

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 10
- control panel: PC keybord / mouse
- graphical user interface
- application range
 - prototypes and low volume production
 - pick & place of all types of SMD components