

MasterCarver

The first MASTER CARVER was manufactured over 75 years ago. Its fore-runner was the Victory Carver which was first introduced about 100 years ago. The first MASTER CARVERs were custom built to meet the needs of the furniture manufacturers. MASTER CARVER design and construction has evolved around these needs.



Master carvers are built with either 12 or 24 collet spindles on 10" centers. 24 and 32 spindle machines can be arranged on either 8 or 10 inch centers. Each motor driving four spindles, allows the operator to load alternate work stations and obtain double "swing width." (This is recommended only where very fine degrees of accuracy and tolerance ARE NOT required.) All of the above have a standard length of 48 inches.

Over the years, many improvements in design and construction of the MASTER CARVER have eliminated the need for daily oiling and periodic center turning spindle alignment. Availability of high precision machining has enabled us to build the MASTER CARVER to closer tolerances than ever before, enabling the machines to copy patterns more precisely than ever before.

The smallest MASTER CARVER is an eight spindle machine and the largest has 40 spindles. We also build 12, 16, 24, and 32 spindle machines.

The MASTER CARVER line is the most widely used for industrial applications. They are very heavily built and massive, yet their operation is smooth and easy. One operator can manually trace a pattern while as many as 40 spindles are making precise copies of the pattern. MASTER CARVERs are relatively simple, yet unique in their productivity and are used trouble-free throughout the world.



The carving spindles rotate at an average speed of 11,300 RPM. They are arranged to be driven in sets of four, and powered by a 1 1/2 H.P. motor. Each set of four has two spindles turning clockwise and the other two turning counterclockwise. This is to cancel out the cutting forces between spindles which allows for an easier, more accurate and smoother cut. Each spindle runs on a pair of high precision, smooth running ball bearings. All bearings are permanently lubricated and equipped with high speed, low friction seals. The lower ball bearing is held securely to the spindle and lower bearing housing for strength and true running, while the upper ball bearing is pre-loaded and allowed to "float" for temperature corrections and smooth, cool running. The spindles are preloaded in an upward direction, securely maintaining the spindles positions in the housings. Cutter changes are easily accomplished by inserting the spindle lock to prevent rotation and using a single 3/4" wrench. This allows the operator a free hand to accurately position his cutting tools.



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