

## P20 - automatic SMT pick & place machine with optical alignment system



### ● TECHNICAL DATA

- **PCB**
  - max. placement area 540 x 480mm
- **Components range**
  - from 0201 up to 40 x 80mm
  - min. pitch 0,4mm
- **Components packing**
  - tapes / sticks / trays / bulk
- **Components centering**
  - non-contact alignment
- **Placement rate**
  - up to 1600 cph
- **Feeder capacity**
  - up to 33 x 8mm automatic tape feeder and 40X8mm semi tape feeder
  - and 2 x (300 x 200mm) - IC-tray with 200 x 300mm PCB size
- **Resolution**
  - X / Y- axis – 0,008mm – linear encoder
  - Z - axis – 0,020mm – linear encoder
- **Placement accuracy**
  - +/- 0,03 mm
- **Dimension and weight**
  - 840 x 700 x 430 mm / ca. 95 kg
- **Supply**
  - 110-230V /50-60Hz /1150W /6 Mpa / 25 l/min

### ● KEY FEATURES

- automatic SMT pick and place machine
- 1 x automatic pick & place head
- automatic nozzle changer (6 tools )
- top camera - system for automatic fiducial
- bottom camera - optical alignment system for SMD components
- CAD – editor for pick & place files
- teach-in mode
- image processing system
- smart feeder system – CAN Bus
- operating system: Windows 10
- control panel: PC keyboard / mouse
- user interface - PC and LCD monitor
- application range
  - prototypes and low volume production
  - qualified for pick & place of all types of SMD components