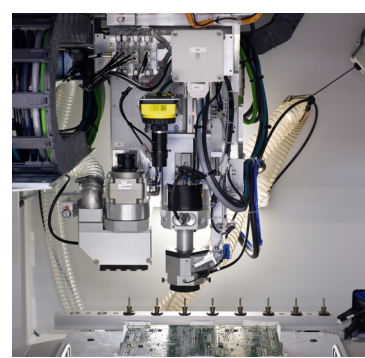
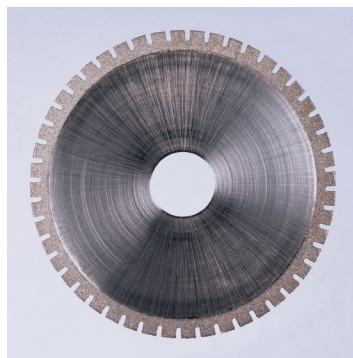


TopRouter Depaneling System



- High speed, low stress separating process
- Top side routing and/or sawing
- Linear motor technology
- TS1 HMI
- Router bit breakage detection and life monitoring
- Loading/Unloading during depaneling process
- Turntable concept with two fixtures
- Automatic Router bit exchange



TopRouter Depaneling System

PCB Specification	
Working area (L x W):	Routing: 450 x 370 mm
	Sawing: 440 x 340 mm
	Twin Spindle Routing Area: 416 x 370 mm
	Twin Spindle Sawing Area: 416 x 340 mm
Component height (top side):	8 mm
Component height (bottom side):	30 mm
Process Specification	
X-Y Actuation:	Linear motor for linear and non-linear movements
Z Actuation:	Servo
C Actuation:	Saw: Pneumatic Actuation: 0° - 90°
Separating Accuracy:	± 0,1 mm
Cutting Speed (Routing):	up to 60 mm/sec
Cutting Speed (Sawing):	up to 200 mm/sec
Router bit exchange:	Automatic
Router bit diameters:	0,8 - 3,1 mm
Saw blade exchange:	Manual
Saw blade thickness:	0,3 - 0,8 mm (others on request)
Dust exhaustion:	Bottom side with external industrial vacuum cleaner
Technical Specification	
Protection screens:	ESD-safe working area, ionized air supply to working area
Energy requirements:	3 x 208/400 V AC, 50/60 Hz, 5 kVA
Compressed air:	6 bar, min 100 NL/min, according to DIN ISO 8573 3.4.5
Color:	RAL 7035 ESD Safe
Dimensions (L x D x H):	1.000 x 1.900 x 1.840 mm
Weight:	ca 1.100 kg
Interface:	TS1
Standards:	CE
Options	
	Fiducial recognition
	1D/2D Code Reader
	Fixture detection
	Routing program generator based on .DXF or gerber data
	Traceability software (CamX)
	Twin Spindle (Sawing and Routing side by side)
	Pass/Fail Indication using beamer

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