

PCB ROUTING SYSTEM

PRS-4100D



FEATURES

- ❑ Stand-alone(Off-line) Type Robot System, Supporting MES (MES를 지원하는 독립 사용형 로봇 시스템)
- ❑ High-speed Precision Control for High Quality Production (고속 정밀 제어를 통한 생산 품질 향상)
- ❑ PCB Cutting Edge Inspection with High Speed/Resolution (고속 정밀의 PCB 절단면 검사)
- ❑ Powerful Dust Collecting Capability (탁월한 분진 제거 능력)
- ❑ Tilt Correction for Production by PCB Fiducial Mark Check (PCB 피두셜 마크 확인을 통한 PCB 틀어짐 보정 기능)
- ❑ Life Cycle Check for Bit, Spindle, Dust Collector, and etc (비트, 스피들, 집진기 등에 대한 관리 기능)
- ❑ Program Vision Teaching System by Color CCD Camera & MPG Jog (카메라와 MPG 조그를 통한 비전 티칭 시스템)
- ❑ Simulation for Program Vision Teaching (비전 티칭 시뮬레이션 기능)
- ❑ Multi Spindle Head Units for Production Time Reduction (생산 시간 감소를 위한 다수의 스피들 사용 가능)
- ❑ Two Work Base Table for Individual Production (두 작업 테이블에 각각 다른 제품 생산 가능)
- ❑ Router Software coded by IMPEC with Stability and Reliability (자체 개발한 안정적인 라우터 소프트웨어)



IMPEC Enterprise Co., Ltd.

PCB Routing System Specifications

Dimension

Width	: 1250mm
Depth	: 900mm
Height	: 1,650mm
Weight	: Approx 400Kg

Program Teaching

Vision Teaching (Color CCD Camera)
MPG JOG Handle
Program save to HDD memory
Line, Arc, Circle, Spline

Spindle

Rotation:	Adjustable 50,000 rpm
Cooling:	Air
Chuck diameter:	Shank Size 3.175mm
Tool change:	Manual or ATC (Opt.)

Axes

Drive method	: Multi AC servo motor
Axis	: X, Y1, Y2, Z
Servo Repeatability	: ± 0.01 mm
Axis Move Speed	: 1,000mm/sec (Each Axis)
Cutting Speed	: Up to 100mm/sec

Software Features

Life Cycle Check (Bit, Spindle, Dust Collector, etc)
Bit Auto Step Down
User Password Protection
Error Message Display
User Safety Function

Dust Collection

Control	: Digital Control (Auto)
Power	: 1.5Kw~
Filter	: Polyester
Pressure	: 230mAq ~
Noise Level	: 68 $\pm$ 3dB

PCB Handling

Work Table	: 2 Stations
Work Area	: 350mm x 300mm
PCB Thickness	: 0.4mm~2.4mm

Utilities

Router	: AC 220V, 1Phase
	: 50/60Hz, 1.5KVA
Dust Collector	: AC 220/380V, 3Phase
	: 50/60Hz, 3.0KVA
Air Pressure	: 6 bar (90 psi)
Air Flow	: 200L/min

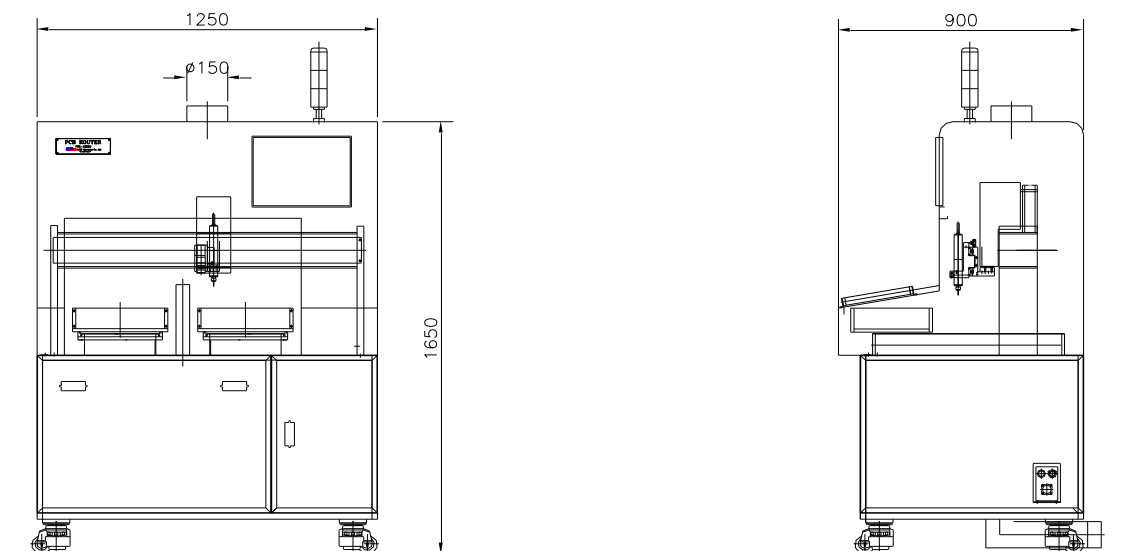
Options

PCB Cutting Edge Inspection (PCI) System
Ionizer System
Dust Collection Auto Shaking System
Fiducial Check & Tilt Correction System
Bar Code Check System
W Axis Motion
Multi Spindle Head Unit
User-Designed Jig
Fool Proof Sensor

Control

IMPEC Routing control software
Industry PC (Windows 7)
TFT LCD 15" Touch Monitor

Specifications in this brochure are subject to change for better performance without prior notice



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