

Machine Enclosure



All Thermwood Model Machines are available with a machine enclosure. The machine enclosure unit surrounds the machine on all four sides. The enclosures consist of an extruded aluminum framework into which a combination of lexan and solid plastic panels are mounted. The units have doors which allow easy access for loading and unloading parts, changing tools as well as clean up.

On a single table machine any time the doors on the enclosure are opened the machine stops. For loading and unloading parts a code is placed into the program to pause the machine after the part is completed, so the doors can be opened without the machine going into an emergency stop condition. Then the part can be removed and another loaded. Once the part has been loaded and the doors are securely closed the machine can be restarted from the SuperControl.



On a dual table machine it is possible to load and unload parts while the machine is in operation. Dual table machines have a center partition to separate the operator from the active table, where the trimming operation is occurring, while he is loading the non active table. The machine will stop if the head travels past the coordinates of the active table. If the tables are joined for a larger machining area, by removing the center partition, both doors have to be closed in order for the machine to operate.



When the enclosures are retrofitted onto existing machines, modifications to the control as well as the hand held programmer are required. The Hand Held Programming unit is replaced with a special unit that contains a Hold to Run switch. This switch must be depressed at all times during the programming mode when there is machine movement.



For more information contact the Thermwood Retrofit Division.

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