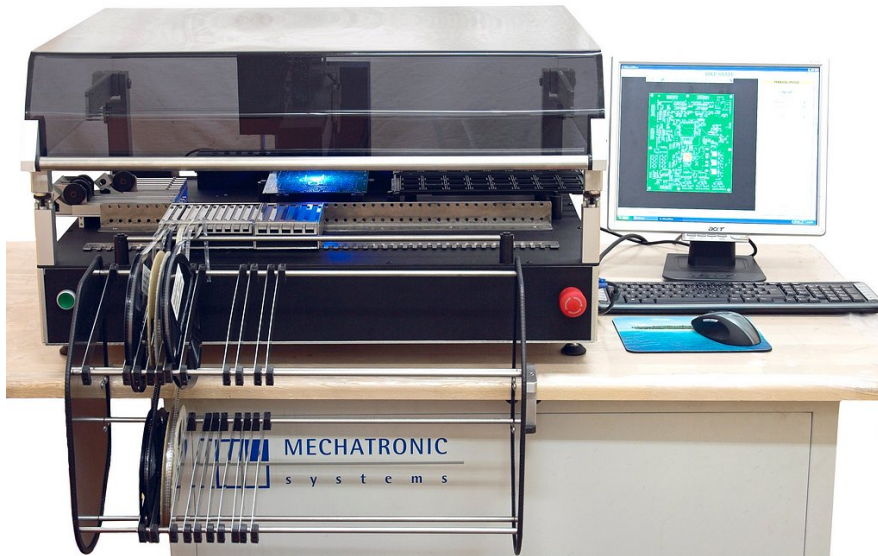


# P10 - SMT dispensing and pick & place machine with optical alignment system



## • **TECHNICAL DATA**

- **PCB**
  - max. placement area 400 x 500mm
- **Components range**
  - from 0402 up to 25x25mm
  - Pitch min. 0,4mm
- **Components packing**
  - tapes / sticks / trays
- **Components centering**
  - non-contact alignment
- **Placement rate**
  - up to 600 cph
- **dispensing rate**
  - up to 8000 cph
- **Feeder capacity**
  - up to 60 x 8mm – strips or
  - up to 40 x8mm semiautomatic tapefeeders and
  - 2 x (300 x 200mm) - IC-tray with 200 x 300mm PCB size
- **Resolution**
  - X / Y Axis – 0,008mm ( linear encoders )
- **Placement accuracy**
  - +/- 0,03 mm
- **Dimensions and weight**
  - 840 x 630 x 430 mm / ca. 80 kg
- **Supply**
  - 230 V - 50 Hz - 350 W / 0,6 Mpa -15 l/min

## • **KEY FEATURES**

- automatic vision SMT pick and place machine with dispensing head
- automatic pick & place head
- automatic dispensing head
- automatic nozzle changer (6 tools )
- camerasystem for automatic fiducial
- camerasystem for touchless components centering
- CAD – editor for pick & place files
- Gerber – editor for dispensing files
- teach-in mode
- image processing system
- operating system: Windows
- control panel: PC keyboard / Mouse
- Graphical user interface
- **Application range**
  - prototypes and low volume production
  - pick & place of standard and fine pitch components incl. MBGA, CSP, QFN