The world's first LED mounter!

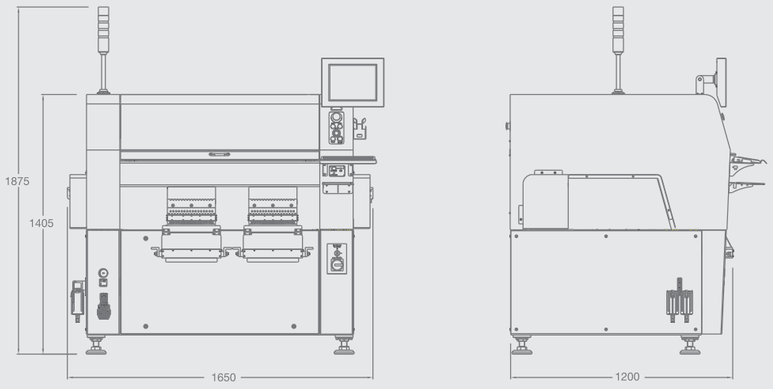
SLM100 Series

Specifications

Model			SLM110	SLM120
Alignment			Flying Vision	Flying Vision
Number of Spindles			5 Spindles x 1 Gantry	5 Spindles x 2 Gantry
Placement Rate	Flying Vision		Chip 1608 21,500 CPH (Optimum)	Chip 1608 43,000 CPH (Optimum)
Placement Accuracy	Chip		±80μm@μ+3 Sigma (Based on the standard chips)	±80μm@μ+3 Sigma (Based on the standard chips)
Component Range	Flying Vision		0603~□32mm IC	0603~□32mm IC
	Max. Height		H = 8.5mm	H = 8.5mm
Board Dimension(mm)	Minimum		80(L) x 50(W)	80(L) x 50(W)
	Maximum	1PCB	1,200(L) x 356(W)	1,200(L) x 356(W)
		2PCB	380(L) x 356(W)	380(L) x 356(W)
	PCB Thickness		0.38~4.2	0.38~4.2
Feeder Capacity			16ea	32ea
Utility	Power		AC220±20V (50/60Hz, 3Phase)	AC220±20V (50/60Hz, 3Phase)
			Max. 2.6kVA	Max. 4.3kVA
	Air Consumption		0.5~0.7MPa (5.1~7.1kgf/cm²)	0.5~0.7MPa (5.1~7.1kgf/cm²)
			160Nl/min	330Nl/min
Mass			Approx. 1,200kg	Approx. 1,250kg
External Dimension(mm)			1,650(L) x 1,200(D) x 1,405(H)	1,650(L) x 1,200(D) x 1,405(H)

Dimension

Unit : mm



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

June. 2011

SAMSUNG

Amazing LED Production System

SLM100 Series

High-Speed, SMART LED Mounter!

The world's first SLM100 Series LED mounter capable of realizing simultaneous pickup with one feeder
It provides an optimum LED production system.

High-Speed, SMART LED Mounter

SLM100 Series

The World's First LED Mounter!

- Simultaneous Pickup Solution with One Feeder (Patent Pending)
- Placement Speed : Chip 43K CPH (Optimum Condition)
- Applicable Parts : 0603 ~ □32mm (Part Height H=8.5mm)
- Applicable to Super-large Boards(LxW) : Max 1,200mm x 356mm
- Compact Size(LxD) : 1,650mm x 1,200mm
- Non-stop Recognition by Flying Vision System
- Reinforced Convenience Function Dedicated to LED
- Built-in Tape Cutter (Option)

Simultaneous Pickup Solution with One Feeder, Highest Speed LED Production System in the World

Motorized Feeder Dedicated to LED

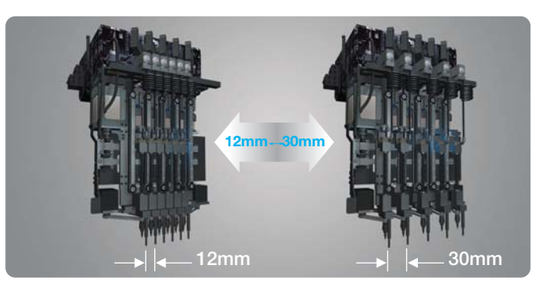
Five parts can be picked up simultaneously with one feeder.

Feeder dedicated to LED

Simultaneous pickup with one feeder

Head with Variable Pitch

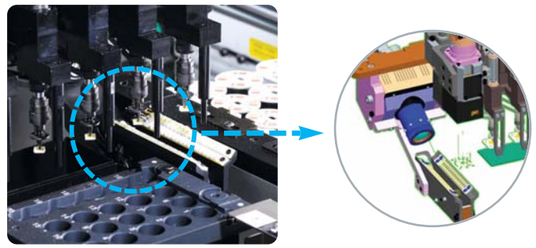
The pitch is automatically changed to the pitch between parts for part pickup, and to PCB array pitch for part placement.



Amazing LED Production System
SLM100 Series

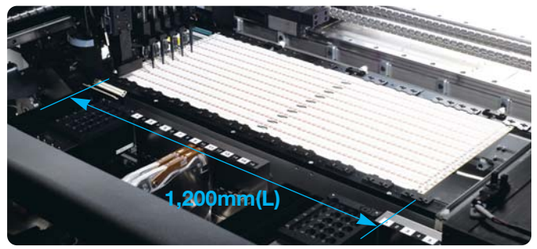
Non-stop Recognition by Flying Vision System

Refers to the function recognizing parts without stopping during movement after part pickup using Samsung's own 'On-the-Fly' image recognition technology. It maximizes part placement speed by making the recognition time zero.



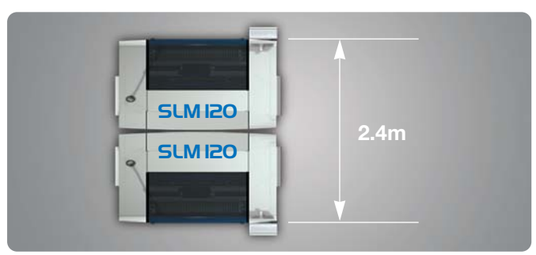
Reinforced Applicability to Long Board

Allows placement of LEDs on large LED lighting PCBs with a maximum length of 1,200mm.



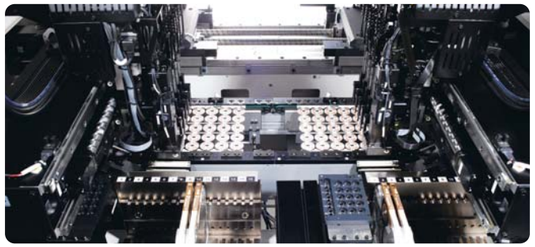
Applicable to Parallel Arrangement of Machines

Compact machine size (D1.2m) and one-side operation allows parallel arrangement of machines.



Simultaneous Placement of Two PCBs

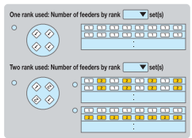
Allows placement of two PCBs simultaneously according to PCB size, maximizing productivity.



Reinforced Convenience Function Dedicated to LED

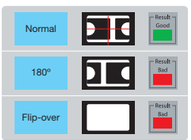
Function for Automatic Arrangement of Placement Points by Rank

Minimizes the time to create a program by automatically setting feeders by rank when selecting a working method according to the characteristics of the PCB.



LED Flip-over Check Function

Automatically checks for flip-over and the incorrect insertion of LED through the vision system, preventing defective placement in advance.



LED Rank Management System

As a system that manages the brightness of LED parts by rank, it compares and manages produced products and rank information of LED parts by applying a barcode system.

Part Misplacement Prevention (Rank Alarm Function)

Sounds an alarm to the operator to prevent part misplacement when there is difference in the rank between a product being produced and a part.

Automatic Feeder Link and Advance Alarm Function

When a feeder in operation has run short of parts, this function allows the feeder to be changed automatically and generates an alarm for part replacement simultaneously, reinforcing the non-stop operation and work convenience.