

SSDFD FIRMWARE DOWNLOAD AND TEST

THE SOLUTION FOR HIGH VOLUME MANUFACTUREING OF SSD

Getech provides high volume manufacturing automation solutions for SSD industry. SSDFD is a standalone fully automated system to download firmware and test.



FEATURES

FIRMWARE DOWNLOAD AND TEST

HIGH SPEED LOADING AND UNLOADING BY 3-ROBOTS

SORT DRIVES TO TRAYS BASED ON TEST RESULTS

SUPPORTS M.2/U.2/U.3/E1.S/E3 SSD FORM FACTORS

LOAD AND UNLOAD TRAY STACKS AT LOADPORTS

INTERNAL RECYCLE TRAYS

SECS/GEM INTERFACE TO TESTERS

SEMI S2/S8 SAFETY COMPLIANCE

ESD COMPLIANCE

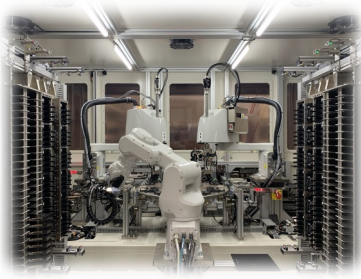
USER FRIENDLY SOFTWARE



ISO 9001 : 2015 Cert. No.: 622220

FIRMWARE DOWNLOAD AND TEST

Local Agent:



SSDFD uses same testers for all form factor SSDs. Drives are tracked through Drive Serial Number. Drives are processed lot by lot. Processed SSD are sorted to 2-BIN trays based on test test results.

SPECIFICATIONS

Form Factors	M.2, U.2, U.3, E1.S, E3	: 30mm – 110mm length; Handled using adapters : 7mm/15mm thickness : With and without enclosure : E3.S, E3.S 2T, E3.L, E3.L 2T
Interfaces	SATA PCIe	: Using interface converter cards
Loading	Scara robot	: Load port for loading tray stack of 20 trays : Tray singulation from bottom : Pick drive from tray and place to rotary indexer : Flipper
Tester	6-axis robot	: 96 tester slots : SuperMicro mother boards (testers) : Backplanes with U.2 connectors : Firmware download by customer developed software : Communication to tester through SECS/GEM host
Unloading	Scara robot	: Drives sorted to Pass and Reject trays based on test results : Associate tray Id and drive Id and send information to host : Stack trays from bottom (pass trays) : Unload port for unloading stack of 20 trays
Loadports	3 ports	Load tray, Empty tray, Unload tray
Throughput	Cycle time	: 9 secs per SSD
Change Over Time	Conversion Time	: 15 min. : Conversion required when form factor change
Drive handling	M.2, E1.S Transportation Flat trays	: Using adapters : Rotary indexer : Stackable trays
Traceability	SSD	: SSD serial number barcode : Tray serial number barcode
Industry Compliance	SEMI ESD	: SECS/GEM compliance : SEMI S2/S8 compliance : ESD compliance
Machine Dimensions & Utilities	Machine Size (W x D x H) Power	: 2570mm x 2530mm x 2265mm : 3P + N + E, 415 VAC, 20A