PCB DEPANELING

880 Series

Inline and offline PCB routers

3-YEAR FACTORY WARRANTY

Milling-cutter PCB separation with CCD alignment: the inline 880AT with automatic loading, cutting and unloading, and the offline 880 and 880F with dual marble worktables.



±0.05 mm	±0.02 mm	1000 mm/s	0.8–3 mm
Cutting precision	Repeat precision	Max. X/Y speed	Cutter size

01 / OVERVIEW

Key features

Inline automation (880AT)
Automatic board loading, cutting and unloading; vacuum suction-cup pick and place.

CCD vision alignment
Better cutting accuracy and efficiency, protection against misoperation.

Flatness check (880AT)
Standard laser displacement sensor detects whether the PCBA is flat.

Cutting functions
Straight lines, arcs and irregular edges; broken-tool and tool-slip detection.

High-speed spindles
880AT: SycoTec 4033 AC-ESD with automatic tool change; 880 / 880F: NSK, max. 60 000 rpm.

CNC motion controller
Independent CNC controller and AC servo drives; English / Chinese user interface.

02 / INLINE PCB ROUTER

880AT specification

CUTTING

Cutting precision	±0.05 mm
Repeat precision	±0.02 mm
Max. moving speed	X, Y 1000 mm/s; Z 800 mm/s
Cutting speed	0–100 mm/s
PCB size	350 × 300 mm (other sizes on request)
PCB thickness	0.3–6 mm
Cutter size	0.8–3 mm

MACHINE

Power	AC 220 V ±10%, 50/60 Hz, 4 kW
Air supply	4–6 kg/cm²
Working temperature	-20 to 45 °C
Working humidity	30–60%
Machine size	1660 × 1290 × 1600 mm
Weight	970 kg

CONTROL

XYZ control	CNC motion controller, AC servo drives
Spindle	SycoTec 4033 AC-ESD, max. 80 000 rpm, automatic tool change
Dust extraction	Updraft or downdraft (free choice)
Cutter type	Right-hand cutter for updraft, left-hand cutter for downdraft
PCB support	Custom fixture
Fiducials	Standard shapes, circle, square
Program functions	Lines, semicircles, arcs; copy L-R and R-L, rotate copy, matrix copy; automatic compensation

03 / OFFLINE MODELS

880 and 880F



880 offline 3-axis PCB router. The 880F has the same cabinet with a dual-Y-axis worktable.

04 / OFFLINE PCB ROUTERS

880 (3-axis) and 880F (4-axis)

CUTTING

Cutting precision	±0.05 mm
Repeat precision	±0.02 mm
Max. moving speed	X, Y 1000 mm/s; Z 800 mm/s
Cutting speed	0–100 mm/s
PCB size	ES 300 × 350 mm; EW 350 × 450 mm; EX 450 × 500 mm
PCB thickness	0.3–6 mm
Cutter size	0.8–3 mm

MACHINE

Power	AC 220 V ±10%, 50/60 Hz, 4 kW
Air supply	4–6 kg/cm²
Working temperature	-20 to 45 °C
Working humidity	30–60%
Machine size	ES 1200 × 1450 × 1450; EW 1342 × 1640 × 1516; EX 1455 × 1638 × 1468 mm
Weight	ES 860 kg; EW 890 kg; EX 1070 kg

DESIGN

880	Marble double worktable (can be joined into one); X and Y move, table fixed; X-Y-Z 3-axis AC servo
880F	Dual marble worktable with dual Y axis: left and right tables driven by servo motors and screw guides

CONTROL

Spindle	NSK, max. 60 000 rpm
Dust extraction	Updraft or downdraft (free choice)
Ionizing air gun	Ion balance ≤ 15 V
PCB support	Multi support, special fixture; universal PIN fixture compatible with other brands
Detection	Broken tool detection (880F also tool slip detection)
Fiducials	Standard shapes, circle, square
Program functions	Lines, semicircles, arcs; copy L-R and R-L, rotate copy, matrix copy; automatic compensation

Configuration and quotation

sales@interelectronic.com

Károly Peics **+36 30 296 45 05** David Peics **+36 30 217 1226**

www.inte-on.com

■ 3-YEAR FACTORY WARRANTY ON INTEON MACHINES