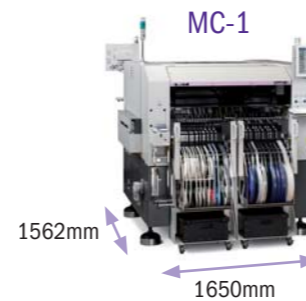


Technical specifications MC-12	
Optimal output per hour	36k (24k IPC 9850)
Placement accuracy at cpk >1	50 micron for chips
Component range	01005 (0402 Metric) to 8 x 8mm or 100 x 20mm
Component height	6.5mm
Maximum board size (L x W)	575 x 460mm (22.6 x 18.1")
Minimum board size (L x W)	50 x 50mm (2 x 2")
Tape feeding positions (8mm)	120 with fixed feederbar 96 with feeder exchange system
Feeder types	tape, stick



Technical specifications MC-1	
Optimal output per hour	19.6k (14.1k IPC9850)
Placement accuracy at cpk >1	50 micron for chips, 30 micron for QFP
Component range	01005 (0402 Metric) to 100 x 45mm
Component height	15mm
Maximum board size (L x W)	700 x 510mm (27.5 x 20.1")
Minimum board size (L x W)	50 x 50mm (2 x 2")
Tape feeding positions (8mm)	126
Feeder types	Tape, stick, (manual) tray, tube, re-use, waffle pack



Technical specifications MC-8	
Optimal output per hour	8.9k (7.9k IPC 9850)
Placement accuracy at cpk >1	50 micron for chips, 30 micron for QFP
Component range	01005 (0402 Metric) to 54 x 54mm or 100 x 45mm
Component height	25.5mm
Placement force	Programmable from 10 to 30N
Maximum board size (L x W)	700 x 510mm (27.5 x 20.1")
Minimum board size (L x W)	50 x 50mm (2 x 2")
Tape feeding positions (8mm)	119
Feeder types	Tape, stick, (manual) tray, tape strips, tube, re-use, waffle pack



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SMART SOLUTIONS



MC Platform Solutions

High placement quality meets unsurpassed flexibility

Changeover and New Product Introduction Flexibility

- Full-featured, graphical programming tools
- Common family setups and production scheduling
- Full software suite enhancing change-over & NPI actions
- Wide component range with large board handling

Improve quality and reduce rework

- Prevent misplaced or missing components
- Eliminate bent leads or damaged bumps
- Centralize component and program management
- Automate preventative maintenance routines

Optimum machine flexibility

In high mix environments, electronics assembly solutions must handle the widest possible component range and product complexity. Additionally, the production capabilities must be ahead of the rapidly evolving electronic components, semiconductor devices, and packaging solutions, while simultaneously offering superior placement quality.

The MC Platform Solution offers fast setup, easy preparation, and simple changeover, which saves time and reduces costs by increasing operational efficiency, especially within high mix, small batch environments. Moreover, cost of ownership is minimized with total integration and line-level optimization.

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High placement quality combined with world class flexibility

	MC-12	+	MC-1	+	MC-8	=	365 feeder positions!
Feeder capacity	120		126		119		
Optimal output	36k		19.6k		8.9k		

(MC-12 + MC-1 + MC-1 = 372 feeder positions!)

Flexibility

NEW

FI Feeder

- Intelligent
- Compact
- Light weight
- 8 to 72mm
- Tape loading in only seconds
- Automatic pick position adjustment for high pick rates
- Tape cutting in mounters
- Splice detection
- Indicators for easy operator setup guidance



Additional flexibility features

- Error free program generation
- Common setup and scheduling
- Central parts and program management
- Line control and program distribution
- Feeder exchange systems for fast and simple changeovers
- Offline setup assistant
- Offline preparation
- Feeder pre-emptive warning

On machine flexibility

- Teaching of placement locations, fiducials and component shapes
- On-board machine optimizer
- Guided placement verification for first time right production run



Offline programming tool



Offline set-up assistant



Offline vision preparation tool

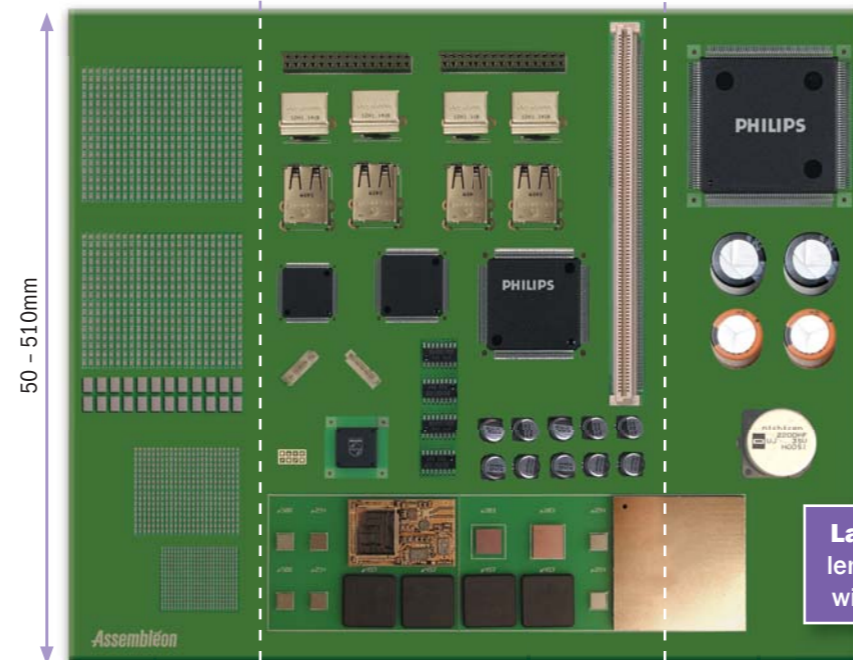


MC-12 Compact size only 1.8m²



Touch screen

Traceability



Large board sizes
length: 50 - 700mm
width: 50 - 510mm

Wide component range

min: 0,4 x 0,2mm (01005)
max: 8 x 8 x 6,5mm*
optional: 100 x 20 x 6,5mm*

100 x 45 x 15mm*

55 x 55 x 25.5mm*
45 x 100 x 25.5mm*

* L x W x H

Quality

Accuracy enhancement

- Gantry mapping compensates for localized non-linearity
- Automatic temperature variations adjustments



Traceability

- Storage of production data
- Offline viewer with filter options

Improve placement quality and reduce rework costs

Moving side view camera:

- Prevents misplaced or missing components
- Detection of dust or particles on nozzles
Initiates automatic nozzle cleaning



3D vision system:

- Prevent placement of components with damaged or bent leads or bumps



Automatic nozzle cleaning:

- Reduces hours of maintenance and prevents dust or dirt



With regional competence centers always nearby, backup by an excellent organization is always present, 24/7. To tune up to or maintain World Class SMT manufacturing, Assembléon offers Performance Solutions to reach these goals and for you to stay competitive for years.

24/7

