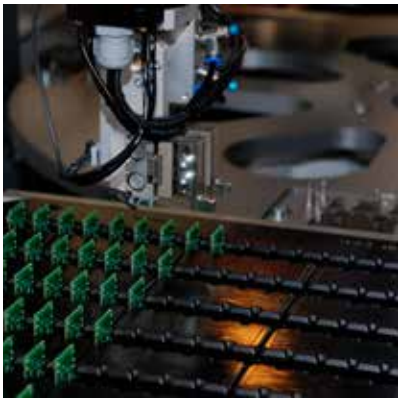
Automatic Rotary Table Depaneling System **DIVISIO** 6000 Series

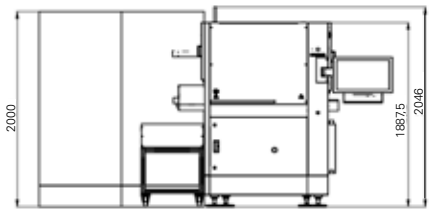
DIVISIO 6000

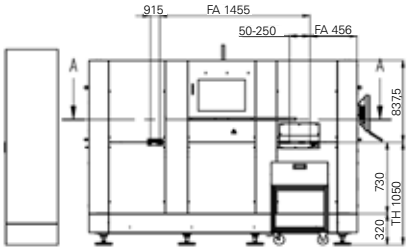


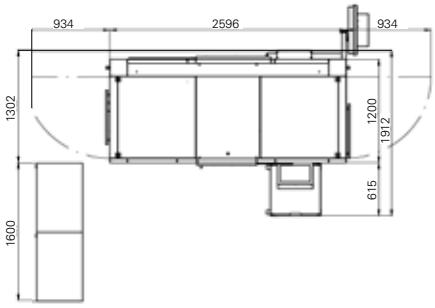
Description
The DIVISIO 6000 is a high dynamic depaneling system for maximum output. The module units are split in the following processes: “depaneling“, “final assembly“ and “feeding next process“. By this it is possible to adapt to speed or process-applications.
The cut curcuits will be laid down on the centrally placed turntable by the carbon-fibre-axis in the front. The “final assembly“ is carried out on the turntable. At the same time the second carbon-fibre-axis takes the finished circuits at the other side of the table and sorts them into a freely choosable outlet.
By using parallel processes the DIVISIO 6000 can run optimum cycle times.

Features
_ 2 carbon-fibre handling axis
_ Linear motors for highest dynamics and accuracy
_ Ionisation unit
_ Segmental inlet
_ Quick exchange of gripper finger
_ 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
_ Unloading system with servo rotating module (C-axis)
_ 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







DIVISIO 6000

Machine Configuration	
Transport height	850mm ±50mm
Max. transport width	**460mm**
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	20 to 460mm (others on request)
Panel width	20 to 460mm (others on request)
Panel thickness	0.8 to 5mm
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
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)	min. 0.7kW (depending on the additive processes)
Air supply	6bar
Air consumption	120Nl/min
Machine Description	
Length x Width x Height	1200 x 2960 x 1688mm
Weight	2800kg (standard equipped)
Axis speed max.	X,Y= 2000mm/s, Z= 1000mm/s
Axis acceleration max.	X,Y= 20m/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	

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