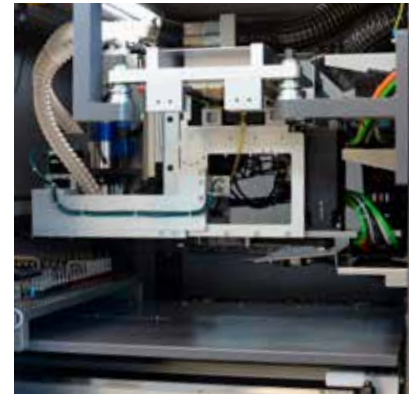


DIVISIO 2200



Description

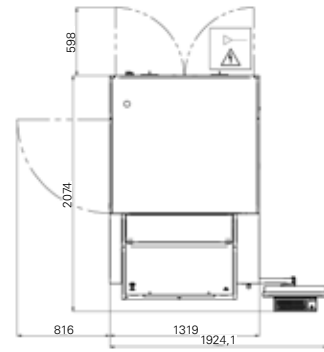
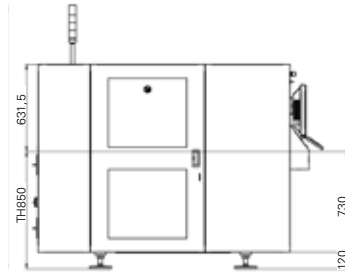
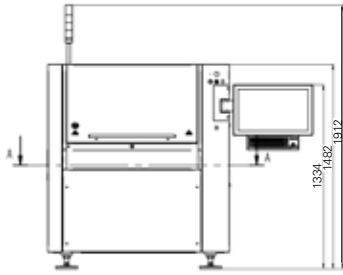
The DIVISIO 2200 is a semi-automatic depaneling system with manual load/unloading utilizing a single shuttle system. Using only one working area allows a higher flexibility because the available PCB area can be increased compared to other machines. This means that the DIVISIO 2200 is especially suitable for low volume manufacturing with a high product mix. Another field of application is prototyping. High technology panelized printed circuit boards require a precise stress free depanelizing process to prevent damage of the PCBs. The depaneling system is based on a rigid, stable substructure of welded steel construction. Due to its stability, this frame base absorbs the speeds of the integrated linear motors and assures a fast, accurate and smooth operation. At this split axes system the spindle is mounted on the X/Z-axis on top side of the routing level. The Y-axis moves the fixture. The panel sits in a fixture during the cutting process (option). An operator loads and unloads the fixture into the drawer manual. The automatic router-bit exchange can handle the 4-fold router-bit magazine.

Features

- _ Single shuttle system with sliding cover for manual opening and loading/unloading
- _ Calibration of the camera is done in less than 2 minutes
- _ Linear axis system with magnetic scale for high accuracy
- _ Cutting method: Routing from top
- _ Linear drive for X/Y-axis
- _ Working area: 530mm x 530mm

Options

- _ RGB light
- _ Integration of various adapter types
- _ Camera system fiducial mark recognition
- _ Software module check of routing quality
- _ Fiducial illumination by LED backlighting
- _ Different dust extractions
- _ Extended ionisation unit
- _ ASYCAM CAD data conversion
- _ Automatic pin placement
- _ Offline programming



DIVISIO 2200

Routing

Machine Configuration

Transport height	920mm ±50mm
Operating side	Front of the machine

Panel Dimensions

Panel length	50 to 530mm
Panel width	50 to 530mm
Panel thickness	0.5 to 4.5mm
Panel weight max.	4.5kg
Component height, spindle-side	8mm; partial 18mm (other height on request)
Component height, adapter-side	40mm (depending of fixing pins)

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	4.9kW (depending on vacuum cleaner)
Air supply	6bar
Air consumption	120NI/min

Machine Description

Length x Width x Height	1000 x 1970 x 1482mm
Weight	~900kg (standard equipped)
Axis speed max.	X,Y= 2000mm/s, Z= 1000mm/s
Axis acceleration max.	X,Y= 20mm/s ² , Z= 15mm/s ²
Positioning	≤ ±0.01mm (20°C ±1°C)
Repeatability	≤ ±0.005mm (20°C ±1°C)
Depaneling accuracy	±0.08mm with Vision System (20°C ±1°C) ±0.12mm without Vision System (20°C ±1°C)
Noise	< 75dB(A) (possible deviations due to material mix of the panel)

**ASYS
GROUP**

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