

# LEPUS – X

CNC Router and Machining Center (3+1 Axis)



## FEATURES

The 3+1-Axis CNC router and Machining Center LEPUS – X is developed to cut v-channel grooving and similar operations on various composite panels and plates. Thanks to its spindle which can operate in -90, 0 and +90 fixed angles, LEPUS – X can process different sizes of aluminum and PVC profiles and offer a wide spectrum of solutions to the user on demand. The machine is developed to carry out all-in-one milling, drain channel opening, punching, marking and end milling operations on aluminum and PVC profiles, and to perform special non-standard operations on different profiles according to users' requests.

Thanks to its umbrella type automatic tool magazine system with capacity for 10 tools which is positioned on the gantry, LEPUS – X saves time when switching to different operations. Users also can choose extra automatic tool magazine for profile machining option with capacity for 2 tools and it can host 2 angle heads or 6" diameter saw blade at the same time. In addition, LEPUS - X enables processing of aluminum, wooden, PVC / vinyl and various materials by replacement of the milling cutter.

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### MACHINING LENGTHS

X Axis (Longitudinal)	79" (2000mm)
Y Axis (Lateral)	158" (4000mm)
Z Axis (Vertical)	12" (300mm)

### POSITIONING SPEED

X Axis (Longitudinal)	4250" (107m) / min
Y Axis (Lateral)	4250" (107m) / min
Z Axis (Vertical)	410" (10m) / min

### SPINDLE

Maximum power	7.5/9 kW
Maximum rotation speed	24000 rpm
Tool holder	ISO 30
Cooling type	Electro Fan

### TOOL STORAGE

Tool storage system with umbrella ATC	•
Maximum tool storage system number with umbrella ATC	10
Tool storage system with stationary ATC	•
Maximum tool storage system number with stationary ATC	2
Maximum saw blade diameter in to the storage system	5 <sup>15</sup> / <sub>16</sub> " (150mm)
Max. dimension of the tools that can be loaded into the mag. (D / L)	5 <sup>1</sup> / <sub>2</sub> " (140mm) / 4 <sup>3</sup> / <sub>4</sub> " (120mm)
Number of angle units that can be loaded in the tool magazine	2

### OPERATIONAL AREA

Profile machining	○
Smart vacuum zoning system with vacuum modules	•
Vacuum table module tube size	10 <sup>5</sup> / <sub>8</sub> " (270mm) x 78 <sup>3</sup> / <sub>4</sub> " (2000mm)
Number of vacuum modules with double vacuum tubes	7
Pneumatic reference stop for panel positioning along X axis	1
Pneumatic reference stops for panel positioning along Y axis	4
Pneumatic clamps on work table for clamping profiles	○
Automatic tool length measurement	•
Automatic lubrication in processing area	○
Operate with double stations	•
Photoelectric barrier system to protect access to work zone	○
Metal fence protecting three sides	•
Safety cabinet over machining head	○
Dust extractor	•
Smart CAM post processing	•

### CONTROL UNIT

Touchscreen	15" (380mm) HMI
Remote Access	•
Data transfer via Ethernet and USB	•
Barcode reader	○

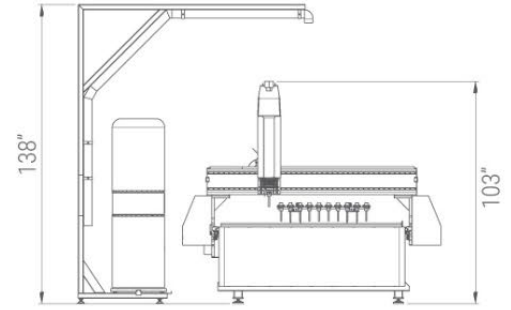
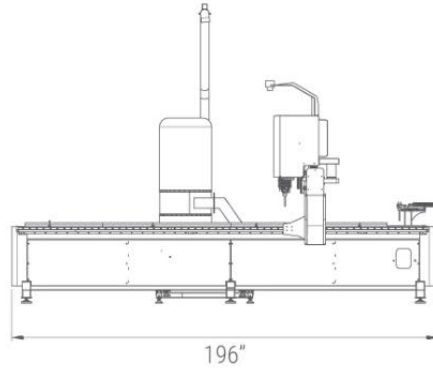
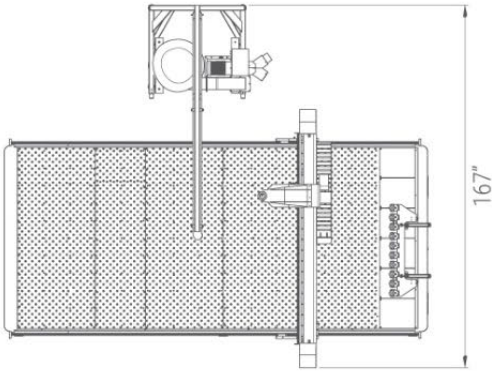
### PROCESSABLE UNITS

With direct tool (upper surface, lateral surfaces, heads)	5
With saw blade (upper surface, heads)	3

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