

APIL AUTO PRINTING LABEL, INSPECTION AND LABELLING

THE SOLUTION FOR HIGH VOLUME MANUFACTUREING OF PCBA

Getech provides high volume manufacturing automation solutions for the Electronics industry. APIL is a inline fully automated system for PCBA.



FEATURES

AUTO LABELLING PCBA

INSPECT FOR PRINT DEFECTS INCLUDING OCR DECODE

INSPECT FOR PLACEMENT ACCURACY

TWO PRINTERS TO SUPPORT 2 LABELS PER PRODUCT

INLINE SYSTEM USING SMEMA

ON-DEMAND PRINT AND PRE-PRINTED LABEL SUPPORT

SECS/GEM INTERFACE TO TESTERS

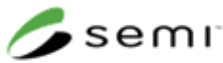
SEMI S2, S8 & F47 COMPLIANCE

ESD COMPLIANCE

USER FRIENDLY SOFTWARE



ISO 9001 : 2015 Cert. No.: 622220



Getech Automation's Inline Labeller APIL is a compact, high-precision solution for on-demand PCBA labelling. It supports BarTender or pre-printed Zebra labels, performs 100% OCR and barcode quality inspection, and automatically rejects non-compliant labels. A SCARA robot applies labels with fiducial correction, followed by vision verification to ensure accuracy. The ESD-compliant system integrates with MES platforms, meets SEM standards, and supports dual printers for labels as small as 7 × 7 mm.

SPECIFICATIONS

Panel Size in mm	320 x 250	: L x W
Pick and Place	Scara Robot	: Dual tip : Quick change label heads : Label reject station for placing reject labels
PCBA Panel Transport	3 stage conveyor	: Inline system : SMEMA communication to up / down stream systems : Panel barcode scanner for traceability : Process conveyor clamping to align PCBA panel
Throughput	Cycle time	: 2.8 sec / label with 12up panel
Accuracy	+/- 0.7 mm	: Cpk > 1.67
Printers and Label Feed	2 printers	: ZT610 printers. : BarTender for Label design and printing : Support on demand and pre-printed labels : Label shuttle axis for label transfer from Printer to Scara Robot
Change Over Time	Conversion Time	: 15 min. : Conversion required when form factor
Inspection system	3 vision system	: PC based vision system : Label Inspection: Keep Out Zone check, OCR decode, Barcode decode, and Print quality grading : Post Labelling Inspection: Check for placement accuracy. Barcode decoding for traceability
Traceability	Panel ID	: Panel is traced using Panel ID 2D barcode
Industry Compliance	SEMI ESD	: SECS/GEM compliance : SEMI S2/S8 compliance : SEM F47 compliance : ESD compliance
Machine Dimensions & Utilities	Machine Size (L x W x H) Power	: 1553 x 1653 x 1802 : 1P + N + E, 230VAC, Full Load Current: 6A : CDA: 6bar