ System	110-170
Heatless Wheels	332-191		



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