



PIE DIFFUSION

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P20 - automatic SMT pick & place machine with optical alignment system



• TECHNICAL DATA

- **PCB**
 - max. placement area 400 x 500mm
- **Components range**
 - from 0201 up to 25 x 25mm
(option 40 x 40mm)
 - Pitch min. 0,4mm
- **Components packing**
 - tapes / sticks / trays
- **Components centering**
 - non-contact alignment
- **Placement rate**
 - up to 1600 cph
- **Feeder capacity**
 - up to 33 x 8mm automatic tapes feeder and 40X8mm tape strips feeder
 - and 2 x (300 x 200mm) - IC-tray with 200 x 300mm PCB size
- **Resolution**
 - X / Y Axis – 0,008mm – linear encoder
- **Placement accuracy**
 - +/- 0,03 mm
- **Dimensions and weight**
 - 840 x 700 x 430 mm / ca. 95 kg
- **Supply**
 - 230 V - 50 Hz - 550 W / 0,6 Mpa -20 l/min

• KEY FEATURES

- automatic SMT pick and place machine with vision
- automatic pick & place head
- automatic nozzle changer (6 tools)
- camerasystem for automatic fiducial
- camerasystem for touchless components centering
- CAD – editor for pick & place files
- teach-in mode
- image processing system
- smart feeder system – CAN Bus
- operating system: Windows
- control panel: PC keyboard / Mouse
- user interface - PC and 17” LCD monitor
- **Application range**
 - prototypes and low volume production
 - pick & place of standard and fine pitch components incl. µBGA, CSP, BGA, QFN, SMD LED