

# FBH: Finished Board Handler

A fully automatic inline “Finished Board” off loader, ideal for memory boards

## Features:

- 1.5 seconds per memory module
- Automatic tray handling with a capacity to stack 10 trays
- Range of Pick up fingers to suit most module sizes
- Reject tray with alarm for tray replacement

*When the FBH is placed in line with either or both the RBM route and the ALP label placer, a platform for a completely automated **EOI** is achieved.*

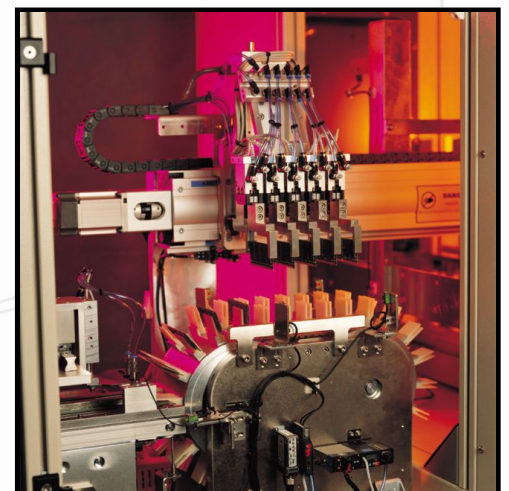


The FBH “Finished Board Handler” incorporates a 3 axis robotic PnP system to identify and place “accepted PCB’s” into a Tray Stacking system. Capable of stacking 10 empty and 10 full trays, with an option reject tray or bin.

PCB’s (memory modules) are received by conveyor and fed onto the flipper unit which then rotates them 90 degrees ready for loading into storage trays. The servo driven actuator Pick and Place arm is equipped with 5 pairs of pick up fingers with sensors fitted to check part present and miss-pick up. The whole process takes a little less than 1.5 seconds per memory module

Board sensors are positioned at various stages to determine board present and in the correct orientation. All pick and place actuators are interlocked with sensors to ensure that they are safely in the required position for each operation

Machine general specifications	
PCB size (mm)	Any memory module
Number of axis.	4 axis X, Y, Z and C (rotating).
Positional Accuracy/Speed	0.1mm / Positional speed up to 500mm per sec.
Placement per PCB	<1.5 secs
Interfacing	SMEMA electrical interface
Tray loading	Up to 10 trays (size dependant) Manually loaded.
Conveyor System:	Manually adjustable with variable belt speed.
Machine External Dim.	1.3(L) x 1.2 (D) x 1.7 (H) (Approx, depending on tray
Options	Scanner to read, Panel flip station, Reject station



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