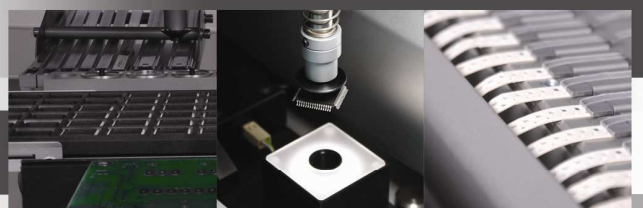


AUTOMATIC PICK & PLACE MACHINE

MX 80



MX80

Description

Mechatronika's MX80 is a professional production machine for SMT boards. Mature construction and high quality equipment makes an efficient use in small lot production. A component range from 0201 to QFP/BGA can be processed from all current packaging media. The efficient control system of the MX80 is based on Windows XP embedded platform and AC servo drives. Placement data can be converted from various layout systems to minimize change over time.

Product Features

- vision centring "on the fly"
- fully automated placing
- automatic fiducials correction and bad mark sensing
- automatic change of nozzles
- Windows XP based control system
- Pick & Place data can be entered manually in TEACH-IN mode or can be converted from various CAD data systems
- good price to performance ratio

Technical Specification

PCB

Placement area: 325 x 500 mm

Components

Range: from 0201 to 35 x 35 mm QFP and BGA
Pitch: up to 0,5 mm (0.4 mm optionally)
80 feeders for 8 mm tapes + 30 stick of SO8

Components packing

Tapes: 8 mm, 12 mm, 16 mm, 24 mm, 32 mm, 44 mm
Sticks
Trays

Placement rate

3200 –4000 cph

Placement accuracy

Better than 0,08 mm

Nozzle changer

Automatic, 8 nozzles
Automatic sensing of nozzle presence

XY resolution

Standard 5 µm

Vision system

Automatic fiducials correction
Automatic bad mark sensing

Components orientation

0.05° steps

Control Panel

LCD 17" screen
keyboard
mouse

Options

Data import from CAD

Dimensions and weight

900 x 1250 x 1230 mm, 250 kg

Power Supply

230 V, 50 Hz, 500 W

Compressed Air Supply

0,6 MPa, 20 l/min

