

Description

The Label Feeder provides automated label feeding to a PCB component pick & place machine, offering quick, efficient, and reliable label feeding. The easy-to-use label feeder also offer a highly efficient traceability solution for SMT lines in PCB manufacturing. Besides, this customizable automatic label feeder is compatible with a range of pick and place machines, such as ASM Siplace, Panasonic, Fuji, Juki, MyCronic (MyData), Samsung, Universal, Yamaha.



Specification

Dimensions	length x width x height	650x165x320mm
	weight	7.5Kg
Applicable materials	Bottom paper width	Compatible with bottom paper less than 60mm/80mm/100mm
	Backing paper thickness	0.05mm-0.08mm
	Backing paper material	PET plastic film or paper tape release paper
	Material type	Coil packaging materials such as paper labels, protective films, foam, double-sided adhesive tape, conductive adhesive or copper foil and steel sheet
	material size	min>3mm, MAX<backing paper width
	Tray inner diameter	Standard 3-inch core, other specifications can be customized
	Material thickness	Customized on request
Structural part	tray maximum load	<3Kg
	Feeding method	Tape peel-off type
	Receiving platform	High-density foamed cotton or polymer anti-sticking material
	Fiber Channel	Standard configuration "1 out of 1" to "1 out of 12" optional
	amplifier	Standard 1 set of independent amplifiers
	Material positioning method	Optical fiber sensing + software compensation
	Feeding method	Straight through feeding
	a fixed way	Positioning key + pressing block, supporting other fixed structures
	Cover film method	Support upper independent film extension
	Ending paper method	The bottom belt conveys the bottom paper as standard, and supports an independent motor for the bottom paper
	Backing paper tension adjustment	Standard discharge wheel mechanical tension, support independent motor independent discharge components
	The way of opening and closing the shaft of the hanging tray	Standard claw tensioning structure supports the tensioning of the air shaft
	Stripping knife size	Standard 0.3mm, can be customized according to the material
Electrical part	Operating Voltage	24V
	Average Current/Peak Current	1.5A/3A
	working pressure	0.4-0.6Mpa
	Operation method	key operation
	Host computer connection	8 core ø16mm aviation plug
	communication method	Support IO communication or self-control without communication
	software control	Based on ARM (STC32)
	drive mode	stepper motor
	Motor type	Type 42
motor speed	600 rpm	
Feeding part	single feeding quantity	Single row and multiple columns, support multi-column extension
	speed gear	Four gears adjustable
	Feeding position adjustment	Limit adjustment in X direction + software adjustment in Y direction + mechanical adjustment in Z direction
	Feeding accuracy	X direction ±0.2mm, Y direction ±0.2mm
Test record	Throw rate	<0.5%
	Feed test	Achieve 500 times of continuous feeding without exception
	Aging test	Continuous operation for 48 hours without exception
	service life	5 years service life



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