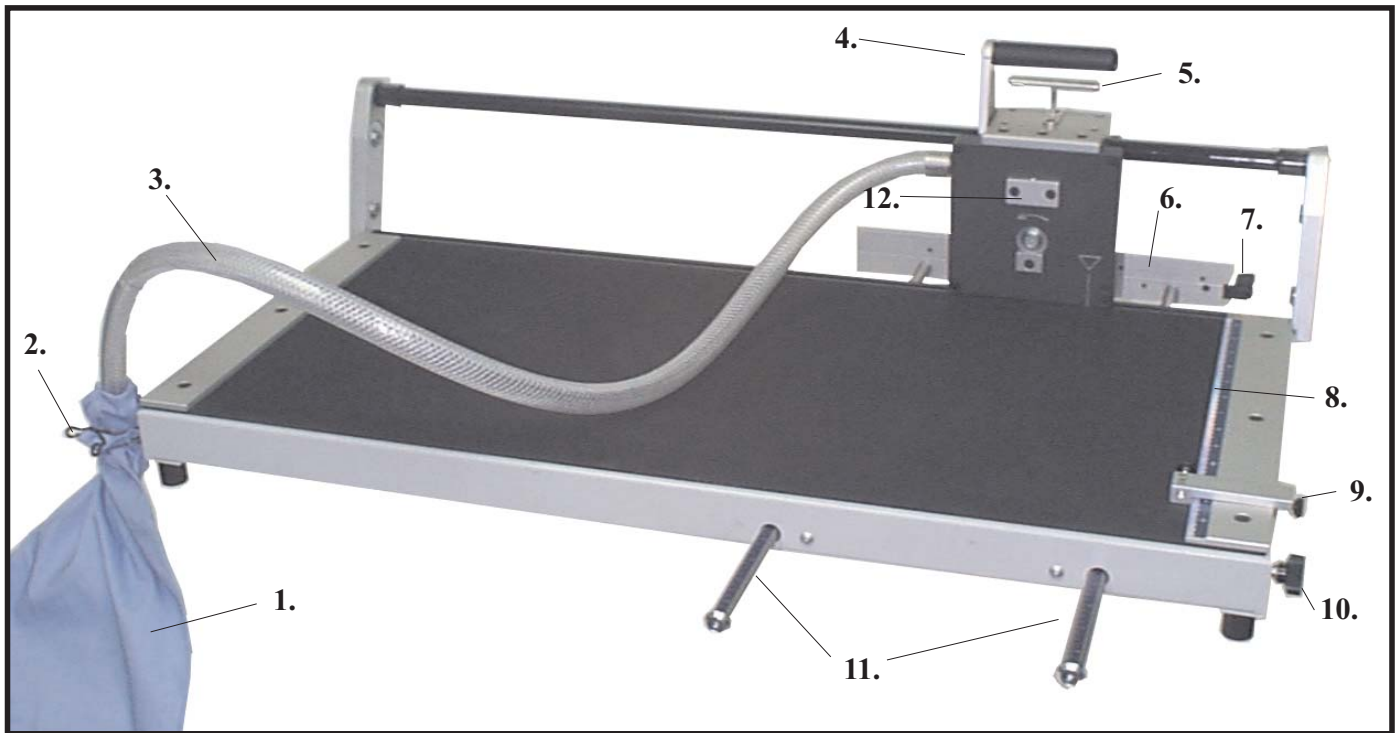


Varga Model VA 10 Circular Saw

“With Safety in Mind!”
Operating Instructions



1. Chip collection bag with velcro™ at the bottom for emptying chips.
2. Spring clip for holding the chip collection bag in place.
3. Chip collection delivery hose.
4. Main saw handle.
5. “T” handle for lifting saw casing.
6. Back stop guide for repetitive cuts of the same size (as measured from the back of the blade).
7. Back stop guide actuating lever.
8. Table top measuring scale (as measured from the front of the blade).
9. Optional stop guide for the table top measuring scale (Part number VA 5).
10. Locking knob for back stop guide.
11. Measuring scale for back stop guide.
12. Holding bracket for optional drip lubricating bottle

The Varga VA 10 is perfect for cutting standard plastic engraving stock, laser engraving material, all types of plastics, non-ferrous metals (aluminum & brass), wood, rubber, felt, cardboard and more. *Not for use on steel, materials containing steel, or magnetic materials.*

Introduction:

Congratulations on your purchase of a Varga VA 10 Circular Saw! It is state of the art for precision material cutting, and has applications in many different industries, including Sign Making, Engraving, Industrial Panel Production, Trophy & Awards, Advertising Specialty, and a variety of other applications requiring sizing of plastic, non-ferrous metal, and



other sheet material (not for use on steel, or magnetic material). The Varga VA 10 requires very little assembly, is pre-aligned, and is extremely easy to use. The safety features incorporated in this equipment make it one of the most “worry free” machines on the market, and while it is very important to follow all standard safety procedures during operation, it was truly designed with safety in mind. You will find this product to be extremely accurate, and of high quality construction, which will provide a long service life, if properly maintained. Your new Varga VA 10 is warranted for one year from date of sale against defects in manufacturing, parts or workmanship. Your distributor welcomes your comments or suggestions.

Assembly:

1. Remove the main body of the saw from the cardboard container, and locate the small box or boxes containing the saw accessories.

2. The accessory box will include a chip collection bag, chip collector mounting bracket, mounting screw, and chip collector bag spring clip for holding the bag in place. Install the chip collector, mounting bracket on the bottom of the saw base using the screw included. The mounting hole is on the bottom left, front side of the base as shown in the picture on the front of this manual (#2). The cylindrical part of the bracket should be in the up position.



3. Insert the top opening of the blue chip collector bag up through the center of the mounting bracket, fold the cloth down over the cylindrical part of the bracket, and secure it by bringing the spring clip down over the cloth and cylindrical part of the bracket. Insert the plastic

chip collection delivery hose down into the center of the cloth bag opening, noting that there is a plastic ring on the hose, which will indicate the correct depth.

4. Place your saw on a convenient table or workbench (approximately waist high) so that the chip collection bag hangs off the end. Be careful not to obstruct the opening of the hose inside the bag. When it is time to empty the saw chips, it is easy to place a trash can under the bag, and then pull the Velcro™ apart, thus allowing the chips to fall into the can without having to remove the bag from the mounting bracket. When empty, re-close the bag by pressing the Velcro™ together.

5. Remove the electrical power cord for the saw from the accessory box. Insert the female end of the cord into the receptacle located on the top of the motor housing. The cord plug is shaped so that it will only fit the correct way, and if it does not go in easily, look carefully to see that it is oriented properly. For future reference, please note that the motor does have a protective electrical fuse, which is located under a plastic flap next to the cord receptacle. To reveal the fuse, disconnect the electrical cord and insert a fingernail or small screwdriver under the flap, and gently lift up. The active fuse, and a spare fuse will then be visible.



6. If the main handle and “T-handle” (#4 and #5) are not already installed on the saw motor block, remove them from the accessory box, and install the “T-handle” first, followed by the main handle, with the screws provided.

7. Lastly make sure that all packing materials are removed from the machine, and that the motor block moves freely back and forth on the guide rod, before plugging the electrical cord into the power source. With very few exceptions, all saws sold in the United States of America are 110Volt, 60 Hz. Make sure that the power outlet you wish to use, matches the power requirements and plug type of your saw. If you have made a special purchase of a 220 Volt model, or if you live in a country other than the U.S.A., it will be necessary for you to add the correct plug to your power cord, in order to match your power source and type of wall outlet. (Special plugs are not included.)

8. Your new saw is now completely assembled and ready for use. Plug the electrical cord into your power source. Prior to attempting to make a cut, turn on the motor to make sure that it is receiving power and running smoothly.

Operating Procedures:

Basic Operation:

Operation of the Varga VA 10 is very straight forward, as follows:

1. Face the right side of the saw (the side where the 13 ½ inch measuring scale is found). The palm of the operator's right hand will rest on the main handle on the saw motor block, and the fingers of the right hand will grasp the "T-handle" underneath. Squeezing the fingers of the right hand will raise the motor block, relaxing the fingers will allow the motor block to lower. The operator's left hand is used to position and move the material being cut.

2. With the right hand move the motor block/saw casing away from the operator in preparation for making a cut. Position a piece of material to be cut on the saw table (measuring procedures will be discussed in a subsequent section).



3. Now move the motor block near the material to be cut, and raise the saw blade casing so that the bottom casing rests on the top of the material. You will note a white or silver line on the front of the black saw blade casing which indicates the point where the saw blade starts cutting. Do not allow the edge of the material to being cut to go past this line without the motor running, otherwise the material could jam the blade, resulting in a blown fuse when the motor is turned on.

4. With the motor running, smoothly draw the motor across the material until it reaches its built in stop, then smoothly reverse the direction, thus placing the motor/casing in a position that is ready for the next cut. Important Note: The bottom of the saw blade casing should ride on the top surface of the material being cut, thereby preventing material "chatter", fracturing, or chipping.

Important Operating Notes:

1. The circular saw cuts from the bottom upwards, and the bottom of the saw blade casing acts as a hold-down device. Therefore, it is very important that the sawing unit is allowed to press down on the material being cut by its own weight, so that it rides on the surface of the material as a cut is being made.

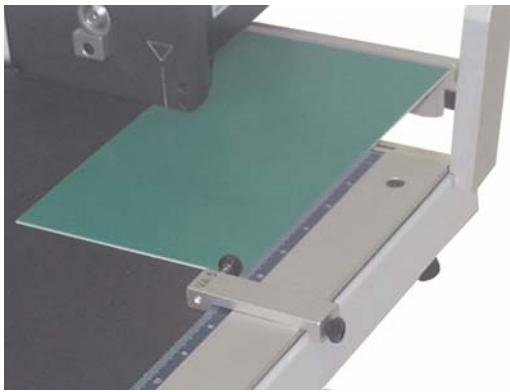
2. The saw is capable of making very narrow width cuts (strips), which could fall into the guiding slot underneath the blade. These must be removed before making the next cut.

3. During cutting, the edge of the material being cut should be held firmly against the side rail (the rail on the right side, top of the saw table, where the 13 1/2" scale is located) to avoid slippage.
4. Do not use this saw for cutting steel, other ferrous metals, or magnetic sheet stock. Use on this type of material will ruin the saw blade, and may void the warrant on this equipment.

Non-observance of these important operating notes could lead to saw blade fracture and damage to the guard plates.

Measuring Procedures:

The Varga VA 10 has two different methods available for measuring the material to be cut in order to obtain the desired size, the primary measuring scale, located on the top of the right side rail, and the back material stop guide, which has measuring scales located on each of the two rods which extend out of the front of the saw table.



The primary measuring scale is marked in inches, with its smallest division being 1/16th of an inch. This scale measures from the inside cutting edge of the saw blade outward, so that placing the back edge of the material next to the desired measurement on the scale will produce highly accurate results. Note: An optional stop guide (Part # VA 5) is available for the primary measuring scale, as shown on the front cover of this manual (# 9). The optional VA 5 stop guide has a thumb screw stop which makes very fine adjustments possible.

The back material stop guide is most often used to obtain repetitive cuts. It is set by lining up the desired length of cut on the measuring rods extending out the front of the saw table with the edge of the saw table. This measurement is then locked in place by means of the black thumb screw (#10) located on the front, right hand corner of the saw

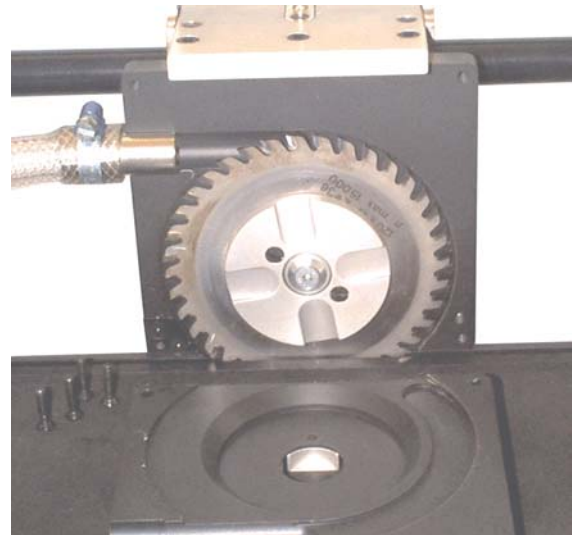


table. This will position the actual stop guide so that the piece which is cut off is the desired length. The stop guide measurement is from the outside cutting edge of the saw blade to the stop on the back side of the table. The operator will note a lever (#7) on the back material stop guide. Pressing down on this lever raises the stop guide so that when material is pushed along the side rail, it cannot go past this barrier. When the lever is released, then the stop guide is out of the way, or it can act as a support for long material cuts. If the operator wants the stop guide to stay up continuously,

this may be accomplished by pressing down on the lever, and then inserting a piece of plastic in the gap.

Changing the Saw Blade

1. Disconnect the electrical power cord from the motor block to prevent accidents.
2. Make sure that the optional lubricating device is not installed.
3. Remove the four slot screws in the front of the saw casing, thus exposing the saw blade to view.
4. Remove the two blade mounting slot screws and the fixing ring (fan).
5. Remove the saw blade. Clean the interior of the saw blade housing to remove any chips or debris.
6. Insert the new saw blade. Pay close attention to the direction of rotation, which is counter clockwise when facing the blade. The direction of rotation is marked on the outside of the saw casing that was removed to expose the blade.
7. Replace the fixing ring, and the two blade mounting slot screws.
8. Replace the saw casing cover, and the four saw casing slot screws.
9. Reconnect the electrical power cord.
10. Turn on the saw for a test to make sure that the saw blade turns smoothly and freely, then make a test cut. If the blade does not operate freely, review the above captioned steps again.



Attention: The saw blade mounting flange, and the guiding tongue which fits in the groove in the top of the saw table are precisely adjusted and should never be dismantled.

Maintenance and Service

Keep the saw clean. Oil the guiding rod a little from time to time. We recommend Tri-Flow lubricant, but any light machine oil can be used. Have dull blades resharpened by an expert. Your dealer can advise you on blade resharpening. A reserve saw blade is recommended so that

a dull blade can be replaced while it is being resharpened. Should you experience problems that you cannot correct, call your dealer for advise.

Technical Data:

Motor	110 Volt 60 Hz.
Output	350 Watts
Speed	15,000 R.P.M.
Maximum Cutting Length	24 3/8"
Maximum Material Thickness	1/4"
Maximum Light and Non-ferrous Metal Thickness	.157" (5/32")
Maximum Stop Guide Cut length	8 1/2"
Maximum Primary Top Scale Measurement	13 3/4"
Saw Blade	36 Tooth Carbide Tipped, (4.72" X .067")
Gross Shipping Weight in Box	57 lbs.
Outside Dimensions in Box	10" X 32" X 37"

Accessories:

VA 5 Stop Guide for Top Primary Measuring Scale

Drip Lubricator Device

VARGOL special lubricant – 1/2 Liter Bottle

Warranty:

The Varga Model VA 10 is warranted for one year from date of purchase against

Manufacturer's defects in material or workmanship.