



PIE DIFFUSION

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P10 - automatic SMT dispensing and pick & place machine with optical alignment system



- **TECHNICAL DATA**

- **PCB**

- max. placement area 400 x 500mm

- **Components range**

- from 0201 up to 25x25mm (option 40x40mm)
- Pitch min. 0,4mm

- **Components packing**

- tapes / sticks / trays

- **Components centering**

- non-contact alignment

- **Placement rate**

- up to 1000 cph

- **dispensing rate**

- up to 6000 cph

- **Feeder capacity**

- up to 80 x 8mm – strips feeder and
- 2 x (300 x 200mm) - IC-tray with 200 x 300mm PCB size

- **Resolution**

- X / Y Axis – 0,008mm (linear encoders)

- **Placement accuracy**

- +/- 0,03 mm

- **Dimensions and weight**

- 840 x 630 x 430 mm / ca. 92 kg

- **Supply**

- 230 V - 50 Hz - 350 W / 0,6 Mpa -15 l/min

- **KEY FEATURES**

- automatic vision SMT pick and place machine with dispensing head

- automatic pick & place head

- automatic dispensing head

- automatic nozzle changer (6 tools)

- camerasystem for automatic fiducial

- camerasystem for touchless components centering

- CAD – editor for pick & place files

- Gerber – editor for dispensing files

- teach-in mode

- image processing system

- operating system: Windows

- control panel: PC keyboard / Mouse

- Graphical user interface

- **Application range**

- prototypes and low volume production
- pick & place of standard and fine pitch components incl. BGA, µBGA, CSP, QFN