Special Component Mounter

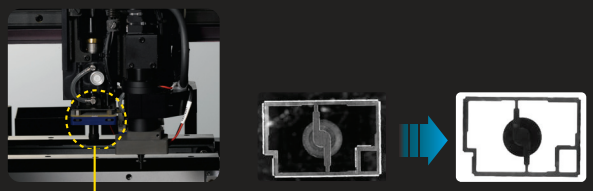
SCM1

- Super-slim Type Mounter
  (0.68m width: Dedicated to Odd Shaped Parts)
- Applicable to Odd Shaped parts(~ □45mm)
  (Based on Tape Feeder)
- Improved Applicability to Odd Shaped Parts
  - Back Light Recognition
  - Shield Can Placement Accuracy Inspection
- Applicable for Mixed Production (Option)
  - Uses Same Type PCB(Top/Bottom)
- Applicable to Mixed Use of Electrical/Pneumatic Feeders
- Built-in Tape Cutter(Option)

Improved Applicability to Odd Shaped Parts

Back Light Recognition

Vision recognition rate is improved by applying back light inside the head.



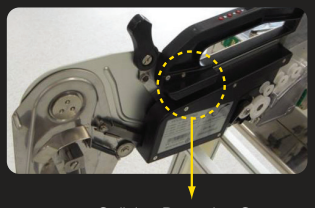
Applicable to Mixed Use of Electrical/Pneumatic Feeders

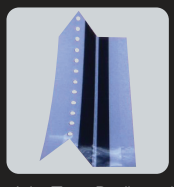
Allows Mixed Use of Electrical/Pneumatic Feeders

It is possible to select the type of feeder according to the environment of a user.

Allows Spliced Area to be Skipped Automatically (Option: Electrical Feeder)

Available when using a joint tape dedicated to splicing detection.

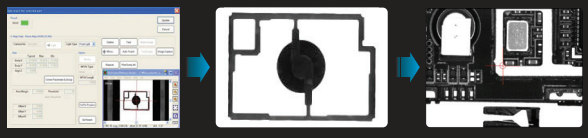




Improved Applicability to Shield Can

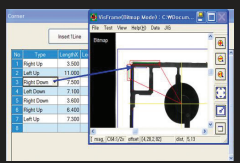
Placement Accuracy Inspection Function

Prevents defects in advance by inspecting the placement accuracy after placement of a shield can part.

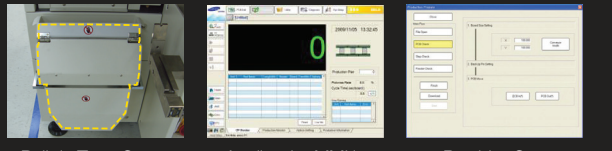


Applies a Recognition Algorithm Dedicated to Shield Can Parts

Provides various recognition algorithms including automatic part teaching function, editing screen dedicated to shield can parts, etc.



Improved Convenience of Use



Special Component Mounter

SCM1

Specification

Model Name		SCM1 (Single Lane)	SCM1 (Dual Lane)
Alignment		Stage Vision	Stage Vision
Number of Spindles		1 Spindle x 1 Gantry	1 Spindle x 1 Gantry 2 Spindles x 1 Gantry(Option)
Placement Rate (Based on Samsung Techwin's machine)		2,400 CPH	2,400 CPH 3,000 CPH(2 Spindles)
Placement Accuracy		±50μm@μ+3 Sigma(Based on 1005)	±50μm@μ+3 Sigma(Based on 1005)
Component Range	Stage Vision(FOV 45)	1005 ~ □45mm(Lead Pitch 0.4mm)	1005 ~ □45mm(Lead Pitch 0.4mm)
	Max. Height	H = 15mm	H = 15mm
Board Dimension(mm)	Minimum	50(L) x 50(W)	50(L) x 50(W)
	Maximum	250(L) x 250(W) 300(L) x 250(W)(Option)	250(L) x 250(W) 300(L) x 250(W)(Option)
	PCB Thickness	0.38~4.2	0.38~4.2
Feeder Capacity		16ea	32ea
Utility	Power	AC220 V(50/60Hz, 1Phase)	AC220 V(50/60Hz, 1Phase)
		Max. 2.0kVA	Max. 2.0kVA
	Air Consumption	0.5~0.7MPa(5.1~7.1kgf/cm²)	0.5~0.7MPa(5.1~7.1kgf/cm²)
		150Nℓ/min	150Nℓ/min
Mass		Approx. 750kg	Approx. 950kg
External Dimension(mm)		680(L) x 1,480(D) x 1,480(H)	680(L) x 1,870(D) x 1,480(H)

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※ The specifications in this catalogue may be changed without prior notice for quality improvement.

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