

# FOREDOM<sup>®</sup>

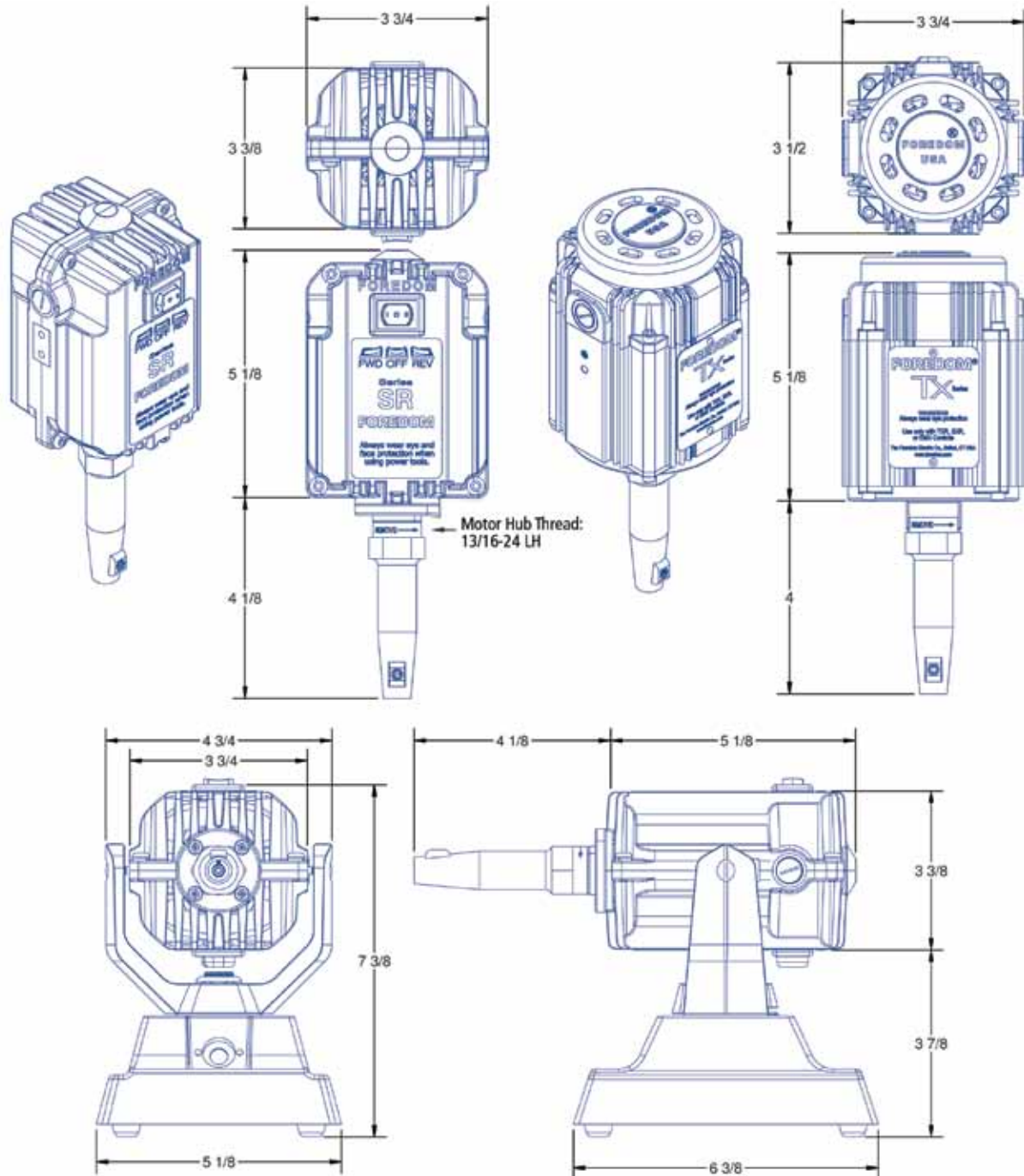
## Power Tool Catalog & Price List



Prices Effective  
January 1, 2014

[www.foedom.net](http://www.foedom.net)

# Foredom Flexible Shaft Machines— Engineered and Built to Industrial Standards



## Safety Instructions

Before using your Foredom power tool, please read all safety instructions. They are for your protection and should always be followed to reduce the risk of personal injury or damage to the tool.

- \* Always wear proper eye and face protection.
- \* Secure the workpiece or item that you are working on in a vise or other work holding device. Holding it with your hand can result in serious hand injury.
- \* Always use a proper dust collection system or wear a respirator to prevent the

inhalation of dust particles, polishing compounds, or other debris into the lungs.

- \* Do not wear loose fitting clothing or jewelry which can become entangled in the rotating accessory. Tie back or secure long hair.
- \* Secure power tool to motor hanger or work surface.
- \* Do not stall the motor by jamming or using excessive pressure on an accessory. This can result in damage to the motor or flexible shaft.
- \* Never operate the motor with the outer sheath removed from the flexible shaft.

\* Never modify the shielded plug on the TX or LXH motor cord in order to plug it into a Non-TX or Non-LX speed control or AC electrical wall outlet.

- \* Always disconnect the power cord before servicing the motor or removing the flexible shaft or sheath.
- \* Never operate your power tool during a perceptible power decrease. Turn power tool off and do not use until power is fully restored.
- \* Use proper grounding procedures. This tool should be grounded while in use to protect the operator from electric shock.

# Flexible Shaft Power Tools– Three Key Components

Since 1922, Freedom has been manufacturing and advancing its line of flexible shaft power tools. From the start, they have been built to industrial standards and over time the name has become synonymous with quality, reliability, and even the tool style itself. As a result, there are many counterfeit models in the marketplace that are hard to recognize and it is important to buy the genuine product from an authorized distributor. Freedom flex shafts hang from the benches of professional jewelers around the world, and are commonly used by machine shop operators, custom fabricators, dental lab technicians, and woodcarvers. It may surprise you to learn that they are also used by leading scientific, engineering, aviation, and other high-tech businesses and institutions. This catalog features various tools that make up the brand, however, the flexible shaft continues to be Freedom's chief product.

**A Complete Flexible Shaft Machine consists of: 1- Motor (with shaft and sheath), 2- Speed Control, and 3- Handpiece.**

Selecting the right combination for your specific application is not always easy since we make several styles of each key component and many are similar in appearance. If you are new to Freedom, we recommend that you start with a PrePackaged Tool Kit or New Tool Set. The photo below features important 'Flex Shaft Basics'. More detailed motor, speed control, and handpiece specifications are offered throughout this catalog and on our website.



Visit the Video Library and Document Download Center on [www.foredom.net](http://www.foredom.net)

**1. Motor** Freedom makes 'Universal' motors that have wire wound fields and 'Permanent Magnet' motors with rare earth magnets. Our most popular 'Series SR' motors are Universal and ideal for 80% of users. A 'Series' consists of 3 motors that share the same electrical specs but come in different styles– Hang-Up, Bench, and Bench with Built-in Speed Control. Series SR, Series TX, and Series LX motors have unique performance features. Motors come with Key Tip shafts and sheaths. When equipped with thicker, Square Drive shafting they are called 'Heavy Duty' even though the motors are the same. They have the letter 'H' added to their part numbers.

**2. Speed Control** Speed Controls vary motor speed from low to high with a foot or manual device. The ability to vary speed is a key advantage of a flex shaft machine over a hand-held grinder. Series SR motors run up to 18,000 RPM, Series TX up to 15,000 RPM, Series LX up to 5,000 RPM, and the PowerGraver up to 2,800 RPM. Foot controls come in both plastic and cast iron housings. Manual (dial) controls are table top models in plastic housings or come integrated in the bases of certain bench style motors. Series SR motors use our standard controls. Series TX, LX & PGX motors use special controls that convert AC current to DC, the kind required by these motors.

**3. Handpiece** Freedom is known for its extensive selection of interchangeable handpieces that have a quick disconnect feature on the back end for installing onto standard key tip style shafting. Many users are unaware that handpieces can be easily changed. General purpose models are the most popular and come with either a 3-jaw chuck that accommodates different shank size accessories or collets that are shank size specific. There are also several types of interchangeable handpieces for unique applications. It is common for users to own several models of interchangeable handpieces. Finally, there are handpieces for use with heavy duty square drive and European slip joint styles of shafting.

# Flexible Shaft Motor Features and Specifications— Which motor is right for you?

	<b>Series SR</b> SR Hang-Up, SRM Bench Mount with Built-in Control, SRB Bench Mount	<b>Series TX</b> TX Hang-Up, TXM Bench Mount with Built-in Control, TXB Bench Mount	<b>Series LX</b> LX Hang-Up, LXM Bench Mount with Built-in Control, LXB Bench Mount	<b>PGX Powergraver</b> Dedicated System PGX Hang-Up Motor Only
<b>Unique Performance Features</b>	Our most popular motor has all of the power and speed needed to accomplish most every job without stalling or slowing down while under normal load. Reverse offers many advantages, see pg 13.	Offers excellent control of the cutting tool, drill, or bur under load. The extra power/torque makes the TX great for more demanding work like hogging out large quantities of wood or porting engines.	Has the MOST power from start up to 5,000 RPM—max speed, even more than Series TX at the low end. Ideal for low speed jobs like stone setting, wax modeling, and drilling.	The PGX PowerGraver is a dedicated system with specialized components for power assisted stone setting, engraving, and texturing.
<b>Horsepower*</b>	1/6 HP— See note below*	1/3 HP— See note below*	1/10 HP— See note below*	1/20 HP—See note below*
<b>Motor Type</b>	Universal	Permanent Magnet	Permanent Magnet	Permanent Magnet
<b>Ball Bearing</b>	Yes	Yes	Yes	Yes
<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>Comes with Standard Key Tip Shaft &amp; Sheath</b>	Yes— Equipped on M.SR, M.SRM & M.SRB motors for connecting to all Inter-changeable Handpieces	Yes— Equipped on M.TX, M.TXM & M.TXB motors for connecting to all Inter-changeable Handpieces	Yes— Equipped on M.LX, M.LXM & M.LXB motors for connecting to all Inter-changeable Handpieces	Key Tip Shaft. Unique Sheath fits H.9D Handpiece and connects to all Inter-changeable Handpieces. Sheath is neoprene and not standard material
<b>Models Available with Square Drive, Heavy Duty Shaft and Sheath<sup>++</sup></b>	Equipped on M.SRH, M.SRMH & M.SRBH motors for connecting to 4 Square Drive Handpieces See note below <sup>++</sup>	Equipped on M.TXH, M.TXMH & M.TXBH motors for connecting to 4 Square Drive Handpieces See note below <sup>++</sup>	Equipped on M.LXH, M.LXMH & M.LXBH motors for connecting to 4 Square Drive Handpieces See note below <sup>++</sup>	Not Available
<b>Connects to Speed Controls</b>	115 Volt: C.FCT-1, C.SCT-1, C.EM-1 230 Volt: C.FCH-2, C.SCH-2, C.EMH-2, C.FCT-2CE	115 Volt Only: C.TXR-1, C.SXR-1, C.EMX-1	115 Volt: C.TXR-1, C.SXR-1, C.EMX-1 230 Volt: C.TXR-2, C.SXR-2, C.EMX-2	115 Volt: C.EMGX-1 230 Volt: C.EMGX-2
<b>Voltage‡</b>	115 Volt & 230 Volt <small>See note below‡</small>	115 Volt <small>See note below‡</small>	115 Volt & 230 Volt <small>See note below‡</small>	115 V & 230 Volt <small>See note below‡</small>
<b>Amps/Watts</b>	115 Volt: 1.7 Amps AC 230 Volt: .9 Amps AC 125 Watt	115 Volt: 3.5 Amps AC 250 Watt	115 Volt: 1.2 Amps AC 230 Volt: .6 Amps AC 75 Watt	115 Volt: 1.2 Amps AC 230 Volt: .6 Amps AC 40 Watt
<b>Noise Level</b>	68 Decibels	68 Decibels	68 Decibels	68 Decibels

## All Foredom Motor and Speed Control Combinations come with Two Year Limited Warranty

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

**++ Square Drive Motors**— Square drive shafting is thicker, less flexible and connects to only four, specialized square drive handpieces. When Foredom motors come equipped with square drive shafts and thicker protective sheaths they are considered 'heavy duty' and have the letter 'H' added to their model

name (Series **SRH**, Series **TXH**, etc.). Not many applications warrant square drive shafting that boasts a torsional breaking point of 50 in.-lb as compared with 24 in.-lb for our standard key tip shafting. Many users upgrading from hand-held grinders and other Dremel® type rotary tools make the mistake of selecting a square drive model. Fact is, Foredom motors are built to industrial standards and are already a major step up in power and performance from consumer-type tools.

**For users with unusually large or difficult jobs, square drive models can be the ultimate in flexible shaft tools. See our Prepacked Kits featuring square drive models on page 11. Also see pages 14, 16, 17 and 19 for Square Drive motor-speed control combinations.**

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

# Prepacked Jewelers Kits

Kits offer the easiest and most affordable way for jewelry users to get started with Foredom. They include popular combinations of all three key components— Motors, Variable Speed Controls, and Handpieces. They also come with Accessory Assortments (burs, bits, etc.) and Optional Motor Hangers. *Order by Part Number Shown in Red*

<b>K.2230</b>	<b>\$325</b>	<b>Jewelers SR Motor Kit with H.30 Handpiece</b> , 11.7 lb Complete Description Featured Below
Options:		
<b>K.2231</b>	<b>\$374</b>	Kit with Bench Clamp Motor Hanger, 14.6 lb
<b>K.2232</b>	<b>\$394</b>	Kit with Base Mount Motor Hanger, 15.0 lb
<b>K.2230-2</b>	<b>\$325</b>	230 Volt Kit, 11.7 lb, US Plug, See Page 15 for Plug Options
<b>K.2230-21CE</b>	<b>\$360</b>	CE 230 Volt Kit, 11.9 lb, UK Plug, See Page 15
<b>K.2230-22CE</b>	<b>\$360</b>	CE 230 Volt Kit, 11.9 lb, Continental European Plug, See Page 15
<b>K.2220</b>	<b>\$346</b>	<b>Jewelers SR Motor Kit with QuickChange Handpiece</b> , 11.0 lb Complete Description on Page 6
Options:		
<b>K.2221</b>	<b>\$395</b>	Kit with Bench Clamp Motor Hanger, 13.9 lb
<b>K.2222</b>	<b>\$415</b>	Kit with Base Mount Motor Hanger, 14.3 lb
<b>K.2220-2</b>	<b>\$346</b>	230 Volt Kit, 11.0 lb, US Plug, See Page 15 for Plug Options
<b>K.2220-21CE</b>	<b>\$381</b>	CE 230 Volt Kit, 11.2 lb, UK Plug, See Page 15
<b>K.2220-22CE</b>	<b>\$381</b>	CE 230 Volt Kit, 11.2 lb, Continental European Plug, See Page 15
<b>K.TX300</b>	<b>\$400</b>	<b>Jewelers TX Motor Kit with H.30 Handpiece</b> , 10.5 lb Complete Description on Page 6
Options:		
<b>K.TX301</b>	<b>\$449</b>	Kit with Bench Clamp Motor Hanger, 13.4 lb
<b>K.TX302</b>	<b>\$469</b>	Kit with Base Mount Motor Hanger, 13.8 lb
<b>K.2293</b>	<b>\$545</b>	<b>Jewelers PowerGraver Kit with Engraving Handpiece</b> , 11.25 lb Complete Description on Page 6
Options:		
<b>K.2293-2</b>	<b>\$545</b>	230 Volt Kit, 11.25 lb, US Plug, See Page 15 for Plug Options
<b>K.2240</b>	<b>\$434</b>	<b>Jewelers LX Motor Kit with QuickChange Handpiece</b> , 10.3 lb Complete Description on Page 7
Options:		
<b>K.2241</b>	<b>\$483</b>	Kit with Bench Clamp Motor Hanger, 13.2 lb
<b>K.2242</b>	<b>\$503</b>	Kit with Base Mount Motor Hanger, 13.6 lb
<b>K.2240-2</b>	<b>\$434</b>	230 Volt Kit, 10.3 lb, US Plug, See Page 15 for Plug Options
<b>K.2250</b>	<b>\$414</b>	<b>Jewelers LX Motor Kit with Hammer Handpiece</b> , 10.3 lb Complete Description on Page 7
Options:		
<b>K.2255</b>	<b>\$463</b>	Kit with Bench Clamp Motor Hanger, 13.2 lb
<b>K.2256</b>	<b>\$483</b>	Kit with Base Mount Motor Hanger, 13.6 lb
<b>K.2250-2</b>	<b>\$414</b>	230 Volt Kit, 10.3 lb, US Plug, See Page 15 for Plug Options
<b>K.2245</b>	<b>\$564</b>	<b>Jewelers LX Motor Kit with QuickChange &amp; Hammer Handpieces</b> , 10.7 lb Complete Description on Page 7
Options:		
<b>K.2246</b>	<b>\$613</b>	Kit with Bench Clamp Motor Hanger, 13.6 lb
<b>K.2247</b>	<b>\$633</b>	Kit with Base Mount Motor Hanger, 14.0 lb
<b>K.2245-2</b>	<b>\$564</b>	230 Volt Kit, 10.7 lb, US Plug, See Page 15 for Plug Options

## **K.2230 Jewelers Kit with H.30® Handpiece \$325**

- \* M.SR 1/6 HP reversing, hang-up motor with 39" long standard key tip shafting for use with all interchangeable handpieces
- \* C.FCT Foot operated variable speed control in plastic housing
- \* H.30® Handpiece with geared 3-jaw #0 chuck that accepts burs with shanks up to 5/32" and HPCK-0 chuck key in plastic handle
- \* AK11— 43pc Accessory Kit with Rotating Bur Holder: Includes various shapes, sizes & grits of CW polishing wheels, satin finishers, brushes, Scotch-Brite™ Radial Bristle Discs, high speed steel fluted engraving burs, cut-off disc, polishing compound, sanding bands, rubber bonded abrasive wheels, and mandrels
- \* Flex shaft grease **Total Value: \$381**

**K.2231 Jewelers Kit with MAMH-1 Bench Clamp Motor Hanger in Box: \$374**

**K.2232 Jewelers Kit with MAMH-2 Base Mount Motor Hanger in Box: \$394**

**230 Volt Kits— See Page 15 for Plug Options:**

**K.2230-2, K.2230-21, K.2230-22, K.2230-26 \$325**

**K.2230-21CE \$360** with C.FCT-2CE foot control

**K.2230-22CE \$360** with C.FCT-2CE foot control

## Here's How We See It—

**K.2231** This kit is perfect for first time jewelers and metalsmiths and will become the cornerstone of any work bench. It has the H.30® chuck style handpiece— the one every jeweler should own since it accepts the widest variety of bur shank sizes and works with other tools such as the Drill Press, Jump Ring Maker, AllSet®, Belt Sander and NEW Foredom Filer. K.2231 has our 1/6 HP reversing motor that offers plenty of power for nearly every task. A double motor hanger comes packed in the box for safe and secure operation. The 43-pc accessory assortment with metal working burs, abrasive points and more makes this kit a great value.

**K.2220** If you just have to own a Quick Change handpiece for making frequent changes of 3/32" shank burs, then this kit is for you. The K.2221 is an even better choice if you need a motor hanger. When you are ready for a second handpiece, we recommend that you make it the H.30®.

**K.TX300** This kit features our 1/3 HP permanent magnet Series TX motor that delivers more power than the Series SR without sacrificing much speed. If you mainly do stone setting, an LX Kit is an even better choice.

**K.2293** If you want to do true engraving without committing to the large investment of an air powered system, then this is the kit for you.

**K.2240, K.2250, K.2245** The LX motor in these kits has the most power of any other motor in our line for its speed range of up to 5,000 RPM. It is designed for low speed— high torque work like stone setting, drilling, and milling. The low speed gives you excellent control and won't bog down under load. Just pick the kit with the handpiece you prefer and if a motor hanger is needed, select that option.



# Prepacked Jewelers Kits

## K.2220 Jewelers Kit with H.20 Handpiece \$346

Same as Kit K.2230 except includes H.20 Quick Change Handpiece in place of H.30®. Quick Change Handpieces use 3/32" shank burs only  
Total Value: \$492

## K.2221 Jewelers Kit with MAMH-1 Bench Clamp Motor Hanger in Box: \$395

## K.2222 Jewelers Kit with MAMH-2 Base Mount Motor Hanger in Box: \$415

### 230 Volt Kits– See Page 15 for Plug Options:

K.2220-2, K.2220-21, K.2220-22, K.2220-26 \$346

K.2220-21CE \$381 with C.FCT-2CE foot control

K.2220-22CE \$381 with C.FCT-2CE foot control

## K.2220



H.20 Quick Change Handpiece

## K.TX300



H.30® Handpiece with chuck key

## K.TX300 Jewelers Kit \$400

- \* M.TX 1/3 HP permanent magnet hang-up motor with 39" long standard key tip shafting for use with all interchangeable handpieces
- \* C.TXR Foot operated variable speed control in plastic housing
- \* H.30® Handpiece with geared 3-jaw #0 chuck that accepts burs with shanks up to 5/32" and HPCCK-0 chuck key in plastic handle
- \* AK11– 43pc Accessory Kit with Rotating Bur Holder: Includes various shapes, sizes & grits of rubber bonded abrasive wheels, CW polishing wheels, satin finishers, brushes, Scotch-Brite™ Radial Bristle Discs, high speed steel fluted engraving burs, cut-off disc, polishing compound, sanding bands, and mandrels
- \* Flex Shaft Grease Total Value: \$451

## K.TX301 Jewelers Kit with MAMH-1 Bench Clamp Motor Hanger in Box: \$449

## K.TX302 Jewelers Kit with MAMH-2 Base Mount Motor Hanger in Box: \$469

## K.2293 PowerGraver Kit \$545

The PowerGraver is a dedicated system with specialized components that offers a power assist to stone setting, engraving and texturing.

- \* M.PGX High Torque/Low Speed permanent magnet hang-up motor with 39" long S-93 Inner Shaft, S-76N Neoprene Outer Sheath & MP319P Motor Brushes. Standard key tip shafting for use with all interchangeable handpieces. Outer Sheath is more flexible neoprene material
- \* C.EMGX Dial Speed Control adjusts speed up to 2,800 RPM
- \* H.9D Handpiece with 1/16", 3/32", 1/8", and 3mm collets. Has a special quick disconnect that fits ONLY the M.PGX motor sheath. Adjusting ring changes the impact force. Palm rest provides the comfort and "feel" of a hand engraving tool
- \* Accessories: carbide stylus, anvil point, set of 4 gravers
- \* C.FCGX On/Off Foot Switch
- \* A-DVD125 32-minute long instructional video.

### 230 Volt Kits– See Page 15 for Plug Options:

K.2293-2, K.2293-21, K.2293-22, K.2293-26 \$545

A-DVD125  
No charge  
Also available separately



On/Off Foot Switch

## K.2293

H.9D Engraving Handpiece

HP10215 \$38  
Carbide Stylus

HP10177P \$6  
Anvil Point

Dial Speed Control

Prices shown are for components if purchased separately.

## H.9D Handpiece \$190

M.PGX Motor \$240

M.PGX-2 Motor (230 Volt) \$240

C.FCGX-1 On/Off Switch \$25 See Pg 15

C.FCGX-2 On/Off Switch (230 Volt) \$25

C.EMGX-1 Dial Speed Control \$85

C.EMGX-2 Dial Speed Control (230 Volt) \$85



**K.2250**

H.15 Hammer Handpiece with anvil point

**K.2250 Hammer Stone Setting Kit \$414**

- \* M.LX High torque/low speed permanent magnet hang-up motor with 39" long standard key tip shafting for use with all interchangeable handpieces
- \* C.TXR Foot operated variable speed control in plastic housing
- \* H.15 Hammer handpiece with anvil point
- \* Carbide Stylus and Pavé Point
- \* Flex shaft grease Total Value: \$503

**K.2255 Hammer Stone Setting Kit with MAMH-1 Bench Clamp Motor Hanger in Box: \$463**

**K.2256 Hammer Stone Setting Kit with MAMH-2 Base Mount Motor Hanger in Box: \$483**

**230 Volt Kits– See Page 15 for Plug Options: K.2250-2, K.2250-21, K.2250-22, K.2250-26 \$414**

**K.2245 Deluxe Stone Setting Kit with 2 Handpieces \$564**

- \* M.LX High torque/low speed permanent magnet hang-up motor with 39" long standard key tip shafting for use with all interchangeable handpieces
- \* C.TXR Foot operated variable speed control in plastic housing
- \* H.18 Quick change handpiece for use with 3/32" shank accessories
- \* H.15 Hammer handpiece with anvil point
- \* Carbide Stylus and Pavé Point
- \* AK90– 13pc Accessory Kit with Small Round Bur Holder: Includes assorted high speed vanadium steel fluted engraving burs and step drills with 3/32" shanks
- \* Flex shaft grease Total Value: \$677

**K.2246 Deluxe Stone Setting Kit with MAMH-1 Bench Clamp Motor Hanger in Box: \$613**

**K.2247 Deluxe Stone Setting Kit with MAMH-2 Base Mount Motor Hanger in Box: \$633**

**230 Volt Kits– See Page 15 for Plug Options: K.2245-2, K.2245-21, K.2245-22, K.2245-26 \$564**

**K.2245**

H.18 Quick Change Handpiece



H.15 Hammer Handpiece with anvil point

**K.2240**



H.18 Quick Change Handpiece

**K.2240 Quick Change Stone Setting Kit \$434**

- \* M.LX High torque/low speed permanent magnet hang-up motor with 39" long standard key tip shafting for use with all interchangeable handpieces
- \* C.TXR Foot operated variable speed control in plastic housing
- \* H.18 Quick change handpiece for use with 3/32" shank accessories
- \* AK90– 13pc Accessory Kit with Small Round Bur Holder: Includes assorted high speed vanadium steel fluted engraving burs and step drills with 3/32" shanks
- \* Flex shaft grease Total Value: \$462

**K.2241 Quick Change Stone Setting Kit with MAMH-1 Bench Clamp Motor Hanger in Box: \$483**

**K.2242 Quick Change Stone Setting Kit with MAMH-2 Base Mount Motor Hanger in Box: \$503**

**230 Volt Kits– See Page 15 for Plug Options: K.2240-2, K.2240-21, K.2240-22, K.2240-26 \$434**

# Prepacked Woodcarving Kits

<b>K.5240</b>	<b>\$355</b>	<b>Woodcarving SR Motor Kit with H.44T Handpiece, 12.1 lb</b> Complete Description Featured Below
Options:		
<b>K.5241</b>	<b>\$404</b>	Kit with Bench Clamp Motor Hanger, 15.0 lb
<b>K.5242</b>	<b>\$424</b>	Kit with Base Mount Motor Hanger, 15.4 lb
<b>K5240-2</b>	<b>\$355</b>	230 Volt Kit, 12.1 lb, US Plug, See Page 15 for Plug Options
<b>K.5240-21CE</b>	<b>\$390</b>	CE 230 Volt Kit, 12.3 lb, UK Plug, See Page 15
<b>K.5240-22CE</b>	<b>\$390</b>	CE 230 Volt Kit, 12.3 lb, Continental European Plug, See Page 15
<b>K.5200</b>	<b>\$445</b>	<b>Woodcarving SR Motor Kit with Heavy Duty Speed Control, H.28 &amp; H.44T Handpieces, 17.0 lb</b> Complete Description on Page 9
Options:		
<b>K.5201</b>	<b>\$494</b>	Kit with Bench Clamp Motor Hanger, 19.9 lb
<b>K.5202</b>	<b>\$514</b>	Kit with Base Mount Motor Hanger, 20.3 lb
<b>K.5200-2</b>	<b>\$445</b>	230 Volt Kit, 17.0 lb, US Plug, See Page 15 for Plug Options
<b>K.5400</b>	<b>\$430</b>	<b>Woodcarving TX Motor Kit with Heavy Duty Speed Control &amp; H.44T Handpiece, 15.2 lb</b> Complete Description on Page 9
Options:		
<b>K.5401</b>	<b>\$479</b>	Kit with Bench Clamp Motor Hanger, 18.1 lb
<b>K.5402</b>	<b>\$499</b>	Kit with Base Mount Motor Hanger, 18.5 lb
<b>K.5300</b>	<b>\$388</b>	<b>Woodcarving SRM Bench Motor Kit with Built-In Control &amp; H.44T Handpiece, 15.0 lb</b> Complete Description on Page 9
Options:		
<b>K.5300-2</b>	<b>\$388</b>	230 Volt Kit, 15.0 lb, US Plug, See Page 15 for Plug Options
<b>K.2252</b>	<b>\$418</b>	<b>Woodcarving LX Motor Kit with Dial Control &amp; Chisel Handpiece, 10.8 lb</b> Complete Description on Page 10
Options:		
<b>K.2252-2</b>	<b>\$418</b>	230 Volt Kit, 10.8 lb, US Plug, See Page 15 for Plug Options
<b>K.5230</b>	<b>\$415</b>	<b>Wood/Gourd Carving SRM Bench Motor Kit with Built-in Control &amp; H.30 Handpiece, 15.2 lb</b> Complete Description on Page 10
Options:		
<b>K.5230-2</b>	<b>\$415</b>	230 Volt Kit, 15.2 lb, US Plug, See Page 15 for Plug Options

## K.5240 Woodcarving Kit \$355

- \* M.SR 1/6 HP reversing, hang-up motor with 39" long standard key tip shafting for use with all interchangeable handpieces
- \* C.FCT Foot operated variable speed control in plastic housing
- \* H.44T Handpiece with 3/32", 1/8" and 1/4" collets
- \* AKWK53-27pc Accessory Kit includes Rotating Bur Holder and various shapes, sizes, grits of abrasive stones, diamond points, Scotch-Brite™ Radial Bristle Discs, Typhoon® carbide burs, steel cutter, sanding bands, and mandrels
- \* Flex shaft grease
- \* A-DVD131 Fur, Feathers & Fins DVD **Total Value: \$464**

**K.5241 Woodcarving Kit with MAMH-1 Bench Clamp Motor Hanger in Box: \$404**

**K.5242 Woodcarving Kit with MAMH-2 Base Mount Motor Hanger in Box: \$424**

**230 Volt Kits- See Page 15 for Plug Options:**

- K.5240-2, K.5240-21, K.5240-22, K.5240-26 \$355**
- K.5240-21CE \$390 with C.FCT-2CE foot control**
- K.5240-22CE \$390 with C.FCT-2CE foot control**



## Here's How We See It-

**K.5241** The best value- it has everything you need to get started with power woodcarving. Our H.44T collet handpiece accepts all popular carving burs with 1/4", 1/8" & 3/32" shanks. The 1/6HP reversing SR motor has more than enough power for nearly all carving projects. The variable speed foot pedal frees your hands for complete control of your work piece. A motor hanger, accessory assortment, and 3-Disc DVD get you carving straight out of the box.

**K.5200** This kit upgrades our standard speed control to the cast iron model that offers greater stability on the floor. It also includes the H.28, a second collet handpiece with a slim profile for pencil style handling.

**K.5400** This kit is for those of you that want enough power to shape and carve larger pieces. The TX motor will not quit and it comes with our cast iron variable speed foot pedal control for hands-free use and an assortment of burs. The H.44T handpiece accepts all popular carving burs with 1/4", 1/8" & 3/32" shanks. If you need a motor hanger get the K.5401 and start carving.

**K.5300 & K.5230** These kits are 'niche' and preferred by certain carvers. They have bench mounted motors in place of hang-up models and dial controls rather than foot pedals.

**K.2252** The high torque/low speed LX motor paired with our table top dial control offers exactly what you need for power chisel carving. The H.50 chisel handpiece is comfortable to use, works great and comes here with 17 chisels.

Woodcarving Kits come with Fur, Feathers & Fins, a 'How-To Power Carve' DVD with master carver and teacher, Frank Russell. This 3-disc, 3-hour, 3-project set offers detailed instruction for novice and more experienced carvers. Includes a rabbit pattern and sandpaper template.

Part Number and Price Apply when Purchased Separately: **A-DVD131 \$31**



**K.5200 Deluxe Woodcarving Kit with 2 Handpieces \$445**

- \* M.SR 1/6 HP reversing, hang-up motor with 39" long standard key tip shafting for use with all interchangeable handpieces
- \* C.SCT Foot operated variable speed control in cast iron housing
- \* H.44T Handpiece with 3/32", 1/8" and 1/4" collets
- \* H.28 slender handpiece with 3/32" and 1/8" collets
- \* AKWK53– 27pc Accessory Kit includes Rotating Bur Holder and various shapes, sizes, grits of abrasive stones, diamond points, Scotch-Brite™ Radial Bristle Discs, Typhoon® carbide burs, steel cutter, sanding bands, and mandrels
- \* Flex shaft grease \* Safety glasses
- \* A-DVD131 Fur, Feathers & Fins DVD **Total Value: \$575**

**K.5201 Deluxe Woodcarving Kit with MAMH-1 Bench Clamp Motor Hanger in Box: \$494**

**K.5202 Deluxe Woodcarving Kit with MAMH-2 Base Mount Motor Hanger in Box: \$514**

**230 Volt Kits– See Page 15 for Plug Options: K.5200-2, K.5200-21, K.5200-22, K.5200-26 \$445**



**K.5400**



**K.5400 Deluxe Woodcarving Kit \$430**

- \* M.TX 1/3 HP permanent magnet hang-up motor with 39" long standard key tip shafting for use with all interchangeable handpieces
- \* C.SXR Foot operated variable speed control in cast iron housing
- \* H.44T Handpiece with 3/32", 1/8" and 1/4" collets
- \* AKWK53– 27pc Accessory Kit includes Rotating Bur Holder and various shapes, sizes, grits of abrasive stones, diamond points, Scotch-Brite™ Radial Bristle Discs, Typhoon® carbide burs, steel cutter, sanding bands, and mandrels
- \* Flex shaft grease
- \* A-DVD131 Fur, Feathers & Fins DVD **Total Value: \$564**

**K.5401 Deluxe Woodcarving Kit with MAMH-1 Bench Clamp Motor Hanger in Box: \$479**

**K.5402 Deluxe Woodcarving Kit with MAMH-2 Base Mount Motor Hanger in Box: \$499**

**K.5300 Bench Style Woodcarving Kit \$388**

- \* M.SRM 1/6 HP bench mounted reversing motor with built-in, variable speed dial control in base and 39" long standard key tip shafting for use with all interchangeable handpieces
- \* H.44T Handpiece with 3/32", 1/8" and 1/4" collets
- \* AKWK50– 12pc Accessory Kit: Includes various shapes, sizes, grits of abrasive stones, diamond point, Typhoon® carbide burs, steel cutter, carving drill and mandrel
- \* Flex shaft grease
- \* A-DVD131 Fur, Feathers & Fins DVD **Total Value: \$454**

**230 Volt Kits– See Page 15 for Plug Options: K.5300-2, K.5300-21, K.5300-22, K.5300-26 \$388**



# Prepacked Woodcarving Kits

## K.2252 Chisel Carving Kit \$418

- \* M.LX High Torque/Low Speed permanent magnet hang-up motor with 39" long standard key tip shafting for use with all interchangeable handpieces
- \* C.EMX Table top, variable speed dial control in plastic housing
- \* H.50 Chisel Handpiece (not rotary)
- \* AKHK550– 6pc Chisel Set, AKHK560– 5pc Chisel Set, AKHK570– 6pc Chisel Set See page 23 for chisel specifications
- \* Flex shaft grease Total Value: \$497

230 Volt Kits– See Page 15 for Plug Options:  
K.2252-2, K.2252-21, K.2252-22, K.2252-26 \$418



K.2252

H.50 Chisel Handpiece

Dial Control



M.SRM Bench Motor with Built-in Speed Control

K.5230

H.30® Handpiece with chuck key & handpiece grip

## K.5230 Gourd Carving Kit \$415

- \* M.SRM 1/6 HP bench mounted reversing motor with built-in, variable speed dial control in base and 39" long standard key tip shafting for use with all interchangeable handpieces
- \* H.30® Handpiece with geared 3-jaw #0 chuck that accepts burs with shanks up to 5/32" and HPCCK-0 chuck key in plastic handle
- \* AK52– 14pc Accessory Kit includes Rotating Bur Holder and respirator, handpiece grip, brass brush
- \* Flex shaft grease Total Value: \$468

230 Volt Kits– See Page 15 for Plug Options:  
K.5230-2, K.5230-21, K.5230-22, K.5230-26 \$415

# Prepacked General Application and Industrial Kits

K.2272 \$345 General Application SR Motor Kit with H.30 Handpiece, 10.7 lb Description on next page

Options:

- K.2273 \$394 Kit with Bench Clamp Motor Hanger, 13.6 lb
- K.2274 \$414 Kit with Base Mount Motor Hanger, 14.0 lb
- K.2272-2 \$345 230 Volt Kit, 10.7 lb, US Plug, See Pg 15 for Plugs
- K.2272-21CE \$379 CE 230 Volt Kit, 10.9 lb, UK Plug, See Pg 15
- K.2272-22CE \$379 CE 230 Volt Kit, 10.9 lb, Continental European Plug, See Page 15

K.TXH440 \$440 Industrial TXH Motor Kit with Heavy Duty Shafting & Speed Control, H.44HT Handpiece, 13.2 lb Complete Description on next page

K.SRH440 \$365 Industrial SRH Motor Kit with Heavy Duty Shafting & Speed Control, H.44HT Handpiece, 14.4 lb Complete Description on next page

Options:

- K.SRH440-2 \$365 230 Volt Kit, 14.4 lb, US Plug, See Pg 15 for Plugs
- K.SRH440-21CE \$400 CE 230 Volt Kit with C.FCT-2CE Speed Control– Not Heavy Duty Model, 14.6 lb, UK Plug, See Pg 15
- K.SRH440-22CE \$400 CE 230 Volt Kit with C.FCT-2CE Speed Control– Not Heavy Duty Model, 14.6 lb, Continental European Plug, See Page 15

## Here's How We See It–

**K.2272** This kit contains our most popular combination of key components– the SR motor, FCT foot control and 30® handpiece. **Plus** it has an extensive selection (88pc assortment) of rotary accessories. All together, these significantly increase the kit's total value and application versatility.

**K.TXH440** Designed for the heavy duty industrial user, this kit features our 1/3 HP permanent magnet TX motor equipped with square drive shafting. It has the most power of any Foredom motor from medium to high speed– up to 15,000 RPM. The 63" long square drive shaft and heavy duty protective sheath is less flexible but will handle more torque than our standard 39" long key tip shafting. The cast iron variable speed foot pedal is tough enough to stand up to the rough environment of a factory floor, garage or barn. The H.44HT handpiece accepts all types of burs with 1/4", 1/8" & 3/32" shanks.

**K.SRH440** A great kit for users that need/want everything that comes in the K.TXH440 but are willing to trade off some horsepower for the reversing functionality of the SR motor. This Kit also comes in a 230 Volt version.

## General Application & Industrial Kits Featured on Next Page

# Prepacked General Application & Industrial Kits

## K.2272 General Applications Kit \$345

- \* M.SR 1/6 HP reversing, hang-up motor with 39" long standard key tip shafting for use with all interchangeable handpieces
- \* C.FCT Foot operated variable speed control in plastic housing
- \* H.30® Handpiece with geared 3-jaw #0 chuck that accepts burs with shanks up to 5/32" and HPCK-0 chuck key in plastic handle
- \* AK21– 88pc Accessory Kit: Assorted accessories in various shapes, sizes, grits: abrasive stones, diamond points, high speed steel fluted engraving burs, cut-off disc, polishing compound, rubber wheels, brushes, felt bobs, cotton and felt buffs, sanding bands, and mandrels
- \* Flex shaft grease Total Value: \$463

## K.2273 General Applications Kit with MAMH-1 Bench Clamp Motor Hanger in Box: \$394

## K.2274 General Applications Kit with MAMH-2 Base Mount Motor Hanger in Box: \$414

### 230 Volt Kits– See Page 15 for Plug Options:

- K.2272-2, K.2272-21, K.2272-22, K.2272-26 \$345
- K.2272-21CE \$379 with C.FCT-2CE foot control
- K.2272-22CE \$379 with C.FCT-2CE foot control



Industrial Kits feature motors with Square Drive Shafts and Heavy Duty Protective Sheaths, Variable Speed Foot Controls in Cast Iron Housings and specialized Square Drive Handpieces. Consider either of these kits for jobs that are large in scale and/or involve hard-to-work with materials.

## K.SRH440



## K.SRH440 Industrial Kit \$365

- \* M.SRH 1/6 HP reversing, hang-up motor with 63" long square drive shaft and heavy duty protective sheath
- \* C.SCT Foot operated variable speed control in cast iron housing
- \* H.44HT Square drive handpiece with 3/32", 1/8" and 1/4" collets
- \* AKHK25– 10pc Accessory Kit: CeramCut Blue abrasive stones, carbide bur, mandrels, cut-off disc, rubber wheels and wire brush
- \* Flex Shaft Grease Total Value: \$409

### 230 Volt Kits– See Page 15 for Plug Options:

- K.SRH440-2, K.SRH440-21, K.SRH440-22, K.SRH440-26 \$365
- K.SRH440-21CE \$400 with C.FCT-2CE foot control
- K.SRH440-22CE \$400 with C.FCT-2CE foot control

## K.TXH440



## K.TXH440 Industrial Kit \$440

- \* M.TXH 1/3 HP permanent magnet hang-up motor with 63" long square drive shaft and heavy duty protective sheath
- \* C.SXR Foot operated variable speed control in cast iron housing
- \* H.44HT Square drive handpiece with 3/32", 1/8" and 1/4" collets
- \* AKHK25– 10pc Accessory Kit: CeramCut Blue abrasive stones, carbide bur, mandrels, cut-off disc, rubber wheels and wire brush
- \* Flex Shaft Grease Total Value: \$475

# NEW SETS! Series SR Motor-Speed Control-Handpiece

This catalog introduces Freedom Sets which include popular combinations of motors, speed controls, and handpieces— the three key components of a flexible shaft machine. Unlike Kits, they do **NOT** come packed with any accessory assortments.

Order by Part Number Shown in Red

## Series SR Motor-Speed Control-Handpiece Sets— 115 Volt

Sets listed below (except for K.8301 in printed box) come packed in a white box and include a tube of flex shaft grease. See Pages 13-15 for Series SR Motor & Speed Control Descriptions, Pages 20-24 for Handpieces.

Set No.	Price	Contents (Motor, Control, Handpiece)
<b>K.8301</b>	<b>\$308</b>	M.SR, C.FCT-1, H.30
<b>K.8302</b>	<b>\$342</b>	M.SR, C.SCT-1, H.30
<b>K.8303</b>	<b>\$300</b>	M.SR, C.FCT-1, H.44T
<b>K.8304</b>	<b>\$329</b>	M.SR, C.FCT-1, H.20
<b>K.8305</b>	<b>\$347</b>	M.SRM, H.30
<b>K.8306</b>	<b>\$377</b>	M.SRMH, H.30H
<b>K.8307</b>	<b>\$339</b>	M.SRM, H.44T
<b>K.8308</b>	<b>\$367</b>	M.SRMH, H.44HT
<b>K.8310</b>	<b>\$334</b>	M.SR, C.SCT-1, H.44T
<b>K.8311</b>	<b>\$339</b>	M.SR, C.SCT-1, H.8
<b>K.8322</b>	<b>\$334</b>	M.SR, C.SCT-1, H.43T
<b>K.8323</b>	<b>\$300</b>	M.SR, C.FCT-1, H.43T
<b>K.8324</b>	<b>\$305</b>	M.SR, C.FCT-1, H.8
<b>K.8325</b>	<b>\$330</b>	M.SR, C.FCT-1, H.8D
<b>K.8327</b>	<b>\$300</b>	M.SR, C.FCT-1, H.28
<b>K.8328</b>	<b>\$339</b>	M.SRM, H.28
<b>K.8331</b>	<b>\$338</b>	M.SRB, C.FCT-1, H.30
<b>K.8332</b>	<b>\$330</b>	M.SRB, C.FCT-1, H.44T
<b>K.8333</b>	<b>\$394</b>	M.SRB, C.SCT-1, H.8D



## K.8301 Flex Shaft Set, 115 V \$308

- \* M.SR 1/6 HP reversing, hang-up motor with 39" long standard key tip shafting for use with all interchangeable handpieces
- \* C.FCT Foot operated variable speed control in plastic housing
- \* H.30® Handpiece with geared 3-jaw #0 chuck that accepts burs with shanks up to 5/32" and HPCK-0 chuck key in plastic handle
- \* Flex shaft grease

## K.8301-2



## K.8301-2 Flex Shaft Set, 230 V \$308

- \* M.SR-2 1/6 HP reversing, hang-up motor with 39" long standard key tip shafting for use with all interchangeable handpieces
- \* C.FCH-2 Foot operated variable speed control in plastic housing Comes equipped with US plug unless specified. See page 15 for power cord plug options
- \* H.30® Handpiece with geared 3-jaw #0 chuck that accepts burs with shanks up to 5/32" and HPCK-0 chuck key in plastic handle
- \* Flex shaft grease

See Page 15 for Power Cord Plug Options

## Series SR Motor-Speed Control-Handpiece Sets— 230 Volt

Sets listed below (except for K.8301-2 in printed box) come packed in a white box and include a tube of flex shaft grease. See Pages 13-15 for Series SR Motor & Speed Control Descriptions and power cord plug options, Pages 19-24 for Handpieces.

Set No.	Price	Contents (Motor, Control, Handpiece)
<b>K.8301-2</b>	<b>\$308</b>	M.SR-2, C.FCH-2, H.30
<b>K.8302-2</b>	<b>\$342</b>	M.SR-2, C.SCH-2, H.30
<b>K.8303-2</b>	<b>\$300</b>	M.SR-2, C.FCH-2, H.44T
<b>K.8304-2</b>	<b>\$329</b>	M.SR-2, C.FCH-2, H.20
<b>K.8305-2</b>	<b>\$347</b>	M.SRM-2, H.30
<b>K.8306-2</b>	<b>\$377</b>	M.SRMH-2, H.30H
<b>K.8307-2</b>	<b>\$339</b>	M.SRM-2, H.44T
<b>K.8308-2</b>	<b>\$367</b>	M.SRMH-2, H.44HT
<b>K.8309-2</b>	<b>\$308</b>	M.SRJ-2, C.FCH-2, H.30SJ
<b>K.8310-2</b>	<b>\$334</b>	M.SR-2, C.SCH-2, H.44T
<b>K.8311-2</b>	<b>\$339</b>	M.SR-2, C.SCH-2, H.8
<b>K.8322-2</b>	<b>\$334</b>	M.SR-2, C.SCH-2, H.43T
<b>K.8323-2</b>	<b>\$300</b>	M.SR-2, C.FCH-2, H.43T
<b>K.8324-2</b>	<b>\$305</b>	M.SR-2, C.FCH-2, H.8
<b>K.8325-2</b>	<b>\$330</b>	M.SR-2, C.FCH-2, H.8D
<b>K.8327-2</b>	<b>\$300</b>	M.SR-2, C.FCH-2, H.28
<b>K.8328-2</b>	<b>\$339</b>	M.SRM-2, H.28
<b>K.8331-2</b>	<b>\$338</b>	M.SRB-2, C.FCH-2, H.30
<b>K.8332-2</b>	<b>\$330</b>	M.SRB-2, C.FCH-2, H.44T

## NEW SETS!

# Series TX & Series LX Motor-Speed Control-Handpiece

### Series TX Motor-Speed Control-Handpiece Sets– 115 Volt

Sets listed below come packed in a white box and include a tube of flex shaft grease. See Pages 16 & 18 for Series TX Motor & Speed Control Descriptions, Pages 20-24 for Handpieces

Set No.	Price	Contents (Motor, Control, Handpiece)
<b>K.8401</b>	<b>\$378</b>	M.TX, C.TXR-1, H.30
<b>K.8402</b>	<b>\$408</b>	M.TX, C.SXR-1, H.30
<b>K.8403</b>	<b>\$370</b>	M.TX, C.TXR-1, H.44T
<b>K.8404</b>	<b>\$405</b>	M.TXM, H.44T
<b>K.8405</b>	<b>\$400</b>	M.TX, C.SXR-1, H.44T
<b>K.8406</b>	<b>\$398</b>	M.TXH, C.TXR-1, H.44HT
<b>K.8407</b>	<b>\$408</b>	M.TXH, C.TXR-1, H.30H
<b>K.8408</b>	<b>\$438</b>	M.TXH, C.SXR-1, H.30H
<b>K.8409</b>	<b>\$428</b>	M.TXH, C.SXR-1, H.44HT
<b>K.8410</b>	<b>\$400</b>	M.TX, C.EMX-1, H.44T
<b>K.8411</b>	<b>\$413</b>	M.TXM, H.30
<b>K.8412</b>	<b>\$433</b>	M.TXMH, H.44HT
<b>K.8423</b>	<b>\$370</b>	M.TX, C.TXR-1, H.43T
<b>K.8424</b>	<b>\$400</b>	M.TX, C.SXR-1, H.43T
<b>K.8425</b>	<b>\$428</b>	M.TXBH, C.TXR-1, H.44HT
<b>K.8426</b>	<b>\$438</b>	M.TXBH, C.TXR-1, H.30H

### Series LX Motor-Speed Control-Handpiece Sets– 115 and 230 Volt

Sets listed below come packed in a white box and include a tube of flex shaft grease. See Pages 17 & 18 for Series LX Motor & Speed Control Descriptions, Pages 20-23 for Handpieces

Set No.	Price	Contents (Motor, Control, Handpiece)	Volt
<b>K.8501</b>	<b>\$353</b>	M.LX, C.TXR-1, H.30	115V
<b>K.8502</b>	<b>\$353</b>	M.LX-2, C.TXR-2, H.30	230V
<b>K.8503</b>	<b>\$388</b>	M.LXM, H.30	115V
<b>K.8504</b>	<b>\$383</b>	M.LX, C.EMX-1, H.30	115V

The Series TX and Series LX Motor Sets listed above operate in forward rotation and do NOT run in reverse. Series SR motors are the only Foredom motors that run in both forward and reverse. Read below to learn more about reverse rotation.

## Series SR Motors– Understanding Forward & Reverse Rotation

### FORWARD – Counterclockwise shaft rotation

Understanding motor rotation can be confusing, and at Foredom we define it this way: Forward motor rotation means that the motor is turning an accessory (bur, bit, drill, cutter, etc.) counterclockwise when holding the handpiece upright in your hand and you are looking down on to the top of the accessory. When the handpiece and accessory are applied to the workpiece, your view-point changes to the back end of the handpiece and the forward rotation direction can be described as clockwise.

### Forward is the most commonly used setting.

Right-handed people have the most control running in the forward direction.

### Rules for Forward Motor Rotation

- \* The following handpieces and attachments must be used in Forward Rotation **only**: H.50 & H.50C Chisel Handpieces, H.15 Hammer Handpiece, Angle Grinder and Foredom Filer attachments. Using these in reverse can damage the handpiece, attachment, flexible shaft, or motor, and may cause personal injury.
- \* Use the forward motor direction **only** for fluted burs, drills and cutters. Most will cut efficiently only when turning in this direction.
- \* Many mandrels have right-hand threaded arbor screws which will unscrew in the reverse direction.



- \* Dust and debris flies away from the user when operated in forward in the left hand.
- \* Whether you are right or left handed or operate in forward or reverse, eye and dust protection should always be used.
- \* Always securely tighten chuck nut or chuck jaws of your handpiece with a wrench or chuck key so that it will not come loose in the reverse or forward operating directions.

### REVERSE – Clockwise shaft rotation

#### Advantages of Reverse Rotation

- \* Left-handed users will have better control of the accessory in the reverse direction.
- \* For right handed use, dust and debris flies away in reverse.
- \* Alternating motor direction helps to extend the life of mounted abrasive points, brushes, sanding bands, and Typhoon® burs.
- \* Reverse helps with accomplishing symmetrical grinding and carving techniques.
- \* Reverse is good for “backing out” stuck drill bits.
- \* Alternating motor direction makes it easier and faster to polish metals.
- \* Be sure to use a mandrel with a left-hand threaded arbor screw when running in reverse. See our broad selection of mandrels in the Foredom Accessory Catalog and on [www.foredom.net](http://www.foredom.net)

# 1/6 HP Series SR Motors– Most Popular for General Use

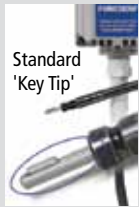
The Series SR has all the features most people need and want in a flex shaft motor– hence your best choice for General Use Applications.

**Power**– The 1/6 HP, ball bearing Series SR runs up to 18,000 RPM with all the power needed to accomplish most any job on nearly any material without stalling or slowing down while under normal load.

**Reversible**– The advantages of running in reverse rotation are not well understood by many of our users. Please read about reverse operation on previous page to learn more.

**Versatile**– 115 Volt & 230 Volt models at Same Price (except CE model). M.SR, M.SRM, M.SRB motors come with standard 39" long key tip shafting (shaft & sheath) for connecting to our 'interchangeable' handpieces, see pages 20-23.

Different length shafting, including non-conductive options, are available for Series SR models but do not come installed on your motor, see page 26.



Order by Part Number Shown in Red



**M.SR Hang-Up Style Most Popular**  
**M.SR-FCT+ \$240**  
**M.SR-SCT+ 274**  
**M.SR-EM 274**

- \* Order Series SR motors as Motor–Speed Control Combinations (M.SRM has its own built-in dial speed control)
- \* Speed Control options are featured on the next page
- \* Equipped with **S-93** Inner Shaft, **S-77** Outer Sheath & **MP132P** Motor Brushes
- \* A Handpiece is needed to complete your Series SR flex shaft power tool, see pages 20-23



**M.SRM Bench Style with Built-in Speed Control**  
**M.SRM \$279**  
 + CSA Listed.  
 Models listed are 115 Volt  
 230 V models available at same price. See plug options on next page.



**M.SRB Bench Style**  
**M.SRB-FCT+ \$270**  
**M.SRB-SCT+ 304**  
**M.SRB-EM 304**

# 1/6 HP Series SRH Motors– with Square Drive Shafting

M.SRH, M.SRMH & M.SRBH are the same motors as the Series SR above, but come with heavy duty protective sheaths and 63" long square drive shafts (not key tip). The letter 'H' is added to their model names to indicate the heavy duty shafting.

Square drive flex shafts are the ultimate power tools for deburring, buffing, grinding, polishing, & metal finishing. They are ideal for large scale woodcarving and sculpting jobs with carbide or steel burs and larger mounted grinding stones.

Heavy duty shafting is thicker and stronger but less flexible than the standard type. It connects ONLY to our 'square drive' handpieces– H.28H, H.25H, H.30H, and H.44HT, see page 24.

Available in 115 Volt and 230 Volt.

Different length square drive shafting, including non-conductive options, are available for SRH models but do not come installed on your motor, pg 26.



Order by Part Number Shown in Red



**M.SRH Hang-Up Style Most Popular**  
**M.SRH-FCT+ \$265**  
**M.SRH-SCT+ 299**  
**M.SRH-EM 299**

- \* Order Series SRH motors as Motor–Speed Control Combinations (M.SRMH has its own built-in dial speed control)
- \* Speed Control options are featured on the next page
- \* Equipped with **S-10823** Square Drive Inner Shaft, **S-10801TX** Heavy Duty Outer Sheath Assembly & **MP132P** Motor Brushes
- \* A Square Drive Handpiece is needed to complete your Series SRH flex shaft power tool, see selection on pg 24



**M.SRMH Bench Style with Built-in Speed Control**  
**M.SRMH \$304**  
 + CSA Listed.  
 Models listed are 115 Volt.  
 230 V models available at same price. See plug options on next page.



**M.SRBH Bench Style**  
**M.SRBH-FCT+ \$295**  
**M.SRBH-SCT+ 329**  
**M.SRBH-EM 329**

# Speed Controls for Series SR and SRH Motors

Order by Part Number  
Shown in Red

**C.FCT**— Freedom's most popular variable speed control features solid state circuitry in a heavy duty plastic housing with low profile design, an extra wide foot print, and non-skid pads on the bottom. It provides smooth control throughout the entire speed range.

**Specs:** CSA listed. 7-1/4" long, 4-1/2" wide, 2-1/2" high, 2 lb/1 kg pkg'd wt  
C.FCT-1: 4 Amps, 60 Hz  
C.FCH-2: 3 Amps, 50 Hz

**C.SCT**— offers the same electronics and smooth control as the C.FCT but in a much heavier, cast iron housing. The added weight eliminates any unexpected movement along the floor. The bottom surface of the C.SCT is covered with non-skid material.

**Specs:** CSA listed. 7" long, 5" wide, 2-1/2" high, 6 lb/2.7 kg packaged wt  
C.SCT-1: 4 Amps, 60 Hz  
C.SCH-2: 3 Amps, 50 Hz

**C.EM**— solid state control in a plastic housing that can be positioned anywhere on a work surface. The hand dial is used to adjust and set speed. This allows you to maintain and return to a desired speed by using the motor on/off switch rather than the speed control to power up the unit. The EM has a replaceable fuse.

**Specs:** 5" long, 5-7/8" wide, 2-3/4" high, 2 lb/1 kg packaged wt  
C.EM-1: 3 Amps, 60 Hz  
C.EMH-2: 3 Amps, 50 Hz



**C.FCT Foot Control in Plastic Housing**  
C.FCT-1 (115V)+ \$35  
C.FCH-2 (230V)++ 35

+ CSA Listed- 115 Volt Models

**C.SCT Foot Control in Cast Iron Housing**  
C.SCT-1 (115V)+ \$69  
C.SCH-2 (230V)++ 69

++ See 230 Volt Power Cord Plug Options Below

**C.EM Table Top Dial Control in Plastic Housing**  
C.EM-1 (115V) \$69  
C.EMH-2 (230V)++ 69

## IMPORTANT:



C.FCG \$25  
C.FCG-2 (230V) \$25

On/Off Foot Switch  
Momentary On



Foot Switch Models for Permanent Magnet Motors Use C.FCGX-1 with: M.TX, M.LX, M.PGX (& old M.L-2).  
M.TX, M.LX and M.PGX: Use C.FCGX-2 with: M.LX-2 and M.PGX-2.

**DO NOT plug your flex shaft motor directly into an electrical outlet.** The motor's power cord should be connected to the speed control, which in turn plugs into an outlet. The C.FCT, C.SCT & C.EM have 2 cords coming off the back. The 15" shorter cord accepts the motor plug, and the longer 6' cord connects to a power outlet. When using the On/Off Foot Switch, shown below, it goes in between your power source and speed control.

Use with flex shafts to sustain full speed in operation. Also for scroll saws, drill presses, and other stationary power tools. Operator can turn tool on and off without using the manual switch. Rated 1/3 HP, 6 Amp max. motors. Comes with 18" cord with receptacle plug and 6' cord with 3-prong plug. Use C.FCG with motors: M.SR (and discontinued M.PG and M.L). Use C.FCG-2 with 230 Volt M.SR (and discontinued M.PG-2).

## Power Cord Plug Options for 230 Volt Flex Shaft Motor-Speed Control Combinations, Micromotors and Bench Lathes

Standard 3-prong US style plugs come supplied on all 230V Speed Controls (except C.FCT-2CE) unless specified. The US style plug is indicated by a -2 after the Part Number, i.e. K.2230-2. Non US plugs available at same price.

**Add -21, -22 or -26 to Part No. when Specifying a Non-US Plug (Same Price):**

i.e. K.2230-21 (UK Plug), K.2230-22 (Continental European Plug), K.2230-26 (Australian Plug).

**Add -CE to Part No. when Specifying a CE Compliant Model (Applies ONLY to Series SR Motors and involves Additional Cost since C.FCT-2CE Speed Control replaces standard control):**

i.e. K.2230-21CE (CE Compliant Kit with UK Plug) & K.2230-22CE (CE Compliant Kit with Continental European Plug).

### CE Compliant Speed Control

C.FCT-2CE

See page 19  
for details



North American  
CSA Compliant

Add -2 to Part No.



United Kingdom  
UK plug with internal  
fuse. CE Compliant when  
supplied on C.FCT-2CE

Add -21 to Part No.



Continental European  
with 2 prongs and grounding  
hole. CE Compliant when  
supplied on C.FCT-2CE

Add -22 to Part No.



Australian  
with 3 prongs

Add -26 to Part No.

### Plug Adapters



United  
Kingdom UK plug  
CE Compliant

Add -21 to Part No.



Euro  
Plug with 2 prongs  
CE Compliant

Add -22 to Part No.



Australian  
with 3 prongs

Add -26 to Part No.

**Plug Adapters for Universal Voltage Units when 110V-120V is not available: Includes CE Compliant Wax Carver and MALB-1 Light Bar**

# 1/3 HP Series TX Motors— Best for Jobs Requiring Extra Power

Series TX have permanent magnet DC motors that feature the latest in flex shaft technology. These ball bearing models utilize advanced rare earth magnets (in place of wire wound fields in our universal type SR motors) that deliver excellent field strength throughout the speed range of 500 to 15,000 RPM. (Series LX motors have the most power from start up to 5,000 RPM). TX motors offer great control of the cutting tool, drill, or bur under load.

M.TX, M.TXM, and M.TXB motors come with standard 39" long key tip shafting (shaft and sheath) for connecting to Foredom's 'inter-changeable' handpieces, pages 20-23.

Our permanent magnet motors require the use of a C.TXR, C.SXR, or C.EMX speed control. Damage will result if the motor is connected to any other control or directly to the AC line. See note on page 18.

Different length shafting, including non-conductive options, are available but do not come installed on your motor, see page 26.



Standard 'Key Tip'

Order by Part Number  
Shown in Red



**M.TX Hang-Up Style**  
Most Popular  
**M.TX-TXR \$310**  
**M.TX-SXR 340**  
**M.TX-EMX 340**

- \* Order Series TX motors as Motor-Speed Control Combinations (M.TXM has its own built-in dial speed control)
- \* Speed Control options are featured on page 18
- \* Equipped with **S-93** Inner Shaft, **S-77** Outer Sheath & **MP319P** Motor Brushes
- \* A Handpiece is needed to complete your Series TX flex shaft power tool, see selection on pgs 20-23



**M.TXM Bench Style with Built-in Speed Control**  
**M.TXM \$345**  
Models listed are 115 Volt  
**TX and TXH Motors are NOT available in 230 Volt**



**M.TXB Bench Style**  
**M.TXB-TXR \$340**  
**M.TXB-SXR 370**  
**M.TXB-EMX 370**

# 1/3 HP Series TXH Motors— with Square Drive Shafting

M.TXH, M.TXMH & M.TXBH are the same motors as the Series TX above, but come equipped with heavy duty protective sheaths and 63" long, square drive shafts. The letter 'H' is added to their model names to indicate the heavy duty shafting.

Square drive flex shafts are the ultimate power tools for deburring, buffing, grinding, polishing, and metal finishing. They are ideal for large scale woodcarving and sculpting jobs with carbide or steel burs and larger mounted grinding stones.

Heavy duty shafting is thicker and stronger but less flexible than the standard type. It connects ONLY to our 'square drive' handpieces— H.28H, H.25H, H.30H, & H.44HT, pg 24.

These models also require the use of speed controls designed specifically for our PM motors, see page 18.

Different size shafting, including non-conductive options, are available on page 26.



'Square Drive'



**M.TXH Hang-Up Style**  
Most Popular  
**M.TXH-TXR \$335**  
**M.TXH-SXR 365**  
**M.TXH-EMX 365**

- \* Order Series TXH motors as Motor-Speed Control Combinations (M.TXMH has its own built-in dial speed control)
- \* Speed Control options are featured on page 18
- \* Equipped with **S-10823** Square Drive Inner Shaft, **S-10801TX** Heavy Duty Outer Sheath Assembly & **MP319P** Motor Brushes
- \* A Square Drive Handpiece is needed to complete your Series TXH flex shaft power tool, see selection on pg 24



**M.TXMH Bench Style with Built-in Speed Control**  
**M.TXMH \$370**  
Models listed are 115 Volt  
**TX and TXH Motors are NOT available in 230 Volt**



**M.TXBH Bench Style**  
**M.TXBH-TXR \$365**  
**M.TXBH-SXR 395**  
**M.TXBH-EMX 395**



# 1/10 HP Series LX Motors– Best for Low Speed Jobs up to 5,000 RPM Requiring Extra Power

Permanent magnet Series LX motors work with the same speed controls as the Series TX, see page 18. They are our **MOST powerful motors from start up to max speed of 5,000 RPM** (even more than the Series TX at those speeds). Series LX motors offer the added power needed for low speed jobs like stone setting, wax modeling, and drilling. **Series LX and LXH are available in both 115 and 230 Volt.**

Ball bearing M.LX, M.LXM and M.LXB motors are ideal for use with our drill press, see page 25. They are well matched with our Hammer and Chisel Handpieces H.15, H.15D and H.50 and H.50C.

Series LX motors come with standard 39" long key tip shafting (shaft & sheath) for connecting to ForeDOM's 'interchangeable' handpieces, see pages 20-23.

Different length shafting, including non-conductive options, are available but do not come installed on your motor, see page 26.



Standard 'Key Tip'

Order by Part Number Shown in Red



**M.LX Hang-Up Style Most Popular**

<b>M.LX-TXR</b>	<b>\$285</b>
<b>M.LX-SXR</b>	<b>315</b>
<b>M.LX-EMX</b>	<b>315</b>

- \* Order Series LX motors as Motor-Speed Control Combinations (M.LXM has its own built-in dial speed control)
- \* Speed Control options are featured on page 18
- \* Equipped with **S-93** Inner Shaft, **S-77** Outer Sheath & **MP319P** Motor Brushes
- \* A Handpiece is needed to complete your Series LX flex shaft power tool, see selection on pgs 20-23



**M.LXM Bench Style with Built-in Speed Control**

<b>M.LXM</b>	<b>\$320</b>
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230 V models available at same price. See plug options on page 15



**M.LXB Bench Style**

<b>M.LXB-TXR</b>	<b>\$315</b>
<b>M.LXB-SXR</b>	<b>345</b>
<b>M.LXB-EMX</b>	<b>345</b>

# 1/10 HP Series LXH Motors– with Square Drive Shafting

M.LXH, M.LXMH, and M.LXBH are the same motors as the Series LX motors above, but come equipped with heavy duty protective sheaths and 63" long square drive shafts. The letter 'H' is added to their model names to indicate the heavy duty shafting.

Square drive flex shafts are the ultimate power tools for deburring, buffing, grinding, polishing, and metal finishing. They are ideal for large scale woodcarving and sculpting jobs with carbide or steel burs and larger mounted grinding stones.

Square drive shafting is thicker and stronger but less flexible than standard shafting. It connects **ONLY** to our square drive handpieces– H.28H, H.25H, H.30H, and H.44HT, see pg 24.

115 Volt and 230 Volt models at Same Price.

Different length shafting, including non-conductive options, are available but do not come installed on your motor, see page 26.



'Square Drive'

Order by Part Number Shown in Red



**M.LXH Hang-Up Style Most Popular**

<b>M.LXH-TXR</b>	<b>\$310</b>
<b>M.LXH-SXR</b>	<b>340</b>
<b>M.LXH-EMX</b>	<b>340</b>

- \* Order Series LXH motors as Motor-Speed Control Combinations (M.LXMH has its own built-in dial speed control)
- \* Speed Control options are featured on page 18
- \* Equipped with **S-10823** Square Drive Inner Shaft, **S-10801TX** Heavy Duty Outer Sheath Assembly & **MP319P** Motor Brushes
- \* A Square Drive Handpiece is needed to complete your Series LXH flex shaft power tool, see selection on pg 24



**M.LXMH Bench Style with Built-in Speed Control**

<b>M.LXMH</b>	<b>\$345</b>
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230 V models available at same price. See plug options on page 15



**M.LXBH Bench Style**

<b>M.LXBH-TXR</b>	<b>\$340</b>
<b>M.LXBH-SXR</b>	<b>370</b>
<b>M.LXBH-EMX</b>	<b>370</b>

# Speed Controls for Series TX, TXH, LX and LXH Motors

Three models of speed controls are used with Foredom's Series TX, TXH, LX, and LXH permanent magnet motors. They offer smooth and controlled performance.

C.TXR, C.SXR and C.EMX controls look the same as our standard models, however, they have special electronics that convert AC current from an electrical outlet to DC, the type required by PM motors. The controls also have different style plugs that are made to fit the motor's shielded plug.

### Important Note:

Foredom's permanent magnet Series TX, TXH, LX and LXH motors require the use of a C. TXR, C. SXR or C.EMX speed control. Damage will result if:

1. The motor is connected to any other speed control, including an C.FCT or C.SCT, C.FCH, or C.SCH.
2. The plug is modified to fit a different control.
3. The motor is connected directly to an AC power source.



**C.TXR Foot Control in Plastic Housing**  
**C.TXR-1 (115V) \$55**

**C.TXR-2 (230V)++ 55**  
 7-1/4" long, 4-1/2" wide, 2-1/2" high, 2 lb/1 kg packaged wt  
 C.TXR-1: 4 Amps, 60 Hz  
 C.TXR-2: 3 Amps, 50 Hz

**C.SXR Foot Control in Cast Iron Housing**  
**C.SXR-1 (115V) \$85**

**C.SXR-2 (230V)++ 85**  
 5" long, 7" wide, 2-1/2" high, 6 lb/2.7 kg packaged wt  
 C.SXR-1: 4 Amps, 60 Hz  
 C.SXR-2: 3 Amps, 50 Hz

**C.EMX Table Top Dial Control in Plastic Housing**  
**C.EMX-1 (115V) \$85**

**C.EMX-2 (230V)++ 85**  
 5" long, 5-7/8" wide, 2-3/4" high, 2 lb/1 kg packaged wt  
 C.EMX-1: 4 Amps, 60 Hz  
 C.EMX-2: 3 Amps, 50 Hz

**++ 230 Volt Controls are for use with 230 Volt Series LX and LXH Motors. See 230V Power Cord Plug Options on Page 15. Series TX and TXH motors come ONLY in 115 Volt.**



These special controls are equipped with two cords coming off the back. The 15" shorter cord or socket connector has a unique style plug that fits the shielded motor plug. The longer 6' cord connects to a power outlet. When using the On/Off Foot Switch, it goes in between your power source and motor speed control. See page 15 for Momentary On/Off Foot Switch

## Speed Controls for Old and Discontinued Motors:

Speed Controls for R Motors are no longer available.

**115 Volt CC, DD, EE, GG, S, SB, 1/8HP SR, SRB, L, LB, JJ, & F:** Order current models C.FCT-1, C.SCT-1 and C.EM-1 at prices shown on page 15.

**230 Volt CC, DD, EE, GG, S, SB 1/8HP SR, SRB, L, LB, PG, JJ & K Motors:** Specify Part Numbers C.FCT-2, C.SCT-2, & C.EM-2 at prices on pg 15.

**115 Volt Series H Motors:** Order C.FCH-1 (\$35), C.SCH-1 (\$69) & C.EMH-1 (\$69).

**230 Volt Series H Motors:** Order C.FCH-2, C.SCH-2, and C.EMH-2 at prices shown on page 15.

## Rotating Bur & Tool Holders

**A-10082 \$16.50 Rotating Bur and Tool Holder— For 1/8" and 1/4" Shank Burs, Drill Bits 1/16"– 5/32".**

Organizes up to 112 accessories. Stores: 92– 1/8" shank & 13–1/4" shank burs. Has 7 marked holes for drill bits 1/16" to 5/32". 3" deep x 2-3/4" dia. center cup holds small tools such as files and screwdrivers. **Measures:** 6-1/2" wide x 4" high (178 x 102mm). Burs not included.



**A-10080 \$16.50 Rotating Bur and Tool Holder— Universal—For ALL Size Shanks.** Organizes 126 accessories with 1/16", 3/32", 1/8", and 1/4" shanks.

**Measures:** 6-1/2" wide by 4" high (178 x 102mm) and holds 69– 3/32" or 1/8" burs (in 2-step holes), 12–1/4" burs, and 45– 1/16" burs. Burs not included.



**A-10081 \$16.50 Rotating Bur Holder— For 3/32" (2.35mm) Burs and Small Tools.** Stores and organizes 114– 3/32" burs. **Measures:** 6-1/2" wide by 4" high (178 x 102mm) and has a center cup (3" deep x 2-3/4" dia.) to hold small tools such as files, scribes & screwdrivers. Burs not included.



## Small Bur Holders with Covers

**A-10089 \$4 Small Square Bur Holder—For 3/32" (2.35mm) & 1/8" Burs.** Holds up to 52 burs: 34–3/32" and 18– 1/8" shank accessories. **Measures:** 2-1/2" (64mm) sq. x 2-1/4" (54mm) high. Holds burs up to 2" long. Includes clear cover. Burs not included.



**A-10088 \$4 Small Round Bur Holder— For 3/32" (2.35mm) & 1/8" Burs.** Holds up to 48 burs with 24 holes for each size shank. **Measures:** 2-1/8" in dia. x 2-1/2" high (54 x 64mm). Holds burs up to 2" long. Includes clear cover. Burs not included.

