

## DIVISIO 5100 Dual



### Description

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

The machine is only 1200mm long and has two working areas of 330mm x 250mm. The modular frame construction leaves enough room for installation of for example a carrier circulating system or an underfloor conveyor with integrated lift device.

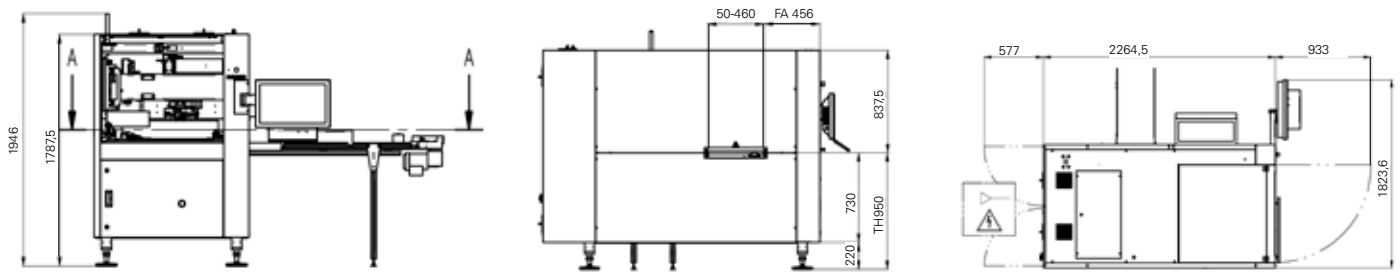
The system has two inlet and two outlet conveyors. Thereby the system is able to work on two different products by a demand-driven process. Due to the requirement of smaller footprint the switch cabinet is on top (option). The handling gripper axis is made of carbon fiber reinforced plastic, ensuring high stiffness and accuracy.

### Features

- \_ Positioning system with CFK-axis
- \_ Linear motors for highest dynamics and accuracy
- \_ 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
- \_ Camerasystem
  - + Fiducial recognition
  - + Cut inspection
  - + Teach function
  - + Correction function
  - + Bad mark recognition
  - + Code read
- \_ Manual suction unit
- \_ Low pressure control
- \_ Automatic product change
- \_ Offline programming
- \_ ASYCAM CAD data conversion
- \_ Customized transport modules
- \_ Switch cabinet on top, on side or detached



## DIVISIO 5100 Dual

### Routing

#### Machine Configuration

Transport height	850mm ±50mm
Max. transport width	330mm
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 to 330mm
Panel width	50 to 250mm
Panel thickness	0.8 to 5.0mm
Panel weight max.	4kg
PCB weight max.	1.5kg
Component height, spindle-side	8mm; partial 18mm (other height on request)
Component height, gripper-side	40mm
Trays on lane 2	600 x 400mm

#### 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)	0.8kW
Air supply	6bar
Air consumption	120NI/min

#### Machine Description

Length x Width x Height	1200 x 2265 x 1688mm
With switch cabinet on top (option)	3020mm
Weight	1900kg (standard equipped)
Axis speed max.	X,Y= 2000mm/s, Z= 1000mm/s
Axis acceleration max.	X,Y= 20m/s <sup>2</sup> , Z= 15m/s <sup>2</sup>
Positioning	±0.02mm (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)

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