

DIVISIO 5000/5100



Description

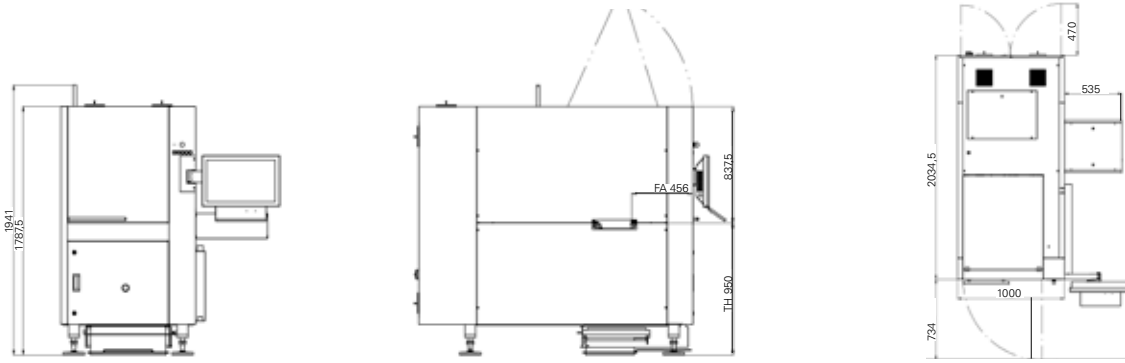
The DIVISIO 5000/5100 is top of its class in flexible, high-speed depaneling systems. The machine is only 1000mm / 1200mm long and has a working area of 330 x 350mm / 460 x 460mm. The modular frame construction leaves enough room for installation of for example a carrier circulating system or an underfloor conveyor with integrated lift device. The machine consists of 2 lanes which can be configured according to the customer's demands. The PCB panel enters the machine on lane 1 where it is routed and the routed PCBs are subsequently transferred via a gripper to lane 2. 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
- _ Dust extraction
- _ Manual suction unit
- _ Low pressure control
- _ Automatic product changing
- _ ASYCAM CAD data conversion
- _ Customized transport modules
- _ Customized data interface
- _ Global remote control
- _ Switch cabinet on top, on side or detached



DIVISIO 5000/5100

	DIVISIO 5000	DIVISIO 5100
	Routing	Routing
Machine Configuration		
Transport height	850mm ±50mm	850mm ±50mm
Max. transport width	330mm	460mm
Interface	Siemens, SMEMA	Siemens, SMEMA
Transfer direction	From left to right	From left to right
Operating side	Front of the machine	Front of the machine
Fixed rail	Front of the machine	Front of the machine
Panel Dimensions		
Panel length	70 to 350mm	70 to 460mm (508mm)
Panel width	70 to 330mm	50 to 460mm
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	400 x 300mm	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	3.6kW	
Air supply	6bar	
Air consumption	120NI/min	
Machine Description		
Length x Width x Height	1000 x 2035 x 1688mm	1200 x 2265 x 1688mm
With switch cabinet on top (option)	3120mm	3020mm
Weight	1800kg (standard equipped)	1900kg (standard equipped)
Axis speed max.	X,Y= 2000mm/s, Z= 1000mm/s	
Axis acceleration max.	X,Y= 15m/s ² , Z= 15m/s ²	
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)	
Upgrades		
Machine networking via IC Net		