



Put the MasterCarve™
Class Ring System to
work in your business.

Create your master mold,
and bring your designs
to market quickly!

Call us;
we'll help you tap the
lucrative and exciting class
ring market—today!

... SHOOT THE WAX

Insert the brass mandrel into the rubber mold and replace it into the mold shell. Inject wax into the mold as you would any other design master. Remove the mold from the shell and remove the brass mandrel. The mandrel slides out leaving a perfect wax pattern of your original carved design. You can shoot several waxes if your piece is a repeat design such as a corporate incentive or a family crest. Or, if your design is a one-of-a-kind, you're ready for treeing and casting.

... SPRUE AND CAST.

Now, simply sprue your designs and cast as usual. Every detail is sharply defined, every cut made to an exact depth, and your stone will fit into its bezel perfectly. All in a fraction of the time and with more precision than you could hope for from a tool and die shop.



Bluewater Road NW • Albuquerque, NM 87121
800.545.6566 • www.riogrande.com

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MASTERCARVE™ CLASS RING SYSTEM
CREATIVITY, FREED BY ENGINEERING

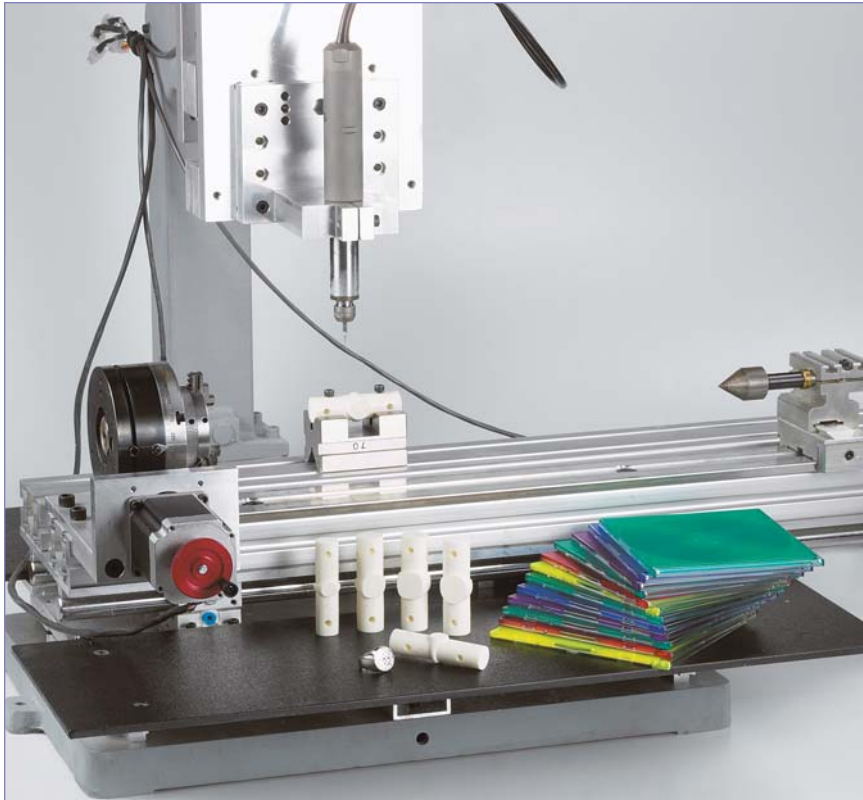
**THE NEW MASTERCARVE™ SYSTEM AND YOUR
CAD/CAM OPEN THE CARVED RING MARKET
TO YOUR DESIGN CREATIVITY!**

Class rings, corporate incentives, business logos, family crest jewelry and more can be at your command. The MasterCarve™ Class Ring System allows you to combine your CAD/CAM system with your design vision to carve intricate detail into curved as well as flat surfaces. Then create models, wax masters and manufacture your precision designs in a fraction of the time it would take a tool and die workshop. The new MasterCarve system from Rio Grande contains everything you need to offer anything from traditional designs to custom contemporary!



STEP BY STEP CONSTRUCTION

The MasterCarve™ class ring system contains six different ring blank styles, bezel blanks, six CDs pre-programmed with the milling tolerances for each ring shank size and bezel style (these disks, created for the DesignMaster CAD/CAM system, interface easily with most CAD/CAM systems) and a unique aluminum mold frame for creating and re-producing wax patterns.



Please Note: The required CAD/CAM equipment is not included with this system.

CARVE THE RING . . .

Ring shank and bezel designs are milled directly into the special blanks by your CAD/CAM machine, guided by the precision milling tolerances and contour information provided on one of six precision MasterCarve™ program CDs. For designs with a bezel, the bezel blanks are milled separately, guided by one of six precision MasterCarve bezel CDs. The bezel is then joined to the ring to create a complete design master. Keep each design master on hand to re-use anytime you need it; easily change text, logos or any design elements for a new look or style.

THE MASTERCARVE™ SYSTEM INCLUDES:

- Six master ring blank styles
- 12 master bezel blanks
- 12 milling program CDs
- One V-block carving support
- One aluminum mold frame
- One brass arbor mandrel
- MasterCarve RTV mold rubber
- MasterCarve accessory kit



Bezel designs are milled separately and joined to your ring design before molding. For signet-style rings, simply omit the bezel!

. . . CREATE THE MOLD . . .

Use the specially developed, hybrid MasterCarve™ molding system to create your ring mold. A hollow-centered aluminum shell holds the carved master ring blank in place while you pour a special RTV rubber around the blank, creating a silicon mold of your ring. When it is set, cut the RTV to remove your master design. The special material captures precisely the intricate details of your carving and can be used to create as many wax models as needed.