

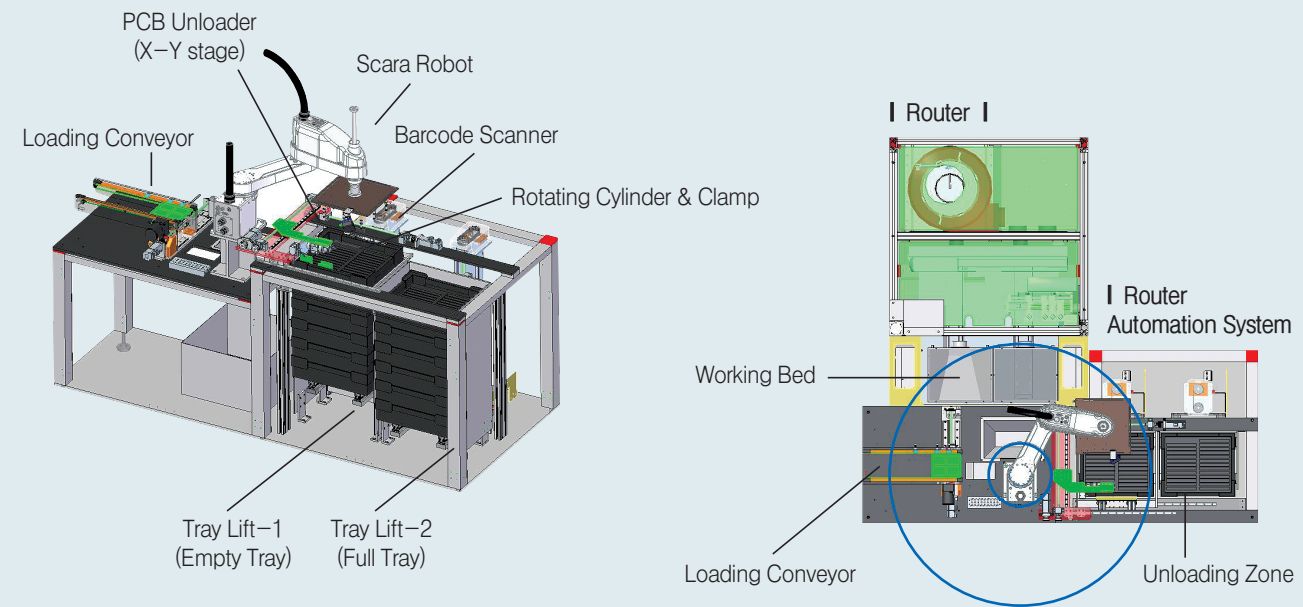
RADIX Router Automation System



▼ Connect with off-Line Router Automatize PCB Loading / Unloading

Application

Lay out



Key Features

- ▼ Make off-Line Router to In-Line
- ▼ Loading Conveyor : Receive PCB from previous Machine
- ▼ Scara Robot : Pick-up / Loading / Unloading PCB
- ▼ PCB Unloader : Unload the PCB to PCB Tray(90° Turning Function for Vertical Unloading)

SPECIFICATION

General	Power	220V / 60Hz / 1-phase
	Loading Method	Scara Robot(EPSON LS6)
	PCB Available Size	Max PCB 250mm(L) x 250mm(W)
	Pneumatic Requirement	CDA 0.6 Mpa
	PCB Load Height	900mm ± 50mm
	Dimensions	2,100(L) x 8700(W) x 1,600(H)
	Weight	600Kg
	Interface	SMEMA, Ether CAT, Ethernet 2 port, RS232C 1 port
Scara Robot (EPSON LS6)	Arm Length	600mm
	Repeatability Accuracy	± 0.01mm
	Limit Load	6Kg
	Weight	17Kg
	Loading Method	PTP(Point to Point)

Auto In-Line PCB Tester Auto PCB Cleaner(Wet-Type)



Auto In-Line PCB Tester



▶ Main Function

- Function Test
- Building Test
- NG Sorting & Marking
- NG Buffering

▶ Features

- Dual Stage
- Multiple Test Zone
- 180° Turning Conveyor

Auto PCB Cleaner(Wet-Type)



▶ Main Function

- PCB Flux Cleaning

▶ Features

- Multiple Cleaning Process (Chemical, Ultrasonic, DIW, Dry)
- Automatic Transportation(Cassette)
- Easy Setting and Monitoring (Touch Screen)

RADIX

PRODUCT GUIDE

ART-300MD / ART-300SS / ART-300MS / ART-300IMD
Auto In-Line PCB Tester / Auto PCB Cleaner(Wet-Type)



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<http://www.radixfa.com>



RADIX Router ART Series

ART-300MD

PCB Routing System!!



RADIX Router ART Series
ART-300MD / ART-300SS / ART-300MS



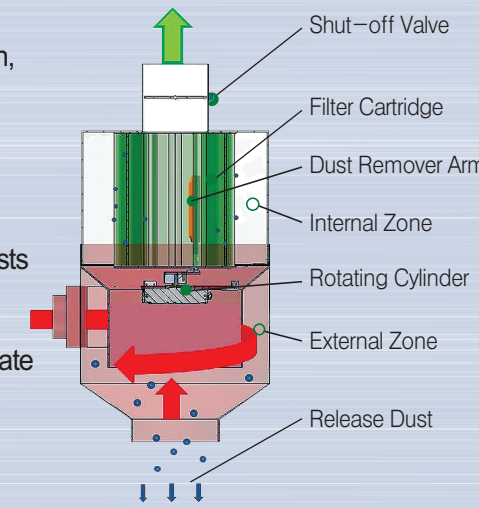
RADIX Router ART Series
ART-300MD / ART-300SS / ART-300MS



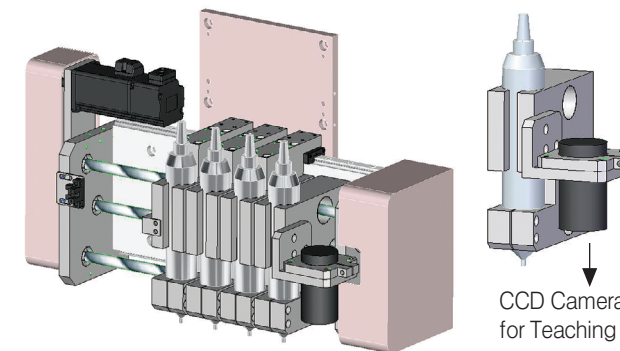
RADIX Router ART Series

▶ DUST COLLECTOR / Features

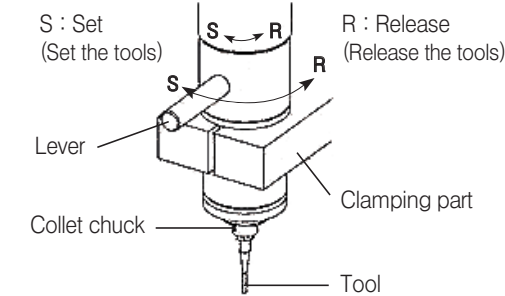
- Internal / external compartments of two cyclone structure design, excellent dust collection ability
- Large particles trapped in External Zone, fine dust trapped in Filter
- Filter Pulsing Function
:Increase the filter replacement cycle / Reduce maintenance costs
- Filter Pulsing Function
:Remove the dust on filter surface periodically → Stable Flow Rate
- Low vibration and noise



▶ SPINDLE _ Multi Spindel(4) for Option

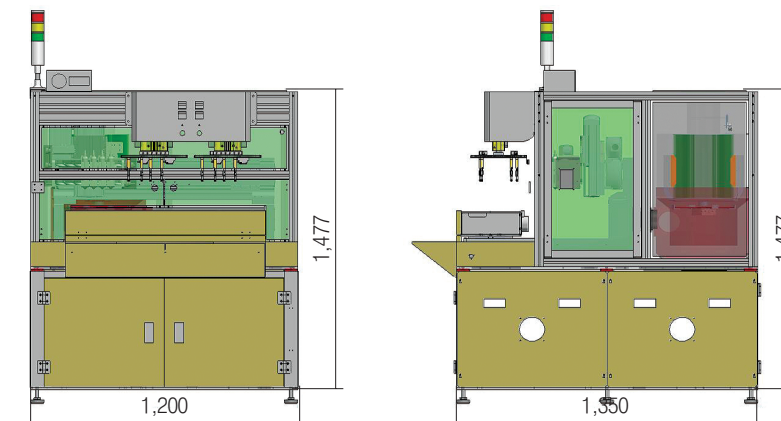


How to change tools (BA14 & BM14)



Easy Tool Changing

▶ LAY OUT



Features of ART Series Router

- ▼ Easy Teaching by MPG or CAM date
- ▼ User Friendly Operating UI
- ▼ Ether CAT communication
- ▼ Built-In High Performance Dust Collector (Dual-Cyclone Type)
- ▼ ESD Protect
- ▼ Bit life cycle check
- ▼ High extensibility with Automation System
- ▼ CCD Camera for Teaching

SPECIFICATION

		ART-300MD	ART-300SS	ART-300MS
General	Working Table	Dual	Single	Single
	Number of Spindle	2	Single	2
	Operating Characteristics	Window Embedded 1024 x 768, Serial Port 1ch, Usb 2ch Korean / English, DVI, Ethernet Port 2ch, PS2 1ch		
	Loading Method	Manual Operate		
	PCB Available Size	Max 400mm(L) x 300mm(W)		
	PCB Thickness	0.4 ~ 3.0t		
	AXIS Spec	4 Axis SERVO MOTOR, 4 Spindle(add spindel option)		
	Repeatability Accuracy	±0.02mm for each Axis		
	Cutting Accuracy	±0.1mm for each Axis		
	Cutting Speed	15 ~ 20mm/sec(Rated), 50mm/sec(Max)		
	PTP Speed	1,000mm/sec(Max)		
	Electrical Requirement	220V / 60Hz / 1-phase, 3-phase		
	Pneumatic Requirement	CDA 0.6 Mpa		
	PCB Transport Height	900mm ± 50mm		
Demensions	1,200(L) x 1,550(W) x 1,600(H)			
Weight	700Kg			
Control	Control Type	High degree CNC		
	Control Axis	4 servo axis		
	Mounted Panel	15inch touch monitor		
	Program Capacity	8,000 Programs		
Teaching Method	MPG manual teaching *CAM PGM(option)			
Spindle	R.P.M	Min 500 ~ Max 50,000		
	Mounted Collect Chuck	ø 3.175mm diameter		
	Cooling Type	Self cooling system		
	Bearing Type	Ceramic ball bearing		
	Brush Type	Brushless		
Dust Collector	Motor Type	Ring blower motor		
	Power	220V / 60Hz / 3-phase, 1 HP(0.75kw)		
	Collecting Type	Multi-cyclone collect type		
	Air Flow	Max 36m ³ /min		
Noise Level	65 ± 3dB			
Option		CAD PGM Teaching		
		Add Spindle		
		Vacuum Pick-up		