

9 Spindle Drill Bank

The 9 Spindle Drill Bank is available on the Model 40, Model 42, Model 45 and the Model 53. Only one drill bank can be installed per head and they are mounted to the right of the head.

Nine Spindle Drill Banks are a very flexible drilling system. The drill unit is vertical boring head with nine vertical spindles arranged in a right angle pattern with four arranged front to back and four left to right with one additional which is common to both. The spindles are on 32mm centers. The ends of the spindle shafts are bored to accept 10 mm shank drill bits. Spindle rotation alternates from clockwise to counterclockwise from the first to the last spindle. This requires that every other drill bit be reverse fluted.

A bank of air solenoid valves control air to the individual spindles. The valves are electrically connected to and controlled by the outputs of the control system. Any output or combination of outputs can be turned on under program control and thus any spindle or combination of spindles can be lowered under program control. When activated the drill bits will lower 70mm.

The Nine Spindle Drill Bank provides the user with a valuable tool which will perform well if used properly. The drill bank is driven with a 3 HP motor which produces an output spindle speed of 5,820 RPM. These drill banks have a capacity of utilizing 10mm shaft Drill Bits with a 3/8" Maximum Drill Bit Diameter, 3" Maximum Drill Bit Length for vertical bits. A maximum of five 3/8" holes may be drilled simultaneously. The drill unit requires oil free compressed air with a minimum of 72 PSI and a maximum of 101 PSI. The drill bits do not have full table coverage, contact Thermwood for a drawing of coverage's for your configuration.



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