

# Technical Specifications

## *XPii II*



### Machine Capability

Tact time	XPii II - 0.15 sec. – 23,800cph (IPC: 17,400cph) XPii IIT - 0.134 sec. – 26,800cph (IPC: 20,000cph)
Placement accuracy	35µm (QFP's) to 60µm (Chips) @ 3 sigma
Pick up head	2 rotary turret heads on X/Y linear motor gantries with: 8 pick ups on XPii II 12 pick ups on XPii IIT 2 x 40 position 'smart' nozzle tool bank or (1 x 40 + 1 x 20 + 1 special) in option
Component analysis	'on-the-fly' digital hi-resolution camera
Feeder range	full range of intelligent feeders for 8 – 88mm tapes, for components in plastic sticks and matrix trays
Feeder capacity	92 x 8mm tape feeder positions

### Board Handling

Length	60mm to 500mm
Width	60mm to 460mm (60 to 405mm with tray sequencer)
Thickness, Weight	0.5mm to 10.0mm; 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 - adjustable 890 to 975mm, SMEMA interface

## Component Range

Types	chips, melfs, electrolytic capacitors, SO, PLCC, QFP, TSOP, QFP, BGA, $\mu$ BGA, LGA, CSP, connectors and odd form surface mount devices
Minimum size	0.4mm x 0.2mm (01005)
Maximum size	50x50mm as standard, 70x70mm and 100mm long connectors with fixed camera option
Maximum height	XPii II or XPii IIT - full revolution of turret: 12mm, 1 comp. mode: 31mm
Minimum lead pitch	0.3mm (QFP), 0.4mm ( $\mu$ BGA) 0.15mm (QFP), 0.2mm ( $\mu$ BGA) with optional fixed camera
Minimum lead/ball size	0.15mm (QFP), 0.2mm ( $\mu$ BGA) 0.07mm (QFP), 0.1mm ( $\mu$ BGA) with optional fixed camera

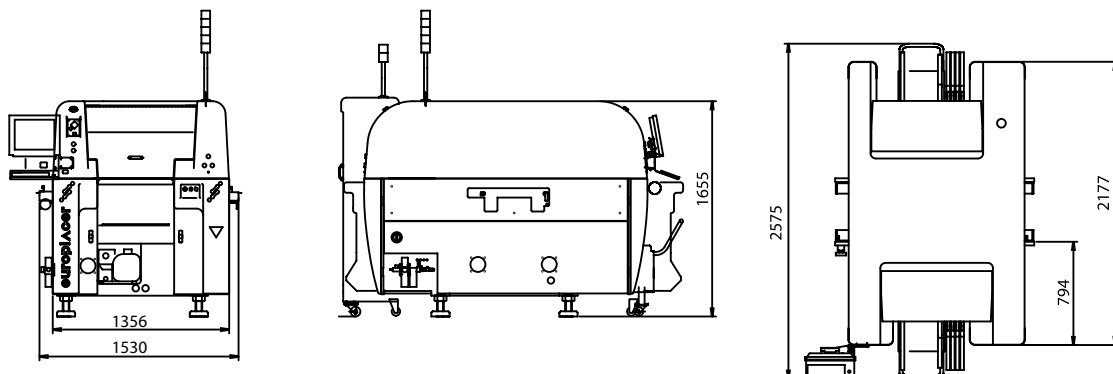
## Options

- fixed camera for larger and very fine pitch components (min. pcb width: 100mm and max. pcb length: 490mm)
- internal fixed zone or 30 positions automatic loader for matrix trays
- feeder trolley options for bulk change of individual feeder and 'mass' tape feeder ranges
- electrical component verification
- automatic conveyor width adjustment
- nozzle magazine 20 positions + special nozzle magazine
- rear operating station

## General

Electric	400/210V three phase - 50Hz/60Hz - 5 KVA
Air	7 bars, 30 l/min
Noise	<70dB (A)
Working temperature	range 10°C - 30°C, ideally 20°C +/- 5°C
Humidity	20 - 80% RH
Weight	1500 Kg (without feeders)

Dimensions in mm:



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As part of our policy of continuous development, specifications are subject to change without prior notice.