LEPUS - X

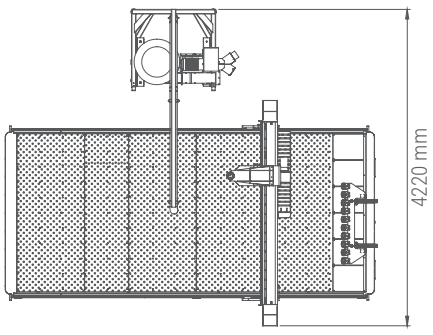
CNC ACP Processing Machine (3 Axis, Tool Magazine) - 4 m

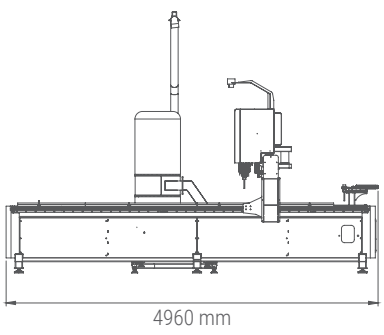


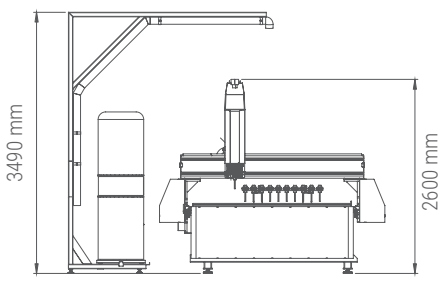
The 3-Axis CNC controlled panel and profile processing machine LEPUS – X is developed to cut v-channel opening and similar operations on various composite panels and plates. Thanks to its spindle which can operate in -90, 0 and +90 fixed angles, LEPUS – X can process different sizes of aluminum and PVC 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 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.







LEPUS - X

CNC Aluminum Composite Panel Processing Machine (3 Axis)

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

TOTAL POWER CONSUMPTION — 25.5/27 kW

SPINDLE	
Power	7.5/9 kW
Maximum rotation speed	24000 rpm
Tool Holder	ISO 30
Cooling Type	Elektro Fan
POWDER SUCTION	
Power	3 kW
Engine rpm	3000 rpm
VACUUM PUMP	
Power	2 x 7.5 kW
Engine rpm	3000 rpm

TOOL STORAGE

Automatic tool storage system	●
Maximum tool storage system number	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)	150 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	●
Pneumatic reference stop for panel positioning along X axis	1
Pneumatic reference stops for panel positioning along Y axis	4
Automatic tool length measurement	●
Automatic lubrication in processing area	○
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	○

● Standard ○ Optional

Özçelik Makina continuously improves its products and offers new and modern solutions for PVC and Aluminum Profile Processing. Accordingly, Özçelik reserves the right to change the information in this document without notice. All dimensions and weights are reference values. Valid from January 2023