

AUTOTRONIK

Fertigungssysteme für die **Elektronikindustrie**

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MODEL: BS 282E-V

SMT-PICK & PLACE MACHINE

- ▶ Perfect for prototyping & small volume production
- ▶ Automatic detection of loose components
- ▶ High Accuracy and high Flexibility from 01005 up to 0.5mm fine pitch QFP & BGAs (option)
- ▶ X-Y axis driving by ballscrews w/. AC SERVO
- ▶ max. 84 intelligent Auto Tape Feeder (three side)
- ▶ Up to 3000 CPH
- ▶ "Vision On the Fly" alignment system (digital camera)
- ▶ Digital Bottom Vision Camera for fine pitch QFP & BGAs (option)
- ▶ Automatic Reference Point Recognition
- ▶ Dispenser System (option)
- ▶ EtherCAT System, w/. optional CANBUS System
- ▶ Universal CAD Conversion
- ▶ Tape/ Cut Tapes/ Stick/ Tube/ IC Tray packaging and Loose Components feeding method available.



Innovative
Features



Unbeatable
Service



Worldwide
for you!



Specialist in small
and medium-sized
manufacturing.



Quality &
innovation at
a fair price.



All from
one hand.



max. 84 Intelligent feeders, two 32 slots at left / right, a 20 slots platform at front. Component spectrum from 01005 to 150mm x 55mm, component height up to 15mm.

EtherCAT®

EtherCAT sets a new standard for real-time performance and topology flexibility. It greatly simplifies machine architecture and enable more efficient processes.



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SMT-PICK & PLACE MACHINE

SPECIFICATION:

- Number of Heads (Vision on the Fly): 1
- Placement rate: 3000 CPH (under optimum condition)
2500 CPH (IPC 9850)
- Feeder capacity (8mm): up to 84 Tape Feeders
32 slots at left, 32 slots at right,
and 20 slots at front feeder rack platform
- IC Tray capacity: up to 3 Waffle Trays
- Component Sense: Vision detection
- Component Size:
 - Handled by head camera:
 - smallest: 0.4 x 0.2 mm
 - largest: 16 x 14 mm
 - Handled by fixed digital Bottom Vision Camera:
 - largest: 150 x 55 mm
- Resolution (AC Servo Motors):
 - X/Y Axis: 0.005 mm
 - Z Axis: 0.01 mm
- Rotation: 0° to 360° (0.09°/step)
- Placement Accuracy: +/- 0.05 mm (chips)
+/- 0.03 mm (QFP, uBGA)
- X/Y Repeatability: +/- 0.01 mm
- Placement Area:
 - without Waffle Tray: 320 x 415 mm
 - with 1 Waffle Tray: 320 x 270 mm
- Programming:
 - Direct Input
 - Teach-In by Camera
 - CAD Access (option)
- Industrial PC with Windows 11
- Power Supply: 220VAC
- Power: 700W
- Pressure: 75 psi (5.5 bar), max. 100L/min
- Machine Size: 954 x 1055 x 1695 mm (W x D x H)
954 x 1055 x 1000 mm (w/o. stand)
- Weight: 325kg
230kg (w/o. stand)

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