

	placePRO	placeALL 510	placeALL 610	placeALL 610L	placeALL 610XL	placeALL 700
Assembly heads	1	1	1 or 2	1 or 2	1 or 2	2, 3, or 4
Machine dimensions	970 x 940 x 1240mm	970 x 940 x 1240mm	1060 x 1060 x 1350mm	1420 x 1060 x 1350mm	1420 x 1380 x 1350mm	1200 x 1350 x 1600mm
Position Light	Δ	Red/Green	Red/Green	Red/Green	Red/Green	Red/Green
Maximum components						
Stand-alone	200	200	208	284	346	208
Inline	n/a	100	124	200	262	124
Available feeders						
Tape		Half step 8, 12, 16, 24, 32, 44, 56, 72mm, blockFEEDER				
Stick						
Tray			Yes	Vibration		
Tray changer			8 trays	Yes		
Strip			For all belt widths			
Wired LEDs			3mm and 5mm			
Custom feeders			As Requested			
Loose components		Yes	Δ			Δ
Placement area						
Minimum PCB size						
Stand-alone			5mm x 5mm			
Inline		50mm x 30mm				
Maximum placement area ex-vision		650 x 510mm	620 x 450mm	1020 x 450mm	1020 x 770mm	620 x 450mm
Maximum PCB strength						
Maximum component height			10mm			
Placement speed			20mm			
Maximum		4000 Bt/h		Single head: 6000cph; Two head 10,500cph		4 heads: 14,000cph
Based on IPC 9850		3200 Bt/h		Single head: 4600cph; Two heads 6,800cph		
Measurement system						
Resolution X- Y- Axis		0.5µm		0.5µm		1µm
Resolution Z-Axis				8µm		
Resolution R-Axis		0.005°		0.0075°		0.012°
Accuracy						
With laser				± 100µm		
With Vision I				± 40µm		
With Vision II "On-the-Fly"		n/a	n/a	n/a	n/a	± 50µm
Smallest component						
With laser		32 x 32mm		22 x 22mm (option for 32 x 32mm)		
With Vision I				50 x 50mm (option for 70 x 70mm)		
With Vision II "On-the-Fly"		n/a	n/a	n/a	n/a	14 x 14mm

✓ Standard

Δ Option

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Centering system						
Laser (Cyberoptics)	✓	✓	✓	✓	✓	✓
With Vision I	Δ	Δ	Δ	Δ	Δ	Δ
With Vision II	Δ	Δ	Δ	Δ	Δ	Δ
With "Vision-on-the-Fly"	n/a	n/a	n/a	n/a	n/a	Δ
Dispensing System						
Time / Pressure	Δ	Δ	Δ	Δ	Δ	Δ
Microprocessor	Δ	Δ	Δ	Δ	Δ	Δ
Screw dispenser valve	Δ	Δ	Δ	Δ	Δ	Δ
Jet dispensing system	Δ	Δ	Δ	Δ	Δ	Δ
Inline system	Δ	Δ	Δ	Δ	Δ	Δ
Divisible frame <80cm		Option: no upgrade			n/a	
Extend to smartLINE	Yes	Yes	Yes	Yes	Yes	Yes
Software						
placeALL						
Operating system		placeALL 6.0				
Component library	✓	✓	✓	✓	✓	✓
Automatic fiducial recognition	✓	Δ	Δ	Δ	Δ	Δ
Offline programming	Δ	Δ	Δ	Δ	Δ	Δ
Data input						
Direct	✓	✓	✓	✓	✓	✓
Teach in	✓	✓	✓	✓	✓	✓
CAD data	✓	Δ	Δ	Δ	Δ	Δ
PABarcode	Δ	Δ	Δ	Δ	Δ	Δ
PATrace	Δ	Δ	Δ	Δ	Δ	Δ
PASStorage	Δ	Δ	Δ	Δ	Δ	Δ
PANetState	Δ	Δ	Δ	Δ	Δ	Δ
PALineControl	n/a	Δ	Δ	Δ	Δ	Δ
PAJobs	Δ	Δ	Δ	Δ	Δ	Δ
PALooseComponents	✓	Δ	Δ	Δ	Δ	Δ
PASmartBULK	Δ	Δ	Δ	Δ	Δ	Δ
Power / Air requirements						
Electrical		230V / 110V maximum 1.3kW				
Compressed air		6 bar, 75psi, 0.01 micron filter, maximum 60L/min				
Noise level		50 - 70 dB				

✓ Standard

Δ Option