Best Technology Co., LTD

# **SMT Assembly Machine**

# **Equipment Advantage & Function**

#### Content

- Part 1: SMT Pick & Place Machine In Our SMT Line
- Part 2: SMT Assembly Machine List & Capability (H)
- Part 3: SMT Pick & Place Machine Working Principle Intro
- Part 4: Basic Parameters
- Part 5: Operational Details

## SMT Pick & Place Machine In Our SMT Line











# SMT Assembly Machine List & Capability (H) In Best Technology

SMT Machine	Brand	P/N	Applicable Product	Daily Capability (24H)		
	ҮАМАНА	YSM20	BA: Normal PCBA QA: Automotive product YA: Medical product HA: Aerospace product	95000point/H		
	ҮАМАНА	YSM10	BA: Normal PCBA QA: Automotive product YA: Medical product HA: Aerospace product	46000point/H		
	JUKI	FX-3RAL	BA: Normal PCBA QA: Automotive product YA: Medical product HA: Aerospace product	90000point/H		
	JUKI		BA: Normal PCBA QA: Automotive product YA: Medical product HA: Aerospace product	23500point/H		
	JUKI	KE-3010AL	BA: Normal PCBA QA: Automotive product YA: Medical product HA: Aerospace product	23500point/H		

### SMT Pick & Place Machine Working Principle Introduce

#### 1. SMT machine introduce

A pick & place machine, also known as a "Surface Mount System," is a device positioned after a dispensing machine or a stencil printer. It accurately positions surface mount components onto PCB pads by moving its installation head. This equipm ent is employed for achieving high-speed, high-precision component placement and st ands as the most crucial and intricate machinery within the entire SMT manufacturing process.

#### 2. Working principle

Its operational principles encompass key steps such as feeding and preparation, visual positioning, component alignment, component placement, soldering, as well as inspection and calibration. Ad vantages: high precision, be able to cater to a wide range of component sizes and shapes, includin g irregular components. Tape, tube, and trays package are also available.

## **Basic Parameters**

SMT Machine	YAMAHA YSM20R					
Mount speed	0.0378s/point 95000point/H					
Accuracy	+/-0.035mm					
Component size	0201					
Max. positioning	140					
PCB size	L50*50 L810*490					



**SMT Assembly Machine Parameter** 

**Operational Interface** 

# **Operational Details**





# **Debugging Before SMT**

# **Component Outline Making**

# **Operational Details**





### **Coordinate Correction**

**FAI** Confirmation

# **Operational Details**



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**SMT Placement Table** 

**Component Change Record**