

ER-6000-AT

IN LINE Automatic cutting machine

DEMO Video



Specification

- Sliding table positioning mode: Servo precise positioning double sliding table
- Pick-and-place method: single-head pick-and-place mechanism
- Cover mode: magnet buckle platen mechanism
- Maximum working range on one side(W*D) : 500*640 mm
- Working height : 920mm±20mm
- Cutting speed : 1~100 mm/s
- Mechanical repeatability : ± 0.01 mm
- Control System : PC-based 6 Axis controller
- Drive way : AC Servo motor
- working system : IPC Windows 10
- Cutting accuracy : ± 0.05 mm
- Spindle speed : Max. 60000 rpm
- Host voltage : 1 φ , AC 220V 50/60Hz
- Air supply : 4~6 kg/cm², flow:1500 L/hr
- Power consumption : 3.0 KVA
- Dust collection method : External type,upper exhaust type 2HP,See Catalog EV-720
- Dust collection method : External type,lower exhaust type 3HP,See Catalog 3(5)HP
- Front station conveyor belt height: 920 ± 20 mm
- Rear station conveying mode: belt type, rail type, carrier type can be selected according to customer needs
- Flow direction: left to right, right to left
- Static elimination : Static elimination gun (lower exhaust type)

PCB Pick and Place Mechanism

- PCB transport mechanism:Auto loading and unloading(Modular vacuum nozzle, independent vacuum sensor)
- P&P Device:lateral movement/up/down to be AC servo motor control
- P&P Speed:Max.500mm/sec
- Conveyor width:Min. 80 mm

Features

- Equipped with automatic replacement of milling cutter function.
- Gantry structure increase cutting accuracy and cutting speed
- Extended router bit's life by multistage auto compensation of Z height to reduce cost
- Integrated shell and safety door sensor fit for public safety demand
- Using working table to push PCB panel margin into trash bucket which is in front of router to reduce equipment placement space
- Off-line module dedicated fixture with vacuum pick up nozzles decreasing change production line

Type

Type	Quantity platform	The scope of work (W*D)mm	Machine size W*D*H	weight (Kg)	Picture file
ATDS	2 Table	250*320mm	2000*1340*1980mm	830	The scope of work
ATDW	2 Table	330*340mm	2100*1340*1980mm	950	The scope of work
ATDM	2 Table	400*420mm	2450*1420*1980mm	1010	The scope of work
ATDX	2 Table	lower exhaust500*490mm upper exhaust500*470mm	2950*1530*1980mm	1150	The scope of work
ATDXL	2 Table	lower exhaust500*640mm upper exhaust500*620mm	2950*1740*1980mm	1300	The scope of work

Optional



Cover mode: magnet buckle platen mechanism



Laser Height Measurement



MES System Bar Code Scanner



Milling Cutter Diameter Measurement



Dual Spindles



EV-720 Suction Dust collection



Auto Change Cutter Bit