

Finger Crash Detect Option

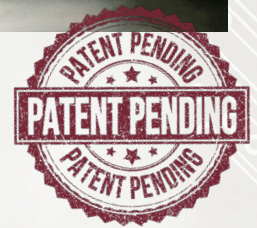
**Stay ahead of downtime with
the Finger Crash Detect option
for Wave Soldering!**

The proliferation of predictive capability in PCB manufacturing has triggered a multitude of innovation and development. PCB manufacturers want the ability to predict, detect and prevent any type of unplanned machine downtime and/or mitigate defect opportunities associated with PCB misalignment.

Electrovert's new Finger Crash Detect option provides the ability to detect bent fingers which could lead to PCB misalignment, PCB drop, defects, or unplanned downtime.

The Finger Crash Detect option is designed to fit within the existing finger conveyor system and validates each finger immediately after the process area. The option is available on both the standard conveyor and heavy-duty conveyor configurations.

An advantage of the Finger Crash Detect option is the integration into the machine software. If a bent finger is detected, the software will intuitively inform the operator that action is needed. The 'locate bent finger' function precisely identifies the position of the bent finger and automatically moves it to a user defined position, making replacement quick and efficient.



Key Features and Benefits:

- Continuous finger monitoring on both front and rear rails.
- Detects bent fingers prior to PCB entering the process area
- Automatic bent finger detection, triggering an alarm to alert the operator for action.
- User defined alarm functionality, including the ability to prevent PCBs from entering the machine.
- Robust design is installed onto existing conveyor system (no impact to machine footprint)
- Software integrated 'locate bent finger' significantly reduces maintenance time
- Durable stainless steel construction paired with high temperature rated sensor
- Field upgradeable



Finger Crash Detect Option

FINGER CRASH DETECT OPTION	
Model Compatibility	VectraElite and Electra
Compatibility by Conveyor Type	Standard and Heavy Duty conveyors
Continuous monitoring of each finger (front and rear rail)	Included
Software integrated "locate bent finger" function	Included
User defined alarm type	Included (Ignore, Warning, Soft Stop, Hard Stop and Block)
User defined location for finger replacement	Included
Sensitivity adjustment for fine tuning	Included
Field Upgradeable	VectraElite and Electra (VC2, VC3, EC3 and EC4 series)

ITW EAE is a division of Illinois Tool Works, Inc. It is a consolidation of all of its Electronic Assembly Equipment and Thermal Processing Technology. The group includes world-class products from MPM, Camalot, Electrovert, Vitronics Soltec and Despatch.

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