



M15 Edge Milling Machine



A2515 DS Arch Shaper Sander



A215 DS Cope Shaper



A11 Table Shaper Sander



A517ED Arch Shaper Sander



A515 Arch Shaper Sander



A115 Shaper Sander



A15 Stile & Rail Shaper



A26 Cope Shaper

THE LATEST IN CNC FEED-THROUGH TECHNOLOGY

Meets or exceeds CE safety specifications

A1517 CNC ARCH SHAPER SANDER



www.voorwood.com



A12 Miter Lock Shaper



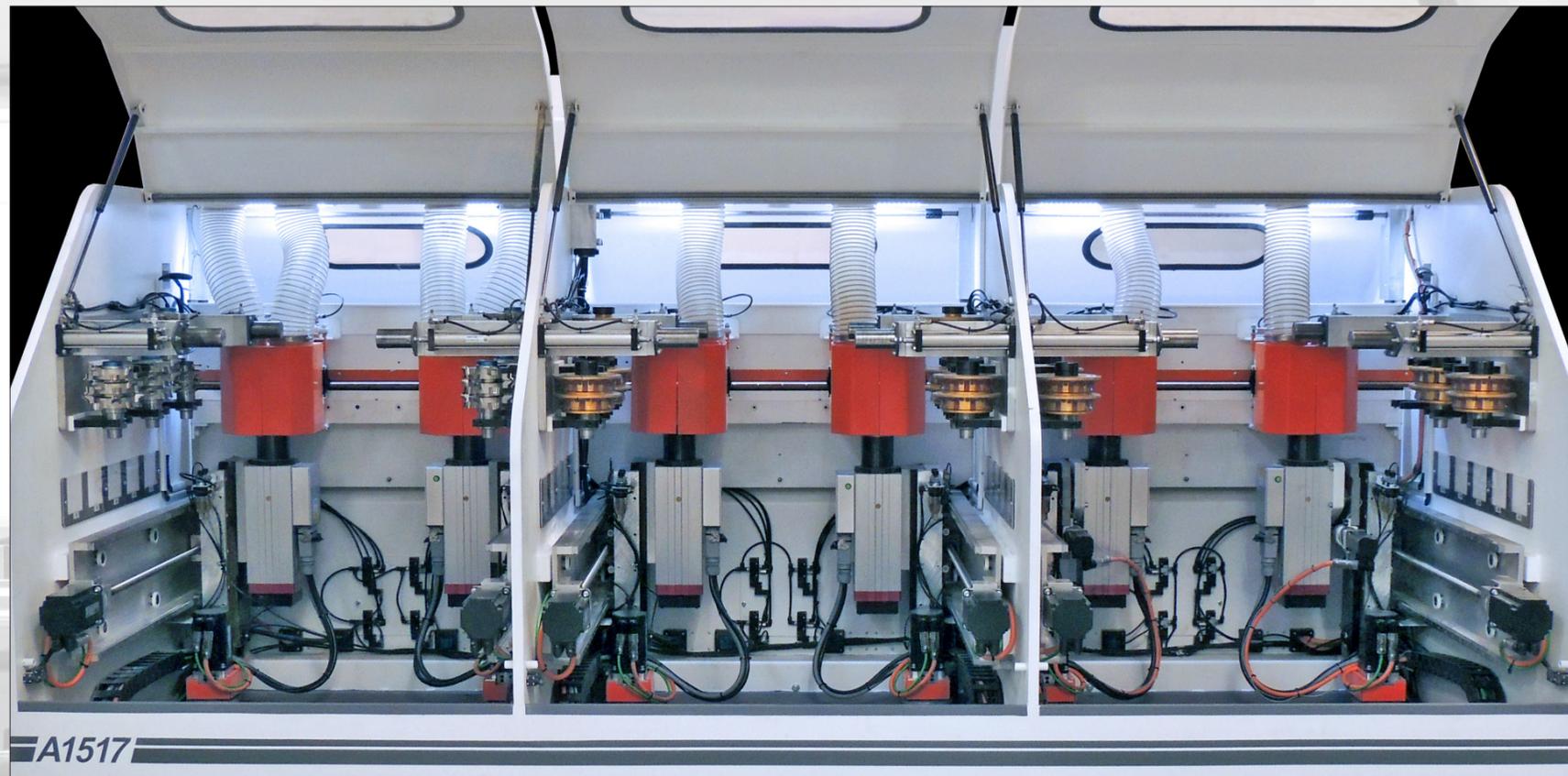
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2350 Barney Street
Anderson, CA 96007
530/365-3311
800/826-0089
Fax: 530/365-3315



The Ability to Contour, Shape, and Finish Sand Material Edges at a High Speed Rate



Precision Built Machinery for the Woodworking Industry



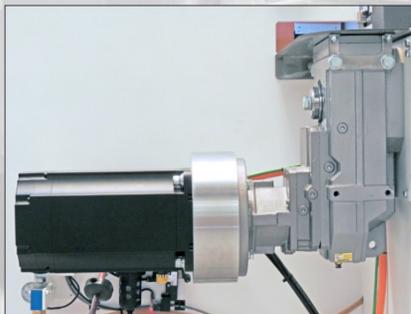
The A1517 is equipped HSK-63F spindles with two shaping and four sanding stations, depending on model and customer requirements. Stock is transported through the machine by two feed chains running parallel with each other providing approximately 5.25" (133.4mm) of contact width. It's rigid structure insures accurate and repeatable tool positioning. The edge guide is mounted parallel with the transport assembly and consists of four sensors capable of automatically measuring the board as it is fed into the machine. Each station is equipped with a pneumatically actuated mist lubrication system, which lubricates all profiled bearings and ball screws.



The transport system incorporates two bottom transport chain assemblies and a combination roller and belt holddown assembly, shown above.

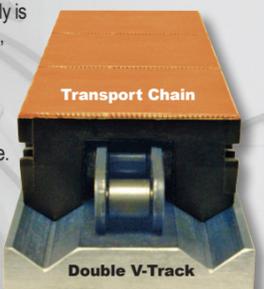


When substrate is loaded against the precision edge guide, the width of the material is automatically measured. As the material is being fed into the machine, contour designs can be automatically scaled to match the width of the substrate.



The transport chain drive assembly consists of a 6.8 hp (5.12 kW) servo drive motor and a 120:1 speed reducer. The drive assembly is capable of transporting material at 4-50 fpm (2.4-13.7 mpm). A PLC controlled oil pump automatically lubricates chain race assemblies.

The transport chain assembly is composed of a urethane top, double v-lug, traveling in a precision machined double V-track, guaranteeing precise linear translation of the part through the machine. The belt holddown consists of a non-marking urethane belt backed by a roller chain that provides holddown pressure every 12.7mm (0.5"). This allows the machine to take very large contour cuts while hanging on to a very small area. It is this technology that makes the Voorwood transport system the most secure and accurate in the industry.



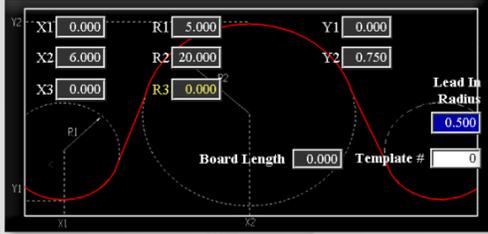
Depending on the model, the machine can be configured with four or six identical HSK-63F spindle motors, to be used in any configuration of shaping and sanding. The spindles are 11.5 hp (8.6 kW), capable of running 6000 to 9000 rpm, and cooled by compressed air. The center of the spindles can be positioned to within 2.250" (34.92mm) of the transport beam allowing smaller tooling to be used closer to the holddown than ever before. Voorwood engineers have designed the most accurate and repeatable positioning system in the industry.



Each tool changer can accept five tool holders that are 5" (127.8mm) long. Each tool holder can accept stacked tooling up to 5" (127.0mm) high with a maximum Ø 7" (177.8mm). Using tools that are 1.5" (38.1mm) thick, each tool changer is capable of a total tool capacity of 15 tools. Voorwood engineers pride themselves on designing machines that are easy to work on. The tool changer was designed to allow clear access to the inside of the machine as well as the holddown area for easy setup and maintenance.

Precision Repeatable Automatic Positioning

Note: Depending on model configuration, photos may differ.



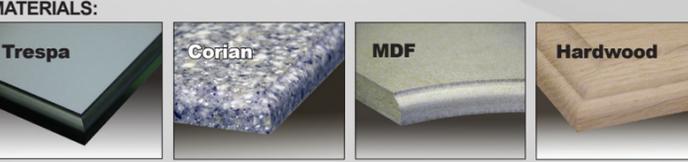
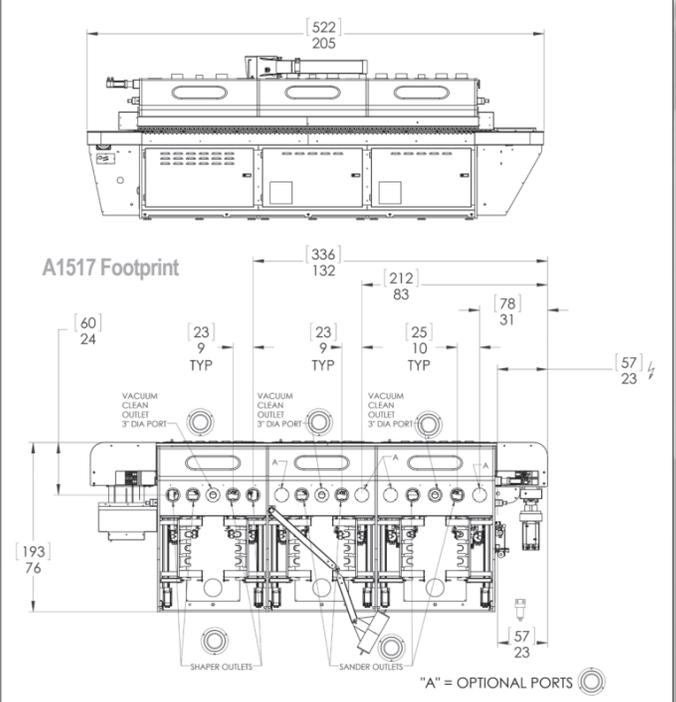
CNC: The A1517 is equipped with an on board design center for the designing of contour cuts. Designs can be viewed to scale on the touchscreen. Automatic downloads of contours from other cad software can be handled on request.

- Contours can be run through the machine in two different modes:
- a) Auto Scale Mode: The ability of the machine to automatically scale a single contour in various pre-programmable ways based on the width of the material being fed into the machine. The width can be automatically measured by the machine or input by the operator.
 - b) Template Mode: The ability of the machine to automatically choose a totally different design based on the width of the material being fed into the machine.
- Regardless of the mode chosen, material can run, one after another, with a minimum spacing of 76mm (3"), and any length contour can be designed and processed.

SUBSTRATE SIZE:

Minimum: Width: 1.5" (38.1mm) plus 2X pattern face width
 Length: 3.5" (88.9mm) plus 2X pattern face width

Minimum part spacing: 6" (152.4mm) (applies to contour cuts only)
 Minimum thickness: .125" (3.2mm)
 Maximum thickness: 2.0" (50.8mm)
 Maximum arch height: The machine will cut a 4.5" (114.3mm) high arch with a Ø 6" (152.4mm) head.



Complete Changeover in 30 seconds!