

MFSR - 5 Axis Multi Function Stair Routing Machine

Equipment Features

- Fully programmable CNC (Computer Numerical Control) 5-axis servo driven machine
 - X axis
 - Y axis
 - top Z (top router depth control)
 - bottom Z (bottom router depth control)
 - Axis A (advancing of board)
- Programmable Touch Screen for simpler stair characteristic input by operator
- Programmable Touch Screen for landing cut both top & bottom for open box & contemporary
- Two (2) high frequency routers with 7.5 HP / 24,000 RPM fan-cooled spindles that can accommodate shanks of ½" or ⅝" diameter
- Accepts one or two stringers at a time -¾", 1", 1½" thick for a total of 3" maximum thickness and 7¼" to 15¼" wide
- Extra wide ¾" guide rails for more bearing surface with a 3¼" high fence
- Five (5) cylinder clamps - 3 fixed and 2 adjustable - for up to 2,950# of vertical stringer clamping force. With an additional 1,180# horizontal clamp force for a total of 4,130#
- Self-centering feed system on linear bearings for better support and elimination of wear on the brass parts
- Dust collection cups on each router for clean efficient operation
- Accommodates staircase angles from 20° to 45° and riser kickback from 5° to 11° with landing cut
- Cuts up to ½" deep in yellow pine at the maximum rate of 20" per second and an open stringer in a single cut
- Programmable to cut any combination of box, contemporary, or open stairs with landing cut
- Completes the top and bottom landing cut without additional handling or manual sawing
- Adjustable setting for wedge fit or material variances
- Comes with manufacturer's standard 1 year warranty



12/11/2017
BOX STAIR PROFILE
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TREAD LENGTH	<input type="text" value="11.2500"/>	TREAD THICKNESS	<input type="text" value="01.2500"/>
RISER LENGTH	<input type="text" value="07.5000"/>	RISER THICKNESS	<input type="text" value="00.7500"/>
BOARD WIDTH	<input type="text" value="11.2500"/>	WOOD THICKNESS	<input type="text" value="03.0000"/>
NOSE OVERHANG	<input type="text" value="01.1250"/>	TOP CUT DEPTH	<input type="text" value="00.4375"/>
NOSE CLEARANCE	<input type="text" value="02.0000"/>	BOTTOM CUT DEPTH	<input type="text" value="00.4375"/>
ROUNDED NOSE	<input checked="" type="checkbox"/> YES		
TOP LANDING	<input checked="" type="checkbox"/> ON		
OFFSET	<input type="text" value="+00.7500"/>	NUMBER OF REPEATS	<input type="text" value="05"/>
TOP OF TREAD	<input type="text" value="+00.0000"/>		
BOTTOM LANDING	<input checked="" type="checkbox"/> ON		
OFFSET	<input type="text" value="+00.0000"/>	CUTTING: Bottom Landing	
FRONT OF RISER	<input type="text" value="+03.0000"/>		

Home
Stair Profiles
Wedge Setup
Machine Setup
Maintenance
System Monitor
Alarms
G Code

Available Options

- Multi-bag Portable Vacuum/Dust Collector
- Parts kit for fast handling of user replaceable parts

Specifications

Gross weight	approx. 3,500 pounds
Measures	approx. 8' x 6' 5" x 7'
Cycle time	approx. 10 seconds per 7/11 tread in 1 or 2 stringers
Air requirements	110psi at 15cfm (minimum ¾" diameter unrestricted line)
Electrical requirements	230V 3-phase at 70 amps