



Ringleader™ shown with optional Companion Kit.

## RINGLEADER™ INSTRUCTION MANUAL

### IMPORTANT SAFETY INSTRUCTIONS – READ ALL INSTRUCTIONS

#### FOR PERSONAL SAFETY THIS MACHINE MUST BE PROPERLY GROUNDED

To minimize the possibility of electrical shock hazard, the power cord of the Ringleader™ machine is equipped with a three-prong (grounding) plug which fits a standard three-prong (grounding) wall receptacle. When a standard two-prong wall receptacle is encountered, it is the personal responsibility and obligation of the customer to have it replaced with a properly grounded three-prong wall receptacle.

#### DO NOT, UNDER ANY CIRCUMSTANCES, CUT OR REMOVE THE THIRD (GROUND) PRONG FROM THE POWER CORD.

Always unplug your machine before cleaning or making any repairs. (NOTE: We strongly recommend that you return the unit to the factory for repair.) **USE ONLY IDENTICAL REPLACEMENT PARTS TO REPAIR THIS MACHINE. CALL CRYSTALITE FOR ORDERING INFORMATION.**

SAVE THESE INSTRUCTIONS

### 1 YEAR NO FAULT WARRANTY

#### WHAT WE WILL DO

This warranty is extended by the CRYSTALITE CORPORATION to the original purchaser and to any succeeding owner. If your CrystalMaster™ 6 Plus machine fails for any reason (other than abuse or misuse) within 1 year from the date of invoice, we will repair the product without charge for parts or labor.

#### HOW TO OBTAIN SERVICE

If you have any problem with your CrystalMaster™ 6 Plus machine, call the

CRYSTALITE CORPORATION for a return authorization number. Pack the machine carefully and return it post-paid to CRYSTALITE. We will repair your machine as quickly as possible and return it to you post-paid. To validate your warranty, please complete and return your warranty card.

#### WHAT IS NOT COVERED

This warranty does not cover wear of diamond discs or laps.



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### Model No. C5502010 (115v):

1. One Ringleader™ cabochon grinding & polishing machine.
2. Owner's manual and warranty card.

### OPTIONAL

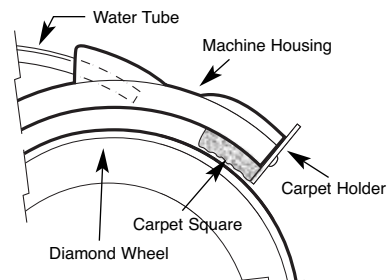
1. Companion Kit Model No. C5502031 - (2) 6"x 1-1/2" Crystaring® wheels (100 mesh and 600 mesh), (3) 6" Flexodisc™ discs, (3) 6" Crystalpad™ pads, (1) Moffatt lamp, (1) 2 gram compound kit, splash guards.
2. Submersible pump  
Model No. C5510110 (115v)

## CAUTION:

1. Any accessories or attachments added to this machine may introduce hazards.
2. Only use diamond wheels that have a solid core.
3. Don't overtighten the wheel nut.
4. Only use the flanges furnished with this cabochon grinding machine.
5. Safety glasses should be used in all cutting operations.

## INSTALLATION:

1. Make certain the power supply rating is 115V. a.c., 60 cycle.
2. Place Ringleader™ machine on a solid bench.
3. When mounting a Crystaring™ diamond wheel on the left side of the machine, the rib side of the wheel should face the motor. When mounting one on the right side, the rib side of the wheel should face the motor. The wheel with the coarsest grit should be on the left side of the motor shaft and the wheel with the finest grit should be on the right side. With the flanges in place, finger tighten the nuts and rotate the wheels to see if they are running true. If not, loosen the nuts, turn the wheels on the shafts and retighten the nuts. Do this until the wheels run true.
4. Insert the carpet square under the casting and behind the arrester. If the carpet square slips thru wheel & arrester and prevents the wheel from turning, replace it with a thinner one.
5. Adjust the 2 x 1 adjustable carpet holder to within 1/16" from the wheel.
6. The right hand nut may be eliminated when the shaft adapter is used.
7. Adjust the water tubes so that the water falls on wheel first. The carpet square will spread the water.



8. Install the Flexodisc™ kit on the right side of the Ringleader™ machine and adjust the Crystaring™ wheel and 6" disc to minimize wobble (see #3 above).
9. Set the pump into the sump pan and pull the electrical cord through the hole on the back of the hood casing.
10. Insert the unconnected end of the tube (that is attached to the "T" fitting) into the pump fitting.
11. Mix 1 oz. Crystalcut™ rust inhibitor with one gallon of water. Fill the sump pan to 1/2" over the pump. Tilt the pump to get fluid started. (The pump should face the screen with the impeller pointing downward).
12. Remove the threaded plug in the hood casing and replace it with the lamp base swivel adapter.

## MAINTENANCE:

1. The ball bearings are lubricated for life and do not require additional lubrication.
2. Change the water and drain the sludge frequently.

Visit our web site at: [www.crystalite.com](http://www.crystalite.com) for information on other Crystalite products. You can also download our catalog from our site.