

LEPUS – X

CNC Controlled Panel and Profile Machining Center (3 Axis)



The 3-Axis CNC controlled panel and profile processing machine LEPUS – X is developed to cut v-channel opening 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 150 mm diameter saw blade at the same time.

In addition, LEPUS - X enables processing of aluminum, wooden, plastic and various materials by replacement of the milling cutter.



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MACHINING LENGTHS

X Axis (Longitudinal)	2000 mm
Y Axis (Lateral)	4000 mm
Z Axis (Vertical) – without tool	300 mm

POSITIONING SPEED

X Axis (Longitudinal)	108 m/min
Y Axis (Lateral)	108 m/min
Z Axis (Vertical)	10.5 m/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	150 mm
Maximum dimension of the tools that can be loaded into the magazine (Diameter / Length)	140 mm / 120 mm
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	269 mm * 2000 mm
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" HMI
Remote Access	●
Data transfer via remote network connection, Ethernet and USB	●
Barcode reader	○

PROCESSABLE UNITS

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

● Included

○ Optional