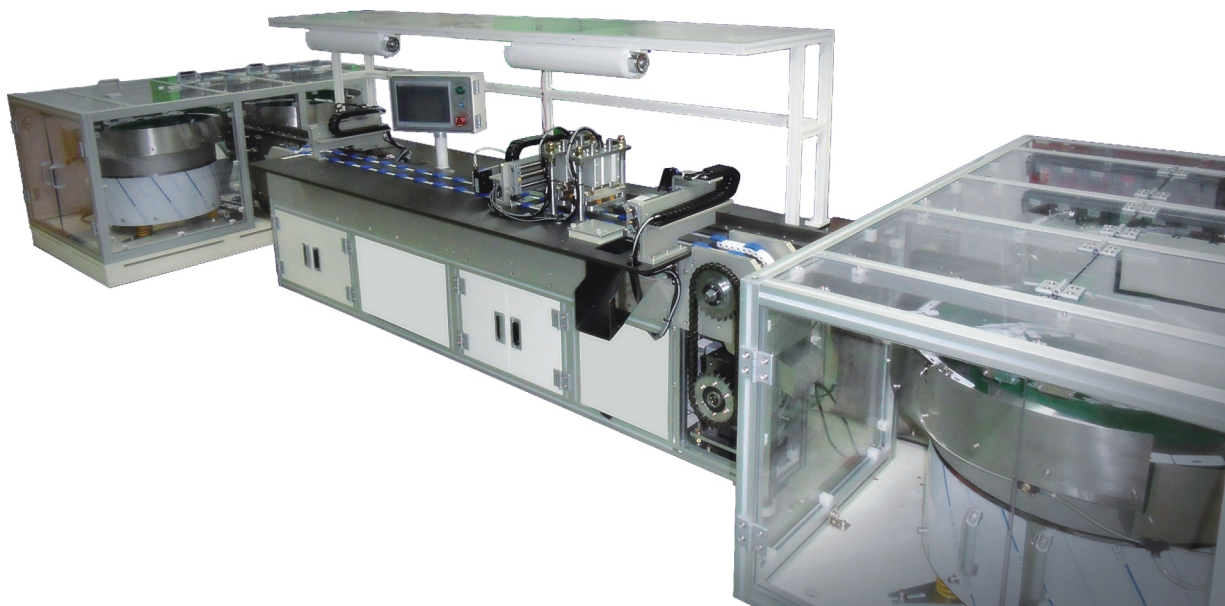


13. Semi Auto Assembler



SAIB-110

Models

▷ SAIB-110 & 120

Description

Zeta introduces SAIB-110 as a semi-auto assembler (inspection by color sensor) and SAIB-120 semi-auto assembler (inspection by vision camera). Semi-Auto systems have basically same process flow of AIB-210. Instead of 3 cameras, it is equipped with 1 inspection apparatus and strip insertion is done by manually. Overall throughput is same as Auto Assembler while requires one more man power. This reliable equipment provides excellent quality consistency environment.

Specification	
Device Type	Rectangular shape device for Rapid test
Capacity	about 1,800~ 2,000 pcs/hour (it depends on device length, shape, etc.)
Feeding Top device & Bottom device	Top and Bottom devices are made to right direction automatically (by rotator : option) and fed by the bowl feeder
Feeding capacity	about 50~60 pcs/minute
Inserting strips into device	Manual
Main drive	AC motor, Index motor, Air pressure
Inspection (option)	①Color Sensor : Color sensor recognizes whether the strip is placed on bottom device or not. And then, rejects defects out of system. ②Vision Inspection : Vision inspection recognizes whether the strip is placed on bottom device or not, whether strip is positioned rightly or not and whether there is any defect marked strips. And then, rejects defects out of system.
Device assembling	Using 2 press rollers
Control	PLC (Touch Screen is applied)
	Aluminum body ensures high durability and appearance
Air	5~7kgf/cm ² (regulated supplying)
Size	510(L) x 170(W) x 108(H) cm
Required manpower	2 persons

Models

▷ SAIA-210

Description

Zeta introduces SAIA-210 as a semi-auto assembler (non-feeder type). SAIA-210 has basically similar process flow of AIB-210 except bowl feeder part. Instead of bowl feeder for top/bottom device feeding, 2 persons supply the devices to the machine manually but the cards which are stacked into magazine are automatically cut into strips.

After that, cut strips are picked and placed into the bottom device automatically by cut & place module.

Characteristics

- The size of machine is smaller than other type auto and semi auto assembler because of non feeder type design
- In case of bowl feeder type, bent or twisted device can make feeding problem. This machine may reduce this kind of problem.
- Independent card cutting machine is not necessary. (Built in guillotine type cutter)
- Defect marked area is cut out automatically and only non marked part is cut into strip for inserting. It helps to eliminate unnecessary time consuming.

Specification

Capacity	about 1,800~2,000 pcs/hour (it depends on device length, shape, etc.)
Main driver	Servo Motor
Power	single phase AC 220V/60Hz
Device	rapid test device
SCP (Strip Cut & Place)	about 100 cards can be stacked into magazine
Vision inspection (Option)	empty (non strip inserted) bottom device and incorrectly placed strip
Device feeding	manual
Required manpower	2 person (top/bottom device feeding)
Air	5~7kgf/cm ² (regulated supplying)
Size	204 (L) x 135 (W) x108 (H) cm