

DIVISIO 3100



Description

The DIVISIO 3100 is an automatic inline depaneling system with the smallest footprint. It is the ideal solution for separating single-row, frameless panels.

The machine has an X/Y/Z-axis system above the transport level and can be equipped with a saw or router. PCB positioning is done with an integrated stopper unit mounted at the X-axis. Therefore routing could be done at free definable Y-positions. Restriction is that no waste could be handled (e.g. borders, waste corners). With the divided transport system inside the machine the PCB can be separated.

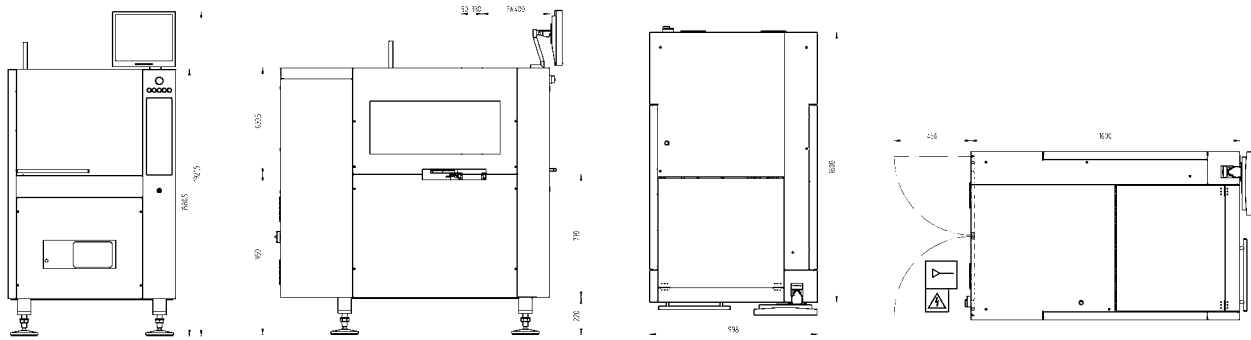
Subsequently the cut PCB can be transferred out of the machine. The manual width adjustment is done by a clamping lever.

Options

- _ Saw module or routing spindle 500W
- _ ASYCAM CAD data conversion
- _ Dust extraction
- _ Camera system
 - + Fiducial recognition
 - + Cut inspection
 - + Teach function
 - + Correction function
 - + Bad mark recognition
 - + Code read
- _ Automatic width adjustment
- _ MES interface

Features

- _ Linear motors for highest dynamics and accuracy
- _ Segmental inlet
- _ Complete tool management
 - + Breakage control
 - + Length verification
 - + Diameter check
 - + Life span monitoring
 - + Dynamic utilization of full router bit
- _ Automatic tool change
- _ Ionization unit
- _ Automatic maintenance schedule



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Routing and/or sawing

Machine Configuration

Transport height	850mm ±50mm
Max. transport width	330mm
Operating side	Front of the machine

Panel Dimensions

Panel length	50 to 360mm
Panel width	50 to 330mm
Panel thickness	0.8 to 4.5mm
Panel weight max.	4.5kg
PCB weight max.	2.25kg
Component height, spindle-side	8mm; partial 18mm (other height on request)
Component height, transport-side	40mm

Installation Requirements

Power supply	400V, 208V 50/60Hz, ±10%
Power supply system	3L + N + PE
Fuse protection	3x C32 A
Connection type	Fixed connection
Power consumption (without suction)	0.6kW
Air supply	6bar
Air consumption	120NI/min

Machine Description

Length x Width x Height	1000 x 1600 x 1580mm
Weight	1150kg (standard equipped)
Axis speed max.	X/Y= 1000mm/s, Z= 500mm/s
Axis acceleration max.	X/Y= 10m/s ² , Z= 15m/s ²
Positioning	±0.01mm (20°C ±1°C)
Repeatability	±0.005mm (20°C ±1°C)
Cut accuracy	±0.08mm with Vision System (20°C ±1°C) ±0.12mm without Vision System (20°C ±1°C)
Noise Level	< 75dB(A) (possible deviations due to material mix of the panel)

**ASYS
GROUP**

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