

Fully automatic turning machine (UPKTECH-450F)

(1) Equipment picture:



(2) Device parameters:

Equipment dimension L*W*H	L640mm*W1020mm*H1200mm
Control method	PLC+touch screen control
PCB transmission height	910±20mm
Transport speed	0-3500mm/min
Turning method	Motor driven flap (when flap is not required, straight-through mode can be used)
Conveying method	Chain conveyor (35B 5 mm extended pin with ball stainless steel chain)
Conveyor rail width	50-450mm adjustable
AM mode	Electric adjustment
PCB board thickness	3-8mm (Special instructions are required for passing through the fixture, such as passing through the bare board)
PCB board size	MAX:L450mm*W450mm
PCB board component height	MAX: ±110mm
Spin time	<15S
Equipment weight	Approx.190KG
Device power supply	AC220V 50-60Hz 1.0A
Equipment air source	4-6kgf/cm ²
Total equipment power	0.5KW

(3) Device functions:

- Rack part: The rack is designed and manufactured using high-grade aluminum profiles sealed with galvanized sheets, which is strong and durable; the sheet metal is completed with electrostatic powder spraying and baking paint, which is beautiful and easy to clean.
- Working part: The PCB conveying method adopts motor + chain drive, and the conveying weight

is larger.

- Turning part: The turning part is driven by motor.
- Whole-line docking: The equipment is equipped with the SMT industry standard SMEMA interface, which can be used for signal docking with other equipment.

(4) Main configuration list:

No	Name	Brand	Unit	Qty	Usage
1	Photoelectric Sensors	FOTEK 台湾阳明 /LS61	piece	2	PCBA in/out sensing
2	Width adjustment/conveying stepper motor	STD	unit	3	Conveying power transportation, rail amplitude modulation
3	Switching power supply	Mean well/明纬	unit	1	Equipment weak power supply
4	U-shaped sensor	Omron/欧姆龙	piece	2	Flip position sensor
5	Programmable controller PLC	XINJIE	unit	1	Program control
6	Human machine interface touch screen	XINJIE	unit	1	HMI