SMT PICK & PLACE

SMTIX MS4T 64 NX

Inline 4-head SMD pick and place machine

Up to 11,000 CPH | 4 heads, 6 cameras | Up to 64 NXT feeders | 0.05 mm placement accuracy | JUKI-compatible nozzles



OVERVIEW

The **SMTiX MS4T 64 NX** (CIF reference MS4L-64NX) 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 64 NXT-type feeders.

With 0.05 mm placement accuracy and up to 11,000 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

4 placement heads
piano-type pick-up, ±180° component rotation, JUKI-compatible nozzles

6 cameras
1 fiducial camera, 4 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

Flexible feeding
electric and vibrating feeders, IC tray, feeder lift alarm

Inline conveyor
antistatic, electric width adjustment via software, 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	V900204
Placement Heads	4
Placement Speed	8,000 to 11,000 CPH
Placement Accuracy	0.05 mm
Repeatability	0.05 mm
Positioning Accuracy	0.01 mm
PCB Size	50 × 50 mm to 410 × 360 mm
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
Feeder Positions	68 (8 mm feeders), NXT-type feeders
IC Tray Positions	1 tray
Recognition	1 fiducial camera, 4 high-speed cameras, 1 high-precision camera, 17-inch display
Control / Drive	industrial PC with Intel processor, DSP drive, AC servo motors
XY Guidance	linear guide rails and precision ball screws
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)	1160 × 1340 × 1450 mm
Weight	690 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.