

# CENCORP

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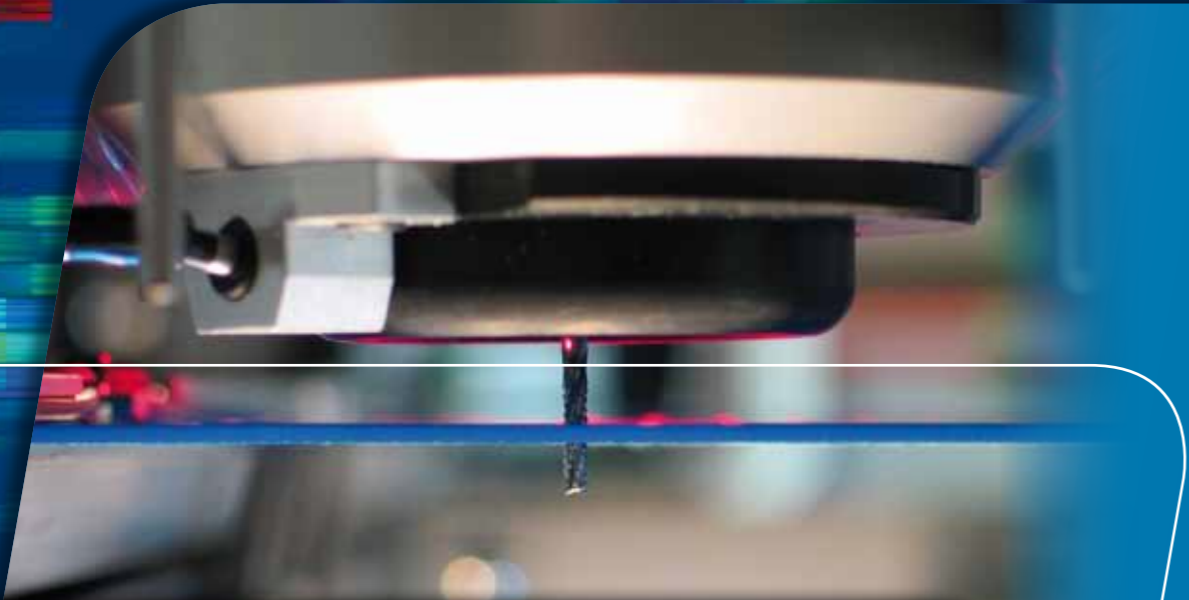
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## CENCORP 1300 SR





## New Cencorp Off-line Router

Cencorp, market leaders in the supply of routers for over 25 years have introduced the next generation of depaneling systems in the form of the 1300 SR off-line router. This new stand-alone router's modular concept allows multiple configurations to match process requirements and its new design allows better access to the machine for operator convenience and a larger routing area enabling the use of larger panel sizes. The Cencorp 1300 SR offers excellent price performance and is simple, flexible and meets most production requirements.

### Robust and Accurate

The Cencorp 1300 SR's robust platform enables extremely high accuracy production and its modular concept allows Cencorp to adapt the machine to meet your individual needs, maximising return on investment. This system has the capability and reliability demanded by today's competitive market.

The 1300 SR accommodates both v-scored and pre-routed panel designs and automatic tooling changes combined with

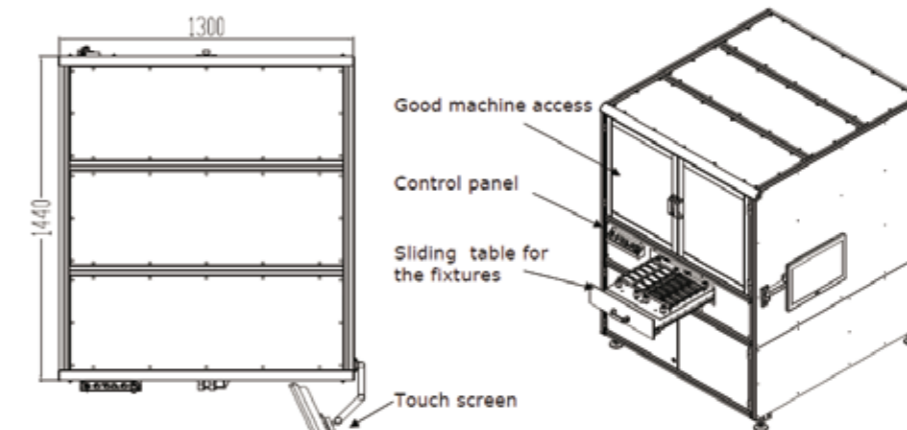
automatic product verification make this system a perfect fit for high mix environments. Two different configurations are available within the same platform, the rotary table with very short load/unload times for continuous production or single sliding table machine and any upgrades can be completed on-site. The Cencorp 1300 SR is ideal for low stress and accurate PCB separation providing a superior edge finish.

### Ergonomic and User Friendly Interface

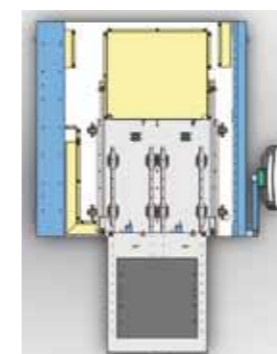
Both the rotary and sliding table are available with a unique operator load/unload station that presents the product directly in front of the operator, thereby reducing operator fatigue and physical stress. The Cencorp control software with graphical user friendly interface runs on an industrial PC with Windows® operating software.

## Depaneling

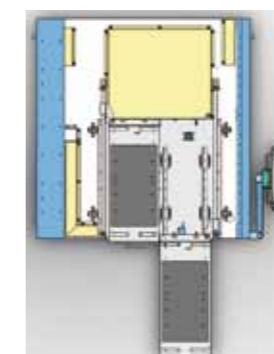
## TECHNICAL DATA



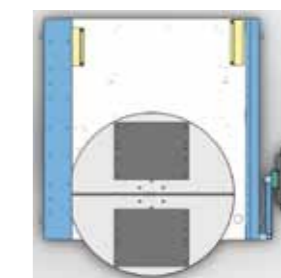
Single Table (standard)



Dual Table (optional)



Rotary Table (optional)



### Machine Dimensions

Width: 1300 mm (51.2")  
Depth: 1440 mm (56.7")  
Height: 1733 mm (69.8")

Approx. weight: 1000 kilos (2200 lbs.)

### Gantry

Gantry motors:  
AC brushless servo motors  
Servo repeatability: ±0.03 mm (0.001")  
Configuration: X, Y, Z

### Board Handling

Sliding table  
Max panel size: 500 mm x 500 mm (19.68" x 19.68")

### Rotary table

Max panel size: 350 mm x 450 mm (13.78" x 17.72")

Panel thickness:  
33 mm spindle: 1.5 mm (0.06") max  
45 mm spindle: Up to 4 mm (0.16")

Max component height: 10 mm (0.39")  
Bottom (tooling) side: 50.8 mm (2")  
Top (router) side: 10 mm (0.39")

Load height: 800/900 mm (31.5/35")

### Utilities

Voltage:  
208-220, 3-phase, 60 Hz, 20 Amps  
380-400, 3-phase, 50Hz, 16 Amps  
Pressure: 5.5 bar (80 PSI) clean, dry air  
Flow: 85 l/min (3 SCFM)

### Spindle Motor

Type: 33 mm ball-bearing spindle  
Max speed: Variable up to 50,000 RPM  
Cooling: Air cooled  
Router bit: Shank size 3.175 mm (1/8")  
Tool change: Manual / Automatic optio  
Routing speed: Up to 75 mm (3")/sec  
Slew speed: Up to 1000 mm (39")/sec  
Optional: Heavy duty spindle  
Type: 45 mm ball-bearing spindle  
Max speed: Variable up to 50,000 RPM  
Control

Cencorp 1300 SR control software:  
Industrial computer  
Windows®  
Ethernet Port  
Touch Screen Monitor

### Programming

Camera-Assisted Teaching System (CATS)

Program Teach Mode:  
Coordinates are taught physically moving the motors to the specific coordinates, "teaching" the machine the positions.

Manually or automatically step through program to verify the program before running production.

### Software Features

Event Log  
Diagnostic Tools  
Tool Life Tracking  
Vacuum Bag Life Tracking  
Multi-Level Password Protection

### Standard Features

Touch Screen  
Automatic Router Bit Change  
Heavy Duty Multi-Axis Servo Gantry  
Ergonomic Operator Load / Unload  
CE Certification

### Options

Barcode Program Verification Software  
Automatic Fixture Verification  
Automatic program change over  
Tall Component Clearance 20 mm (applicable only with 45 mm spindle)  
External Vacuum System  
Dust Removal Control  
Vision System  
Broken Bit Detection  
Router bit height detection  
Router bit diameter verification  
Beacon - Signal Lights  
Spare part kit

Specifications subject to periodic review and change without notice