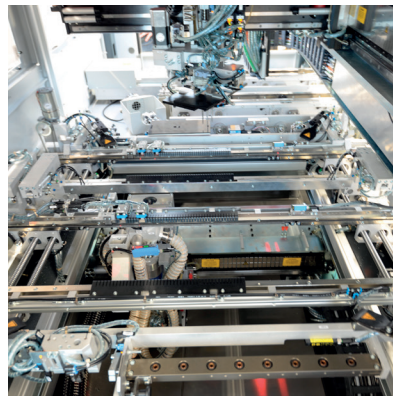


DIVISIO 5100 Dual



Description

The DIVISIO 5100 Dual is top of its class in flexible, high-speed depaneling systems.

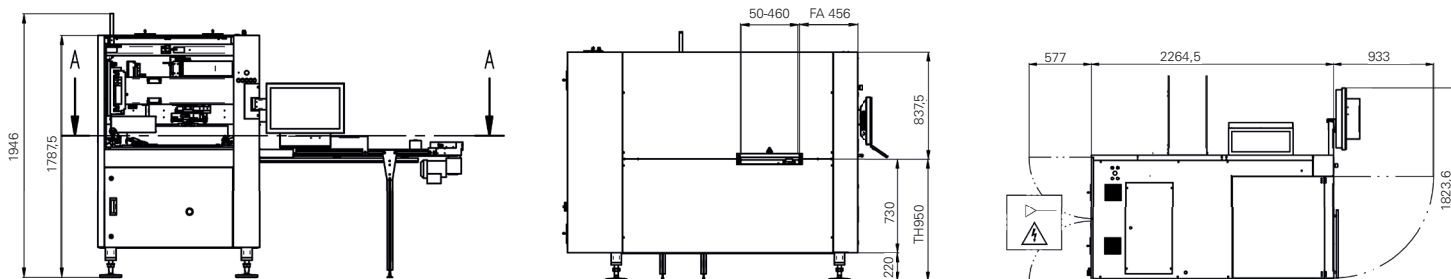
The machine is only 1200 mm long and has two working areas of 330 mm x 250 mm. The modular frame construction leaves enough room for installation of for example a carrier circulating system or an underfloor conveyor with integrated lift device. The system has two inlet and two outlet conveyors. Thereby the system is able to work on two different products by a demand-driven process. Due to the requirement of smaller footprint the switch cabinet is on top (option). The handling gripper axis is made of carbon fiber reinforced plastic, ensuring high stiffness and accuracy.

Features

- _ Positioning system with CFK- Axis
- _ Linear motor and linear measurement system in X and Y axes
- _ Ionisation unit
- _ Automatic tool change
- _ Complete tool management
 - + Breakage control
 - + Length verification
 - + Diameter check
 - + Life span monitoring
 - + Dynamic utilization of full router bit
- _ Automatic maintenance schedule

Options

- _ Automatic gripper finger changeover
- _ Camera system
 - + Fiducial recognition
 - + Cut control
 - + Program creation with teach function
 - + Camera correction
 - + Bad mark recognition
 - + Code reading
- _ Vacuum exhaust system
- _ Manual suction unit
- _ Low pressure control
- _ Automatic product changing
- _ ASYCAM CAD data import
- _ Customer-specific transport modules
- _ Customer specific data interface
- _ Global remote control
- _ Switch cabinet on top, on side or detached



DIVISIO 5100 Dual

Routing

Machine Configuration

Transport height	850 mm \pm 50 mm
Max. transport width	330 mm
Interface	Siemens, SMEMA
Transfer direction	From left to right
Operating side	Front of the machine
Fixed rail	Front of the machine

Panel Dimensions

Panel length	70 mm to 330 mm
Panel width	50 mm to 250 mm
Panel thickness	0.8 to 5.0 mm
Panel weight max.	4 kg
PCB weight max.	1,5 kg
Component height, spindle-side	8 mm; partial 18 mm (other height on request)
Component height, gripper-side	40 mm
Trays on lane 2	600 x 400 mm

Installation Requirements

Power supply	400 V, 208V 50 / 60 Hz, \pm 10%
Power supply system	3L + N + PE
Fuse protection	3 x C16 A without ELCB
Power consumption	3,6 kW
Air supply	6 bar
Air consumption	120 NI/min

Machine Description

Length x Width x Height	1200 x 2265 x 1688 mm
With switch cabinet on top (option)	3020 mm
Weight	1900 kg (standard equipped)
Speed	X,Y= 2000 mm/sec, Z= 1000 mm/sec
Acceleration	X,Y= 20 m/s ² , Z= 15 m/s ²
Positioning	\pm 0,02 mm (bei 20°C \pm 1°C)
Repeatability	\pm 0,005 mm (bei 20°C \pm 1°C)
Cut accuracy	\pm 0,08 mm with Vision System (20°C \pm 1°C) \pm 0,12 mm without Vision System (20°C \pm 1°C)
Noise Level	< 75 dB(A) (possible deviations due to material mix of the panel)

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