

P1 – precision automatic SMT pick & place machine with optical alignment system



• TECHNICAL DATA

- **PCB**
 - max. placement area 480 x 540mm
- **Components range**
 - from 0201 up to 40x80mm
 - min. pitch min. 0,4mm
- **Components packing**
 - tapes / sticks / trays / bulk
- **Componets centering**
 - optical alignment
- **Placement rate**
 - up to 1200 cph
- **Feeder capacity**
 - up to 80 x 8mm – semi automatic tape feeder and
 - 2 x (300 x 200mm) - IC-tray with 200 x 300mm PCB size
- **Resolution**
 - X / Y Axis – 0,008mm - linear encoders
 - Z - axis – 0,0020mm – linear encoder
 - Theta – 0,01° - rotations encoder
- **Placement accuracy**
 - +/- 0,03 mm
- **Dimensions and weight**
 - 840 x 630 x 430 mm / ca. 90 kg
- **Supply**
 - 110–230V/50-60 Hz / 850 W / 6 Mpa -25 l/min

• KEY FEATURES

- **automatic SMT pick and place machine with optical alignment system**
- **1 x automatic pick & place head**
- **automatic nozzle changer (6 tools)**
- **top camera - system for automatic fiducial**
- **bottom camera – optical alignment for SMD components**
- **optical inspektion system**
- **CAD – editor for pick & place files**
- **teach-in mode**
- **image processing system**
- **operating system: Windows 7/8**
- **control panel: PC keybord / mouse**
- **graphical user interface**
- **application range**
 - prototypes and low volume production
 - pick & place of all types of SMD components



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