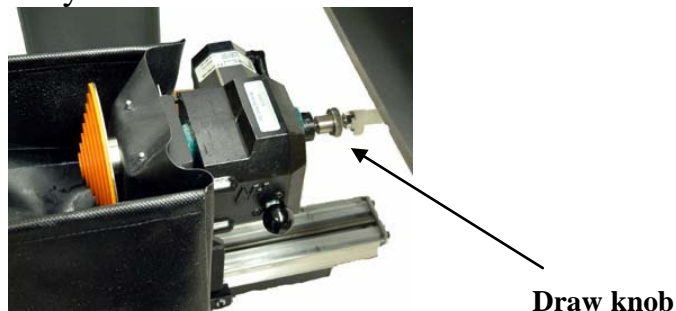
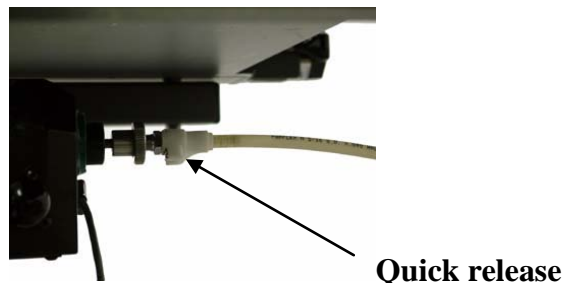


## Glass Engraving

- \* Unpack glass attachment and check contents against packing list to make sure all necessary parts are enclosed
- \* Place catch basin on vise jaws. Small holes in basin should be forced over the jig pins.
- \* Assemble a cone onto a vacuum tube. Use a 5/64 Allen wrench and two (2) #6-32 x 1/2 flat head socket screws to secure each cone to the vacuum tube. Test fit a glass to be engraved against each cone and choose the best fitting cone.
- \* Slide cone and vacuum tube assembly into cylindrical shaft, making certain pins lock into notches in shaft. Screw draw knob onto back firmly, eliminating any play that may exist.



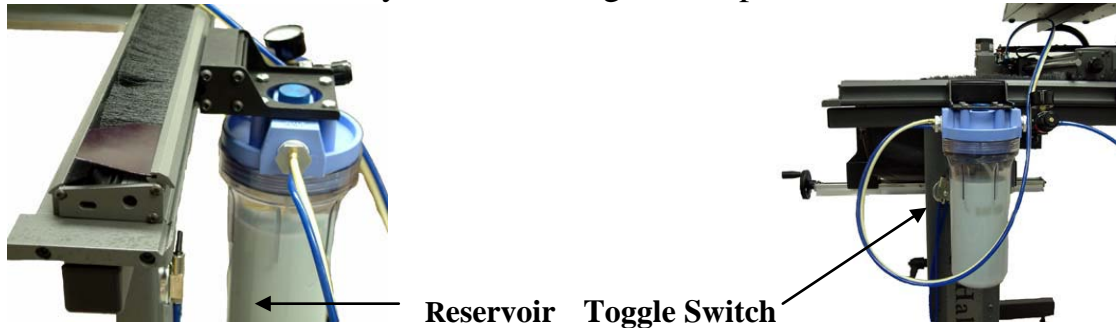
- \* Place vacuum pump in convenient location. Connect free end of vacuum hose to compression fitting of vacuum pump and tighten with 1/2" open end wrench. Plug pump into wall using the included foot pedal switch.
- \* Push quick release on the opposite end of vacuum hose overdraw knob until it clicks. Step on foot pedal to turn on vacuum and place finger in front of hole on the cone to test and make sure there is suction.



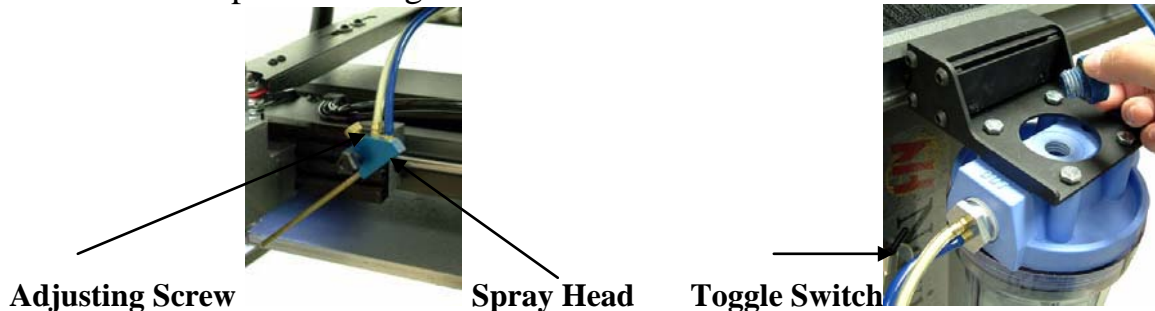
- \* Unpack mister kit and remove reservoir tank from box. Bracket will already be attached to tank for easy installation on table. Remove nose piece

using a 3/32” Allen wrench from the y-rail on the right side (looking from the front) of your table. The screw is on the reverse side under the brush cover.

\* After bracket is slid onto y-rail, attach right nose piece back on the table.



\* Mount sprayer head on T-slot using the included T-bolt, spacer, and knob. Position the sprayer head so the nozzle tip is approx. 1 to 2 inches from cutter or work piece and tighten knob.



\* Fasten air toggle switch in a convenient, easy to reach position for fast control of turning spray on or off.

\* To add water and glass fluid, unscrew the knurled knob on top of tank. Add water and glass fluid through funnel and re-tighten knob with finger pressure. **Note: Do not fill tank above where air regulator and air/coolant lines connect.**

\* Hook up air supply hose coming from the reservoir tank by splicing into your current air compressor using the provided adapter.

\* Open air toggle switch with compressor on and adjust air regulator to desired pressure. Suggested air pressure for sprayer is between 10 to 20 PSI.

*You may want to experiment with pressure based on your job application. It is best to use LOW air pressures when heavy spray is desired, and to reduce coolant flow when higher air pressures are used.*

\* To clean or change fluids, unscrew fluid reservoir tank from bracket. Re-seat “O” ring and re-tighten with finger pressure.

\* To change nozzles, lightly grip nozzle and unscrew. When replacing nozzle, DO NOT over tighten.

## Getting the machine ready to Engrave

Open JLS software.

Go to File New- Enter Dimensions

(This is the area to be engraved).

Check the cylindrical box and put in the diameter of the glass.

Set the Origin at Top Left and the Home at Center

Choose type of job you are doing and complete setup.

Turn on the controller.

Once it has booted up push the drives on button on the front panel of the controller.

Push cyl/flat on controller to switch to cylindrical mode

Place the glass on the cone and turn on the vacuum pump.

(This will hold the glass in place)

Next jog the spindle over the glass to the location you want to be your home position (Where the job will start)

Push Set Home button on the controller

## Setting up the Rotary spindle.

Choose the glass cutter and place it in the Lite touch cutter head.

**Remove the micrometer, and nose from the spindle.**

Place the cutter and the Lite touch in the Rotary Spindle.

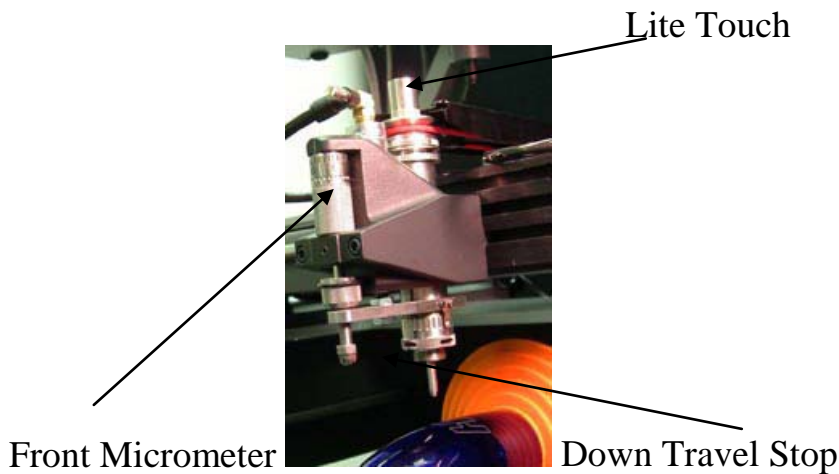
Tighten cutter by holding the pulley in one hand and screw the cutting tool knob counter-clockwise with the other hand.

Jog the spindle over the glass. Lower the cutting tool until it rests against the glass.

While the cutting tool is resting on the glass push the rotary spindle down and tighten the cutter in the Lite touch.

Using the front down travel stop, to control depth turn front micrometer until spring in Lite touch is  $\frac{1}{2}$  way in slot in down position.

Make sure that the cutter does not bottom out, on the spring in the lite touch.



**\*\*\*Note following step if using a collet Spindle**

If using a collet spindle, you must have a solid collet (not split) and a threaded Drawbar; the solid collet will allow the cutter to slide freely while glass engraving.

Choose a glass cutter and place it in the Lite touch (easy rider) cutter head. Put Collet and the draw bar in spindle, slide cutter into drawbar and tighten.



Turn on the Compressor

Turn on the mister; position it over the glass next to the cutter.  
Make adjustments in mist flow if necessary using the knob located on the spray head.

Send the job over to the controller.

Push the start button to engrave.



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## **Packing List**

- One 32 oz. Glass cutting fluid (1500518)
- One (1) Blue Cone (1501368)
- One (1) Orange Cone (1501367)
- One (1) draw knob (1501361)
- Two (2) vacuum tubes (1501362)
- Four (4) #6-32x1/2 flat head hex socket screws (1079064)
- One (1) catch basin (1501376)
- One (1) cutter package containing: four cutters (1518060, 1518090, 1518510, 1518520), one lite touch (1501732), one cleaning stone (1089755), four cutter heads (1500148), and one cutter wrench (1089600)
- One (1) vacuum pump kit (1500872)
- One (1) mister kit (1089872)
- One (1) foot switch assembly (1500019)
- One (1) 3-way valve kit (1500871)