SMT PICK & PLACE

SMTIX MS8L 96 NX

Inline 8-head SMD pick and place machine

Up to 16,000 CPH | 8 heads, 10 cameras | Up to 96 NXT feeders | 0.05 mm placement accuracy | 3 IC trays



OVERVIEW

The **SMTiX MS8L 96 NX** is an inline SMD pick and place system. It is highly efficient in its category in placement speed, programming speed and feeder capacity, and accepts up to 96 NXT-type feeders.

With 0.05 mm placement accuracy and up to 16,000 components per hour it is an ideal machine for small series production. Two reel support trolleys are supplied with the machine.

The Windows-based software includes a component library and optimises feeder loading and placement paths automatically. SMTiX is the SMT placement range of CIF (France).

KEY FEATURES

8 placement heads
simultaneous multi-head pick-up and recognition, ±180° rotation, JUKI-compatible nozzles

10 cameras
1 fiducial camera, 8 high-speed cameras for the nozzles, 1 high-precision camera for chips

Fast programming
pick & place file import (CSV / TXT), component library, optimal path planning

Automatic corrections
missing component, component angle and invalid component rejection

Large feeder capacity
96 positions for NXT feeders, 3 IC trays with 286 positions, feeder lift alarm

Inline conveyor
antistatic, manual or electric width adjustment, three-stage transport, MES signals

Continuous operation
runs for more than 24 hours without stopping

Safety
emergency stop, tri-colour alarm light, slows / stops when the cover is opened, CE compliant

TECHNICAL SPECIFICATIONS

Part Number	V900208
Placement Heads	8
Placement Speed	16,000 CPH
Vision Speed	12,000 to 15,000 CPH
Placement Accuracy	0.05 mm
Repeatability	0.05 mm
Positioning Accuracy	0.01 mm
PCB Size	50 × 50 mm to 460 × 350 mm (without tray), 460 × 233 mm (with tray)
PCB Thickness	max. 3 mm; 3 to 5 mm free edge in automatic mode
Component Range	0201, 0402, 0603, 0805, 1206, LEDs, diodes, transistors, SOT, BGA up to 30 × 30 mm; pin pitch from 0.3 mm
Max. Component Height	20 mm
Nozzle Stroke / Max. Z Travel	4.5 mm / 50 mm
Feeder Positions	96 (8 mm feeders), NXT-type feeders
IC Tray Positions	3 trays (286 positions), tray size 650 × 170 mm
Recognition	1 fiducial camera, 8 high-speed cameras, 1 high-precision camera, 17-inch display
Max. XY Travel	440 × 740 mm
Control / Drive	industrial PC with Intel processor, DSP drive, AC servo motors
Air Supply	0.5 to 0.7 MPa, min. 60 L, oil-water separation and dust filtration; vacuum pump built in
Power Supply	AC 220 V, 50/60 Hz, 1000 W
Dimensions (L × W × H)	1470 × 1480 × 1640 mm
Weight	850 kg

Configuration, demo and quotation

InterElectronic supplies CIF and SMTiX equipment in Hungary and Central Europe: application advice, installation, training and service.

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Specifications according to CIF (France). Subject to change without notice.