US CONCEPTS

4336 Gateway Drive, Sheboygan, WI 53081 Phone: 920-451-4774 www.usconceptsinc.com

CSR-750 Automatic CNC Stair Router

Our heavy-duty fully automatic CSR-750CNC stair router used for box stair construction and open stringer construction is designed to operate with speed, precision and minimal setup time. The operator simply picks the stair style, enters the rise, run and number of steps, inserts the board and presses the Start button. As the machine takes over, two high-speed router motors simultaneously cut both left and right hand stringers. The CSR-750CNC will also automatically index the material proper distance and appropriate number of treads. In case of the open stair cycle, the stringers are fed one at a time. The bottom router cuts the board through, then top cutter routes the 45° riser relief if required. A tool change is required for this operation.

The CSR-750CNC is equipped with a 3-axis Industrial CNC package build by FAGOR AUTOMATION. To make operation of this machine as easy as possible, the CNC unit is preprogrammed for most stair routing applications. However, the CSR-750CNC still retains full capability of editing existing programs and entering new ones.

Supplied communication ports allow for easy backup of programs and parameters, networking, remote data entry and remote supervision. For feed speed controls the operator can choose between hardwood, laminate, and softwood. However at any time during machine operation, it can be overridden it by turning the control knob.

MADE IN USA

STANDARD FEATURES

- Heavy Duty construction with Cast Iron arms and walls
- Standard programs
- Standard Box Step Route with Round Nose
- Blunt Nose with Rake or Straight Riser
- Open Plan Route with partial Riser or no Riser
- Temporary Stair Route
- Center Open Horse Cut
- Open Stringer Cut with 45° Riser relief
- No other programming required
- Custom programs available upon request
- Two 5 HP high speed router motors
- Two Adjustable Speed Drive Controllers
- Feed speed up to 300 FPM with manual override
- FAGOR CNC 8055i/A 3-axes package
- Minimal operator training required
- Automatic board advance after every cycle
- Networking and remote data control
- Communication ports: RS323, USB, network
- Top spindle speed adjustment for various cuts
- Reversible bottom spindle
- Lubrication manifold for hard to reach bearings

SPECIFICATIONS

- Machine Dimensions: 94”L x 59”D x 64”H
- Weight: 4200 lbs
- Power Required: 208-230VAC 3PH 30A
- Max. Material Width: 14”
- Material Thickness: 3/4” - 3”
- Tool shank capacity: 3/4” max
- Standard Trenching Tool: 7/8 Dovetail - bit
- Open Stringer cutting Tool: 1/2—3/4”dia x 2”
- Max. Beveling Cutter: 3-1/2” dia.
- Air Requirement: 80 PSI
- Dust Outlet: 8” dia
- Optional Routing Patterns available

Standard Programs:

WMMA
WOOD MACHINERY MANUFACTURERS OF AMERICA
MACHINERY, CUTTING TOOLS AND SUPPLIES

4336 Gateway Drive, Sheboygan, WI 53081
Phone: 920-451-4774 Fax: 920-452-8140
Email: usconcepts@alaark.com
Website: www.usconceptsinc.com

US CONCEPTS