



4-Piece WOODTURNING SYSTEM

with Carbide Insert Cutters

#70-800

Developed for the experienced or novice wood turner, RIKON's turning system features tungsten carbide cutters that keep their sharp cutting edges longer than typical carbon or high speed steel tools. After hours and hours of use, if a cutter becomes dull, just rotate it to work with another new side of the edge. Changes only take seconds.

Set includes: 16" Handle, 3 Shafts, Round, Square and Diamond tungsten carbide cutters, mounting screws and T20 star wrench. All packaged in a presentation, storage box.

www.rikontools.com

RIKON's #70-800 Woodturning System includes a 16" long, machined aluminum Handle with an anti-vibration grip and features a forward, internal chucking system for attaching the shafts with cutters to the handle. Simply unscrew the knurled chuck collet to insert any of the three supplied shafts with carbide cutters, tighten the chuck collar, and you are ready to turn! No tools are required!

Three, 8-3/8" steel Shafts are supplied along with Round, Square and Diamond shaped tungsten carbide Insert Cutters that are secured to the shafts' working end with a T20 screw.

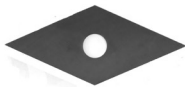
USAGE NOTE: The finely machined shafts have bottoms that are milled with a flat, and 2 side bevels for extra stability on the tool rest when turning. The bottom flat is in line with the cutter to maintain the cutter in a flat position for scrape cutting. The two side bevel surfaces also give the user extra support when the cutter is shifted to an angled skew position for shear cutting action.

Flats give the support and control needed, especially when turning bowl interiors where the cutter is extended out far from the tool rest.



TUNGSTEN CARBIDE INSERT CUTTERS

These long lasting, extremely hard cutters work through the hardest woods in either a scraping or shear cutting mode. Made of premium micrograin carbide, these inserts can be sharpened with diamond abrasives. Simply lap the entire TOP surface only to reveal a new cutting edge. Do not sharpen or change the angle of the bevel edge.



ROUND Insert Cutter

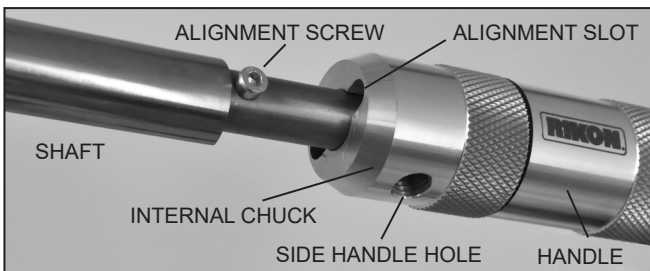
Very effective for finishing cuts on bowl interiors or any cove or contoured designs on bowls and spindles.

SQUARE Insert Cutter

Straight edges on this carbide cutter make it extremely useful for shaping convex or straight surfaces. Ideal for producing tenons for furniture construction. Reposition and use a corner for 90° V-cuts.

DIAMOND Insert Cutter

Mainly used to add thin line details on turnings, the spear-point tip is great for undercutting and creating small beads. The long sides of the cutter are also useful for fine shaping of rims on bowls or plates. Use carefully, as excessive pressure on the tip from hitting knots, irregular wood grain or aggressive use could damage the cutter.



ASSEMBLY

Install the Carbide Insert Cutters onto the working ends of the shafts with the supplied mounting screws and T20 star wrench. Do not overtighten the screws or damage to the cutters may result.

Install the Shaft into the turning handle.

The front of the handle features an internal compression chuck that securely attaches the shaft to the handle.

- 1 – Grasp the two knurled sections of the handle's front section and turn the forward chuck *counterclockwise* to loosen the chuck.
- 2 – Insert the rear, 14mm diameter end of the shaft into the handle. The shaft has an alignment screw that needs to be positioned into one of the slots milled into the forward nose of the handle.
- 3 – With the shaft fully inserted into the handle, turn the knurled forward chuck *clockwise* to secure the shaft in the handle.

Optional Accessories for use with the #70-800 Woodturning System

The 16" handle supplied in the set is hollow with a removable end cap. If a longer handle is desired for extra leverage when the cutter is extended out from the tool rest (typical use when turning bowl interiors), a separate **6" Handle Extension** is available. This short handle section screws into the rear of the 16" handle, then the end cap is re-installed onto the end of the extension.

If extra weight in the handle is desired to counteract vibration and sudden yanks that are commonly experienced when turning, an optional solid steel **Counterweight** fits inside of the handle and is secured in place by the end cap.

The 16" handle's chuck collar has a threaded side hole to install a **Side Handle** for extra holding stability, particularly when outboard turning of large bowls or platters. Pending how the shaft is installed in the chuck's forward alignment holes, the side handle can be positioned for left hand or right hand use.

Optional Accessories:

70-801	16" Handle only
70-805	Shaft only (without cutter)
70-810	Round Carbide Insert Cutter
70-811	Square Carbide Insert Cutter
70-812	Diamond Carbide Insert Cutter
70-802	6" Handle Extension
70-803	Handle Counterweight
70-804	Side Handle

For more information contact your local RIKON dealer, or contact:

RIKON Power Tools, Inc., Billerica, MA 01821
877-884-5167 www.rikontools.com