

Dual Beam SMT Placement Machine

Fast and Flexible

C5d-128

Model C5d-8128C



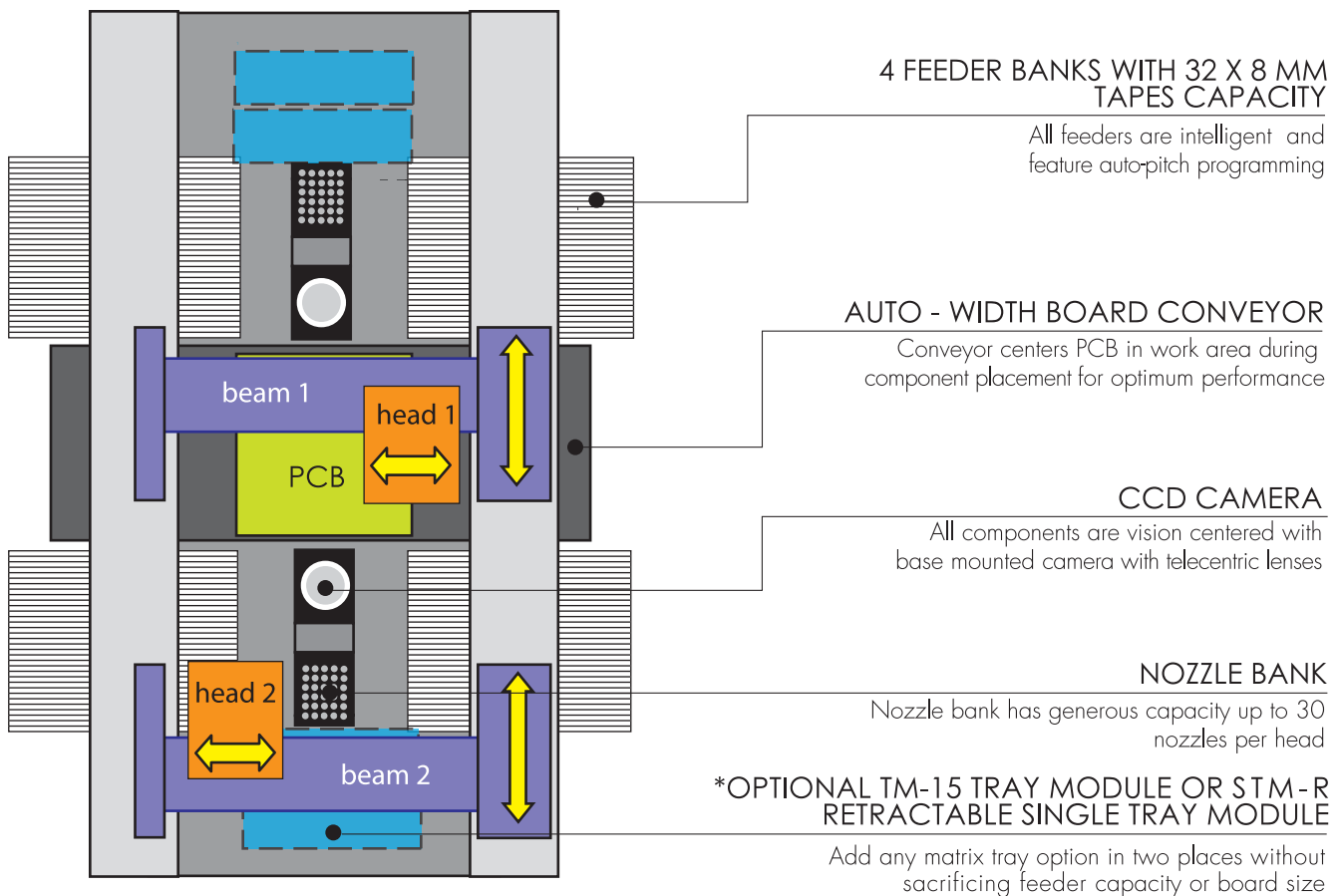
- ▶ 128 x 8-mm Tapes Capacity
- ▶ 25,000 CPH
- ▶ Up To 30 Matrix Trays
- ▶ Two 8-Spindle Heads
- ▶ Auto Centering Board Conveyor

Standard Features:

- Maintenance free linear motor gantry design
- Ultra compact footprint
- True intelligent feeders
- Robust vision centering using high
- Reliability backlighting
- Generous 400 x 460 (16"x18') placement area
- Easy to program and operate
- 2 free pmpt visits included

Key options:

- True traceability (level 5)
- Air track feeding technology
- Large board capability (up to 24") without feeder loss
- Adjustiflex feeders - one feeder for multiple tape widths
- Offline feeder setup with error free barcode system (Easy scan)
- Many cost effective tray solutions without compromise



| | | |
|---|-----------------------------|---|
| Feeder Capacity | | 128 x 8mm |
| Matrix Tray Capacity | | 1, 2, 15, 16, 30 |
| Number of Heads Spindles | | 2 Heads, 8 Spindles Each |
| Placement Rate | | 25,000 cph |
| Component Range | Smallest | 0.25mm X 0.5mm (0.01" X 0.02") |
| | Largest (Square) | 50mm X 50mm (1.97" X 1.97") |
| | Largest (Rectangle) | 26mm X 68mm (1.02" X 2.68") |
| | Maximum Height | 17mm (0.67"), 21mm (0.83") with Special Nozzle |
| Minimum Lead Pitch (Fine Pitch) | | 0.3mm / 12mil |
| Minimum Ball Size Diameter (micro BGA) | | 0.3mm / 12mil |
| Placement Accuracy | Chip | ± 65µm / 3 sigma |
| | QFP | ± 40µm / 3 sigma |
| Board Conveyor | Minimum | 55mm (2.2") |
| | Maximum | 400mm x 460mm (15.7" x 18.1") |
| | W/Large Board Option | 610mm x 460mm (24" x 18.1"), larger on request |
| | Thickness | 8mm (0.315") clearance (i.e. 6mm thickness + 2mm warp) |
| | Clearance Below Pcb | 40mm (1.57") |
| | Edge Clearance For Conveyor | 4mm (0.157") |
| | Conveyor Type | Single stage; left to right, or right to left travel direction (configurable), fixed front rail or fixed rear rail (programmable) |
| | Conveyor Height | 950mm (SMEMA) |
| Nozzle Changer | | Two nozzle banks (one for each head) 12 nozzles, standard; 30 maximum for each bank |
| X\Y Axis Motors & Measuring System | | Linear motors and touchless linear encoders with 5µ resolution |
| Z Axis Motors | | DC Servo Motors (8 per head) with 18µ resolution |
| Rotation (Theta) Motors | | DC Servo Motors with .005 degree resolution |
| Alignment Method | | 100% Fly by vision alignment with full lead/ball inspection |
| Camera Type | | CCD |
| Lens Type | | Telecentric |
| Lighting | Standard | Strobe backlighting |
| | Optional | Strobe frontlighting for bottom leaded devices, I.E. BGA's/micro BGA's |
| Facility Requirements | Depth | 2,520mm (99.21") |
| | Width (With Feeders) | 1,670mm (65.75") |
| | Height (With Status Light) | 1,850mm (72.83") |
| | Weight (Without Feeders) | 1815 kg / 4000 lb. |
| | Electrical Connection | 208 V, 3 phase 50/60 hz / 25 amps |
| | Compressed Air Supply | 6 Bar (85 psi), 10 cfm clean, dry, oil free, filtered 2 mm |
| | Environment | 15 - 25°C, 50 - 70% relative humidity |