

Xpress Series

High speed SMD placement with fine pitch capability



Unrivalled flexibility in modular SMD placement

Machine Capability:

Tact time	Xpress 15 - 0.266 sec per chip - 13,500 c.p.h. (IPC: 11,700 c.p.h.) Xpress 25 - 0.144sec per chip - 25,000 c.p.h. (IPC: 18,900 c.p.h.) Xpress 50 - 0.072 sec per chip - 50,000 c.p.h. (IPC: 37,800 c.p.h.)
Placement accuracy	±60 µm to ±100 µm at 4 sigma depending on component type
Pick up heads	rotary head on X/Y gantry (Xpress15: 1, Xpress25: 2, Xpress50: 4) each with 8 pick ups & a 24 position 'smart' nozzle bank
Component analysis	'on-the-fly' grey scale vision as standard, fixed camera option
Feeder range	full range of intelligent feeders for 8 – 88mm tape and for components in plastic sticks and matrix trays
Feeder capacity	Xpress 15 - 92 x 8mm tape feeder positions Xpress 25 - 92 x 8mm tape feeder positions Xpress 50 - 184 x 8mm tape feeder positions

Board Handling:

Length	60mm to 500mm (reduced by certain options)
Width	60mm to 460mm (reduced by certain options)
Thickness	0.5mm to 4.5mm
Weight	3Kg max.
Under board clearance	25mm
Board location	full edge clamping with fiducial correction
Board edge clearance	3mm above/5mm below
Transport criteria	Left to Right (Right to Left optional), fixed front rail, height – 950mm (adjustable 890 – 975mm), SMEMA interface

Component Range:

Types	chips in rectangular and cylindrical form, aluminium electrolytic capacitors in can form, SO, PLCC, QFP, TSOP, BGA, μ BGA, CSP, connectors and other odd-form surface mount devices
Minimum size	0.5mm x 0.25mm (0201)
Maximum size	50x50mm as standard, 70x70mm with fixed camera option, 100mm long connectors
Maximum height	12mm, 16mm in special single component mode (21mm option)
Minimum lead pitch	0.4mm as standard, 0.3mm option

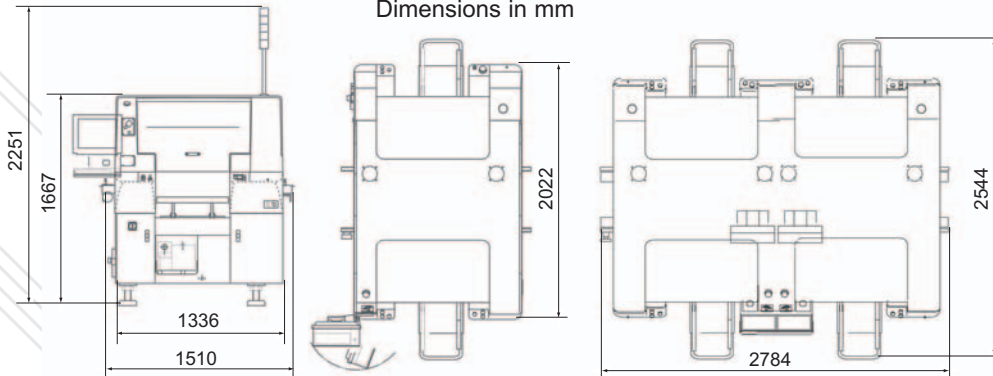
Options:

	fixed camera for larger and very fine pitch (0.3mm) components
	feeder trolley options for bulk change of individual feeder and 'mass' tape feeder ranges
	internal fixed zone/s or 30 position automatic loader for matrix trays
	PROMON Management Information Software
	electrical component verification
	automatic width adjust
	off-line intelligent feeder storage trolley
	boards and components traceability
	rear operating station

General:

Electric	400/210V three phase - 50Hz/60Hz 5 - kVA (Xpress 15/25) 10 - kVA (Xpress 50)
Air	- 7 bars - Xpress 15 - 20 l/min, Xpress 25 - 30 l/min, Xpress 50 - 40 l/min
Noise	<70dB (A)
Working temperature	range 10° - 30°C, ideally 20°C \pm 5°C
Humidity	20 - 80% RH
Weight	Xpress 15 - 1420 Kg (without feeders) Xpress 25 - 1500 Kg Xpress 50 - 2750 Kg
Colour	Europlacer white

Dimensions in mm



Xpress 15-25

Xpress 50

Europlacer

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