

# TopRouter Depaneling System

PRODUCTION  
AUTOMATION



- Low-Cost Stand-Alone Router
- Stress Reduced Depaneling
- Routing and/or Sawing
- Automatic Tool Change
- Operator Friendly Interface
- Turntable Concept for Parallel Routing and Loading/Unloading
- Low-Maintenance spindle

**OPTC**  
EXPERTS IN FACTORY AUTOMATION

# TopRouter Depaneling System

Technical Specification	
PCB Dimensions (L x D):	
One Router:	450 x 380 mm (17.7 x 14.9")
One Saw:	450 x 365 mm (17.7 x 14.3")
Two Routers:	450 x 380 mm (17.7 x 14.9")
Combi Saw/Router (Saw):	Saw: 365 x 325 mm (14.3 x 12.7")
Combi Saw/Router (Router):	Router: 450 x 380 mm (17.7 x 14.9")
Max Component height:	
Top side:	30 mm (1.1") outside or 8 mm (0.3") inside routing area
Bottom side:	100 mm (3,9")
Positioning Accuracy:	± 0.05 mm (0.002")
Repeatability:	± 0.02 mm (0.0008")
Routing Accuracy (mechanical system):	± 0.1 mm (0,004")
Routing Accuracy (optical system):	± 0.08 mm (0,003")
Rotation Speed of Router Bit:	up to 50,000 rpm
Rotation Speed of Saw:	up to 20,000 rpm
Router Speed with Router Bit:	up to 60 mm/s (2.3"/s)
Router Speed with Saw:	up to 200 mm/s (7.8"/s)
Machine Dimensions:(L x D x H)	1,000 x 1,300 x 1,814 mm (39.3 x 51.1 x 71.4")
Weight:	Approx. 600 kg
Color:	RAL 7035
Energy requirements:	3 x 400 V, 50/60 Hz, other on request
Compressed air:	6 bar, min 40 NL/min, according to DIN ISO 8573 3.4.5
Operating System:	Windows 2000 Professional
Options	
Automatic tool changing with ten-fold magazine	
Carrier (Fixture) identification	
Vacuum/pressed air for active fixtures	
Ionisation	
Vacuum cleaner with vacuum detection	
Vision System for teaching	
Vision System for position correction (fiducials, holes)	
.dxf-DIN 66025 converter for off line programing	
Bar code or 2 D matrix reader	



## ■ EUROPE

IPTE n.v.  
Industriezone 9  
Geleenlaan 5  
3600 Genk  
Belgium  
Tel.: +32 (0)89 623 000  
Fax.: +32 (0)89 623 010  
email: info@ipte.com

## ■ AMERICAS

IPTE, LLC  
1235 Old Alpharetta Road  
Suite 110  
Alpharetta, GA 30005  
USA  
Tel.: +1-770-360 5523  
Fax.: +1-770-360 9105  
email: info@ipte.com

## ■ ASIA PACIFIC

IPTE Asia Pacific Pte Ltd  
10 Bukit Batok Crescent  
#07-07  
The Spire  
Singapore 658079  
Tel.: +65 6274 4688  
Fax.: +65 6274 4088  
email: info@ipte.com