

# 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