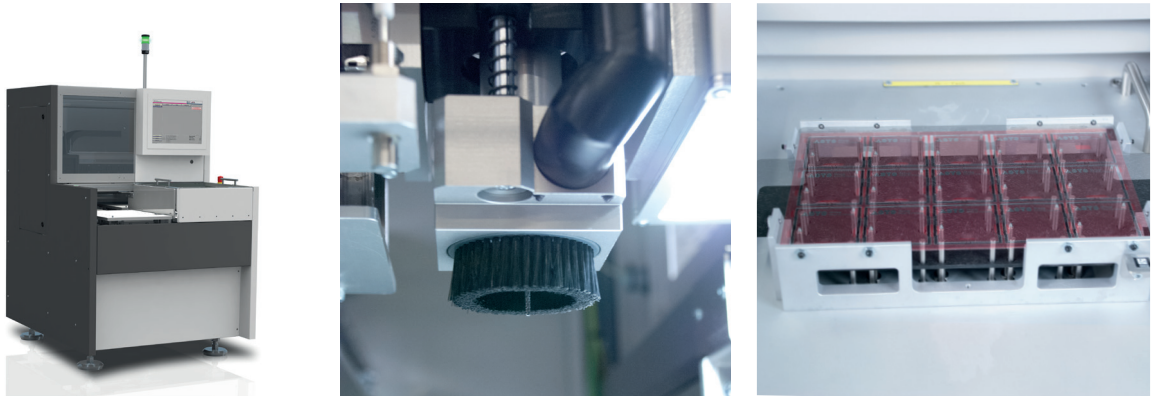


DIVISIO 1000 Easy Duo



Description

The DIVISIO 1000 Easy Duo is the ideal entry-level machine for low-stress, automatic PCB depaneling applications.

With a footprint of only 1.2 m² and a working area of 2 times 350 mm x 400 mm, it is the smallest solution for depaneling with a milling cutter.

The machine is ideal for the production of prototypes, small batches and as a backup for inline production.

The dynamic milling axis is installed above the 2 drawer shuttle system. The X and Y-axis are driven with linear motors whereas the Z-axis is pneumatic driven.

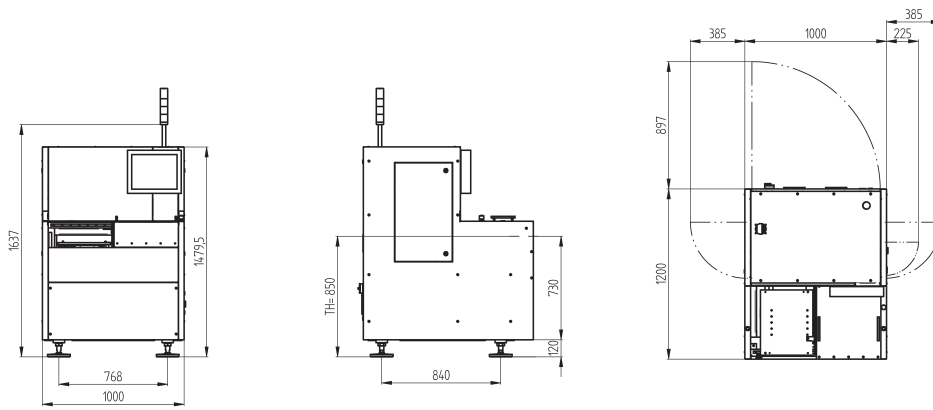
What makes this system particularly interesting is the standard integration of a camera system for fiducial recognition and image guided program generation.

Features

- _ Camera
 - + Fiducial recognition
 - + Program creating with teach function (VTS)
 - + Camera correction (VPC)
 - + DMC reading (to max.9x16mm)
- _ X- and Y-axis with high-end linear motors
- _ Pneumatic Z-axis
- _ 2 drawer shuttle system
- _ Manual tool change
- _ Tool management
 - + Life span monitoring
- _ Automatic maintenance schedule

Options

- _ Program creation with ASYCAM CAD import
- _ Ionization unit
- _ Vacuum exhaust system
- _ Adapter technology
 - + Product-specific adapters
 - + Flexible adapter technology
 - + Adapter coding by barcode
- _ Z-axis servo-motor driven



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Machine Configuration

Transport height	850 mm ± 50 mm
Operating side	Front of the machine

Panel Dimensions

Panel length	50 to 400 mm
Panel width	50 to 350 mm
Panel thickness	0.5 to 4.5 mm
Panel weight max.	4,5 kg
Component height, spindle-side	8 mm; partial 18 mm (other height on request)
Component height, adapter-side	40 mm; partial 70 mm (depending of fixing pins)

Installation Requirements

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

Machine Description

Length x Width x Height	1000 x 1200 x 1480 mm
Weight	800 kg (standard equipped)
Axis speed max.	X,Y= 1000 mm/s, Z= pneumatic
Axis acceleration max.	X,Y= 10 m/s ² , Z= pneumatic
Positioning	≤ ± 0,01 mm (20°C ±1°C)
Repeatability	≤ ± 0,005 mm (20°C ±1°C)
Depaneling accuracy	± 0,08 mm with Vision System (20°C ±1°C)
Noise	< 72 dB(A) (possible deviations due to material mix of the panel)