

# AUTOTRONIK

Fertigungssysteme für die **Elektronikindustrie**

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## MODEL: BA389P3

### SMT-PICK&PLACE MACHINE

- ▶ Perfect for medium & large volume production
- ▶ High Accuracy and high Flexibility from 01005 up to 0.3 mm fine pitch
- ▶ 160 intelligent Auto Tape Feeder
- ▶ Ballscrews in X-Y direction
- ▶ AC Servo Motors X/Y/Z
- ▶ Up to 12.000 CPH
- ▶ COGNEX Alignment System „Vision On the Fly“
- ▶ Bottom Vision Kamera for fine pitch QFP & BGA
- ▶ Automatic Reference Point Recognition
- ▶ Conveyor System
- ▶ Vision Inspection
- ▶ Universal CAD Conversion
- ▶ Barcode Reader for Feeder setup
- ▶ Tracability of production data



Innovative Features



Unbeatable Service



Worldwide for you!



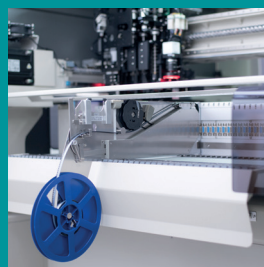
Specialist in small and medium-sized manufacturing.



Quality & innovation at a fair price.



All from one hand.



Intelligent feeders in all common sizes. Component spectrum from 01005 to 100x150 mm, component height up to 15mm



Components on tapes, tubes, cut tapes, loose components and trays can be processed.

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## SMT-PICK&PLACE MACHINE

### SPEZIFICATION:

- Number of Heads (Vision on the Fly): 3
- Placement rate (under optimum condition):  
12000 CPH, 10500 CPH (IPC 9850)
- Feeder capacity (8mm): up to 160 Tape Feeders
- IC Tray capacity: up to 3 Waffle Trays
- Component Sense: Vision detection
- Component Size:
  - Handled by head camera:
    - smallest: 0.6 x 0.3 mm
    - largest: 16 x 14 mm
  - Handled by fixed Bottom Vision Camera:
    - smallest: 0.4 x 0.2 mm (option)
    - largest: 150 x 100 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: +/- 0.03 mm
- X/Y Repeatability: +/- 0.01 mm
- Placement Area without conveyor:
  - without Waffle Tray: 650 x 460 mm
  - with 1 Waffle Tray: 650 x 380 mm
- Placement Area with conveyor:
  - without Waffle Tray: 650 x 440 mm
  - with 1 Waffle Tray: 650 x 380 mm
- Programming:
  - Direct Input
  - Teach-In by Camera
  - CAD Access (option)
  - Barcode Reader (option)
  - Tracability of production data (option)
- Industrial PC with Windows 10
- Power Supply: 230VAC
- Power: 3800W
- Pressure: 75 psi (5.5 bar), max. 300L/min
- Machine Size: 1300 x 1420 x 1460 mm (L x W x H)
- Weight: 1100kg

