

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

ROMEX



• 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
- **Components centering**
- optical alignment
- **Placement rate**
- up to 1200 cph
- **Feeder capacity**
- up to 80 x 8mm – semi automatic tape feeder, Tape strips or reels
- 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 - for automatic fiducial recognition**
- **bottom camera – optical alignment for SMD components**
- **vision inspektion of printing accuracy of solder paste and accuracy of component placement**
- **Gerber & CAD – editor for pick & place files**
- **teach-in mode**
- **operating system: Windows 10**
- **control panel: PC keyboard / mouse**
- **Remote service via internet**
- **graphical user interface**
- **application range**
- prototypes and low volume production
- pick & place of all types of SMD components

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