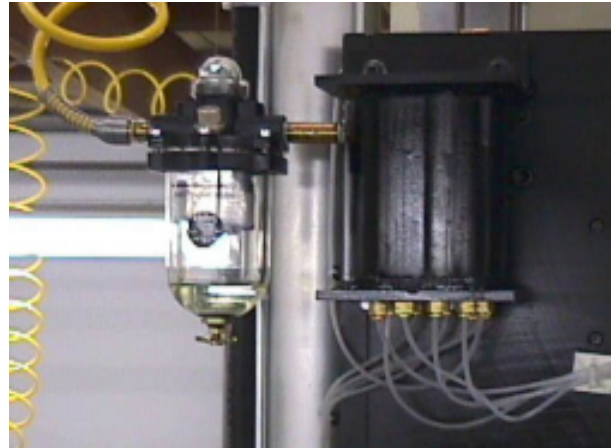


Automatic Lubrication System

The Automatic Lubrication System is available on all Models of Thermwood equipment.

This option provides the user two very important features. First, the automatic lubrication system automatically provides continuous lubrication to the axes rail bearings and the ball followers on the screws. This eliminates the need to grease these bearings which are the ones which need lubrication most frequently. This allows the machine to be in production a higher percentage of the time as well as insuring that these systems are lubricated. The second feature of this option is that it allows the machine to operate in a very hostile environment. This is because the system is an air/oil purge system. The system consists of an oil mister and a series of air lines which lightly pressurize the bearings with air which contains a small amount of oil in suspension. The air continually flows out of the bearings past the seals making it very difficult for any dirt or other contaminants to enter the bearings. This option is recommend in production situations where the user is cutting materials which produce abrasive dust such as fiberglass or acrylics, as well as woodworking applications such as stack machining of composite boards where complete dust collection is difficult.

The Automatic Lubrication System distributes lubricant from a central reservoir to the bearings on the trackways as well as the ball followers on the leadscrews. There are some bearings such as the router motor bearings, piggy back slide bearings and the leadscrew end bearings which still require greasing but only infrequently.



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