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



日期	ID		-	SMT#S	料记录	表						-
	and the second se	机器型号	动位	规约	11.10	-	他用时间	1000		arai.	-	-
47	RAS17002	30%	53	110-RES		ste	HN		战术目	my (m) .	1570	1992
			47	1.50-whipe	-	The		城馬		1-41	12	1500
4.]	ervie 2	320	Fus	03017-14F-164		1810	12734			())]	grue azerteit	pilana gildes
							-					
		-	-		-							
					-	-	-	-		-		-
			-				-					1
									+	+	1	+
					-	-	-	-	+	+	1	T

SMT Placement Table

Component Change Record