

iineo II



Machine Capability

Tact time	0.144 sec per chip - 24,900 c.p.h. (IPC: 20,600cph) 0.132 sec per chip - 27,300 c.p.h. (IPC: 22,300cph - Tornado heads)
Placement accuracy	standard 35 μ m (QFPs) to 60 μ m (Chips) @ 3 sigma
Pick up heads	twin rotary turret head on X/Y linear motor gantries with 8 pick ups each; (12 pick ups on Tornado head)
Nozzles	two 40 positions 'smart' nozzle tool banks option 2: additional special nozzle tool bank option 3: additional 20 pos. tool bank (tray sequencer in front)
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	264 x 8mm tape feeder positions + equivalent 3 or 4 Jedec matrix trays

Board Handling

Min. pcb size	60 x 60mm
Max. pcb size options:	500 x 460mm (500 x 405mm if tray sequencer at rear) 500 x 600mm - wide (max.132 pos. 8mm) 700 x 460mm - long (700 x 405mm if tray sequencer at rear) 700 x 600mm - long & wide (max.132 pos. 8mm)
Thickness	0.5mm to 10.0mm
Weight	3Kg max. (10Kg max. in option)
Under board clearance	25mm
Board location	full edge clamping with fiducial correction
Board edge clearance	3mm above/5mm below
Transport criteria	Left to Right, fixed front rail, height – adjustable 890 – 975mm SMEGA interface

Component Range

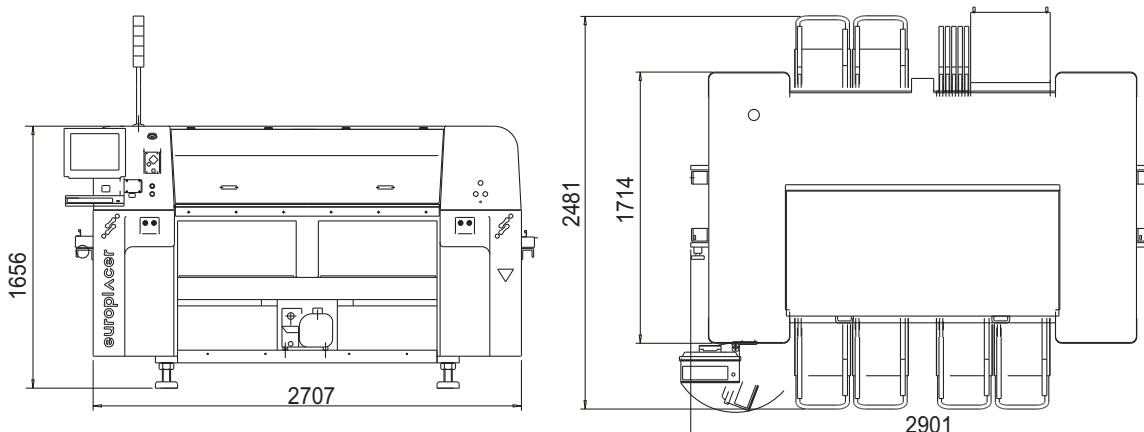
Types	chips, melfs, electrolytic capacitors, SO, PLCC, QFP, TSOP, BGA, μ BGA, LGA, CSP, connectors and other odd-form surface mount devices
Minimum size	0.4mm x 0.2mm (01005)
Maximum size	50x50mm as standard, 70x70mm, 100mm long connectors with fixed camera option,
Maximum height	iineo II full revolution turret: 12mm, 1 comp. mode: 34mm iineo IIT full revolution turret: 12mm, 1 comp. mode: 31mm
Minimum lead pitch	0.3mm (QFP), 0.4mm (μ BGA) 0.15mm (QFP), 0.2mm (μ BGA) with optional fixed camera
Minimum lead/ball size	0.15mm (QFP), 0.2mm (μ BGA) 0.07mm (QFP), 0.1mm (μ BGA) with optional fixed camera

Options

- fixed camera for larger and very fine pitch components
- feeder trolley options for bulk change of individual feeder and 'mass' tape feeder ranges
- internal fixed tray holder zone 460 x 325mm - 3 Jedec (4 Jedec with option wide board)
- 30 position automatic loader for matrix trays
- electrical component verification
- glue dispenser, dispenser with archimedean screw
- automatic width adjust
- additional nozzle magazines
- rear operating station

General

Electric	400/210V three phase 50Hz/60Hz, 5 - kVA	Humidity	20 – 80% RH
Air	7 bars, 30 l/min	Weight	2200 Kg (without feeders)
Noise	<70dB (A)	Colour	Eurolacer white Pantone 645 RAL 7043
Working temperature	range 10° - 30°C ideally 20°C \pm 5°C		



Dimensions in mm

eurolacer
www.eurolacer.com