

Lubrication of the VE 810

Lubricating the X&Y-Axis Linear Rails

Apply 2-3 drops of light oil (such as 3-in-1 oil) on the rails and rub it in with your fingers.

Use the X jog button to move the spindle to the right and left to evenly distribute the oil.

Also, use the Y jog button to move the t-slot table front to back to evenly distribute the oil.

(See Figure 5.1) Lubricating the X-Y-Z-Axis lead screws

A light lubrication of the X, Y and Z lead screws should be performed after every week of usage.

Use silicone lubricant only. To reach the Z-Axis lead screw, press the Z jog down button to lower the spindle.

This will expose the Z leadscrew so you can spray it with lubricant.

DO NOT use any lubricant other than silicone, as it may become sticky and cause a buildup that can cause mechanical failure.

What **NOT** to lubricate

Many of the bearings and assemblies in your engraving machine are sealed and/or coated using special

low-friction methods and should not be lubricated. **DO NOT** attempt to lubricate the spindle or the spindle bearings.

If you suspect lubrication problems, call your dealer/representative for instructions, as further lubrication may harm the machine.

DO NOT oil the X or Y stepper motors. None of the motors on the VE-810 require lubrication.

Oiling the stepper motors can permanently damage the motors.

Please refer to the drawing on the second page of this document for further reference.

(Figure 5.1) Lubricating the VE-810

