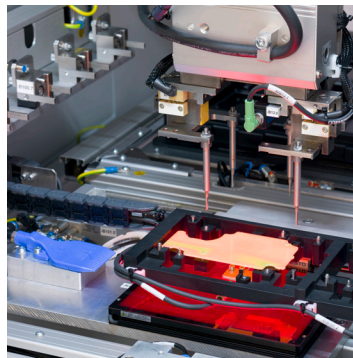
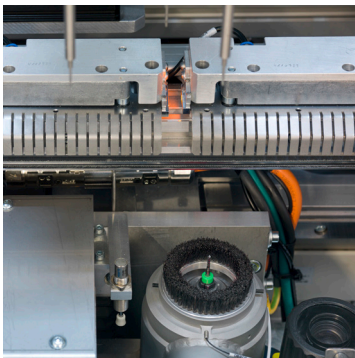


# FlexRouter II

## Flexible depaneling system



- High speed, low stress separating process
- Automatic change-over within less than 30 seconds
- Flexible servogripper with 100mm stroke
- Automatic position correction with fiducial measurement
- Small footprint with 1000 mm cell width
- Multi level use of router bits for increase of lifetime
- Automatic router bit exchange and rejection of worn out bits
- Intuitive and user friendly HMI (TS1)



# FlexRouter II

## Flexible depaneling system

### PCB Specification

Working area (L x W):	330 x 400 mm (other sizes on request) 400 x 400 mm (without buffer position at infeed conveyor)
Minimum PCB size:	20 x 20 mm
Panel Size (L x W)	max 400 x 400 mm
Panel Ratio:	0,8 (length $\geq$ 0,8 x width)
Panel Thickness:	0,8 - 4 mm
Component height (top side/bottom side):	50 mm / 8 mm
Panel Edge support:	5 mm
Panel Weight:	2,5 kg

### Process Specification

X-Y Actuation / Z Actuation	Linear motor / Servo
Gripper Actuation:	Servo, 0-360°
Separating Accuracy:	$\pm$ 0,1 mm
Cutting Speed (Routing):	up to 60 mm/sec
Router bit exchange:	Automatic
Router bit diameters:	0,8 - 3,1 mm
Dust exhaustion:	Bottom side with external industrial vacuum cleaner

### Technical Specification

PCB Exchange time	5,5 s
Infeed Conveyor:	Edge Belt Conveyor (Automatic width adjustment)
Transport height:	940 - 965 mm, SMEMA
Transport direction:	L $\Rightarrow$ R, R $\Rightarrow$ L (to be specified at time of order)
Protection screens:	ESD-safe working area, ionized air supply to working area
Controller:	Beckhoff SPS
Energy requirements:	3 x 208/400 V AC, 50/60 Hz, 3 kVA
Compressed air:	6 bar, min 100 NL/min, according to DIN ISO 8573 3.4.5
Color:	RAL 7035 ESD with applications in RAL 3000 ESD
Dimensions (L x D x H):	1.000 x 2.200 x 2.000 mm
Weight:	ca 1.600 kg
Interface:	TS1
Standards:	CE

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