

XPii

XPii platform allows one or two head configuration



Matrix tray sequencer
30 positions can be fitted at the rear

Common specifications:

Standard accuracy: 35µ (QFPs) to 60µ (Chips)
Feeder capacity: 92 positions 8mm
Feeder types: Tape 8-88mm, Stick, Tray, Special (labels, solder balls and others on request)
Component range: 01005 to 50x50mm with 'on the fly' camera, (70x70mm, connectors 100mm long with optional fixed camera), max. height 34mm"

Specification XPii-I:

Placement head: 1 rotary turret head on XY linear motor gantry with 8 pick ups & 1x40 position 'smart' nozzle tool bank
Tact time: 0.266 sec. - 13,500cph (IPC: 11,340cph)

Specification XPii-IT:

Placement head: 1 rotary turret head on XY linear motor gantry with 12 pick ups & 1x40 position 'smart' nozzle tool bank
Tact time: 0.24 sec. - 15,000cph (IPC: 12,800cph)

Specification XPii-II:

Placement head: 2 rotary turret heads on XY linear motor gantry with 8 pick ups & 2x40 position 'smart' nozzle tool bank
Tact time: 0.15 sec. - 23,800cph (IPC: 17,400cph)

Specification XPii-IIT:

Placement head: 2 rotary turret head on XY linear motor gantry with 12 pick ups & 2x40 position 'smart' nozzle tool bank
Tact time: 0.134 sec. - 26,800cph (IPC: 20,000cph)

Options:

- Fixed camera
- Additional nozzle magazine (1 head)
- Special nozzle magazine
- Electrical test
- Rear operating station
- Conveyor automatic width adjustment

Photography: Cicile Langlois



Modular platform with ultimate flexibility

integrated intelligence



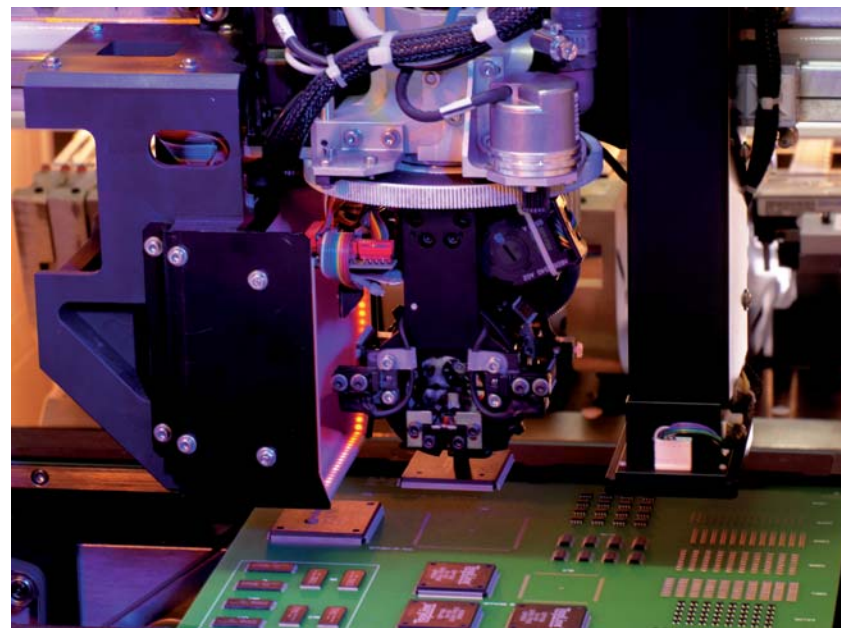
Small footprint with no compromise



- ▶ Modular compact footprint
- ▶ Huge Component Range
- ▶ Linear motors
- ▶ Hi-resolution digital cameras
- ▶ User Friendly Graphical Interface
- ▶ On the fly vision
- ▶ 3D^{PS}
- ▶ Smart nozzles
- ▶ Embedded co-planarity check
- ▶ Fast changeover
- ▶ Feeders and software fully compatible across all Europlacer machines

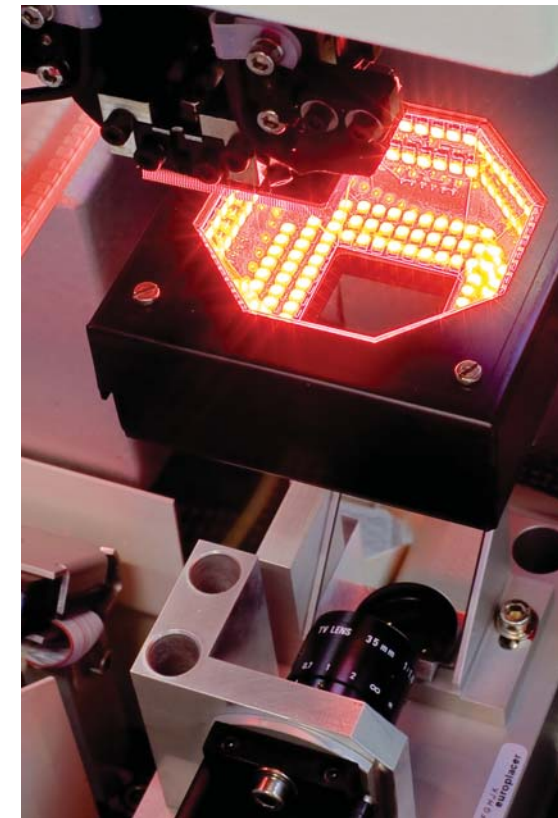
Xpii is a refreshing new approach to modular pick and place. Incorporating technology from Europlacer's innovative award winning iineo platform, Xpii benefits from low maintenance linear motors, high resolution digital cameras and advanced on-head optical component sensing. With these advanced features you can benefit from all the capability of iineo in a compact space and the modularity enables you to build your line to meet growing demands.

Xpii uses Europlacer proven core features, such as turret head, intelligent feeders and powerful software without compromise. It is equipped with a choice of turret heads and incorporates optical sensors that can detect, on the fly, the presence of components as small as 01005 and as large as 50 x 50 mm from picking to placement. Xpii will accommodate components supplied on tape, strip tape, stick and matrix tray.



Placement head(s) are fitted with rotary turret head(s) with 8 or 12 pick ups

The system uses Europlacer's unique *Integrated Intelligence*[™] and fulfils all possible placement needs in one compact system. It is widely configurable, allowing two versions: Xpii-I and Xpii-II (one or two placement heads), 8 or 12 nozzles, tape trolleys or feeder trolleys, matrix tray sequencer, internal matrix tray. Unlike "traditional" chip-shooter style machines, Xpii has no restrictions or limitations on component range. The PCB in production remains stationary.



The optional fixed camera allows placement of component up to 70x70mm, 100mm connectors and odd's up to 34mm height.

Xpii is designed to meet your specific production requirements. It can be used in front of any other Europlacer machine to greatly boost the placement rate of the line or can of course be used stand alone, offering the perfect solution for manufacturing medium and/or large batches in high product mix environments, using minimal floor space. Thanks to the Europlacer concept of *Integrated Intelligence*[™] featuring truly intelligent feeders and turret heads, Xpii allows simple machine setups and rapid changeovers for maximum productivity.

Xpii is fully compatible with other Europlacer systems with common heads, cameras, intelligent feeders, smart nozzles, placement data, very user friendly graphical interface...

Smart nozzles

Europlacer's unique 'smart' nozzle technology allows any nozzle to be placed anywhere within the magazines. Smart nozzles eliminate operator errors to ultimately increase machine uptime.

3D^{PS}

Machines include the innovative Adaptive Positioning System called 3D^{PS} that is used to optimize picking and placement of components. During the picking sequence, the system compensates in X, Y and altitude eliminating the need for manual picking adjustments. The 3D^{PS} system compensates for board bow and twist on placement. Placement height is adjusted to reflect a similar board height to adjacent components. The placement force is optimum even on a warped PCB.

Xpii-I



Xpii-II

