

## In-line System

### In-Circuit Functional Test System

CheckSum has been successfully automating board test for over 20 years. The new CheckSum ILS 3000 is a fully automated test platform. Paired with CheckSum In-Circuit Test, MultiWriter In-System Programming, and Parallel Functional Test electronics, the ILS 3000 provides the fastest automated solution available to electronics manufacturers.

High volume demands reliable automation.



## Test Systems designed for automated production lines

- SMEMA Compatible Conveyor
- Top and Bottom Probing Fixture System
- Up to 3000 Test Point Capability
- Ergonomically friendly slide-in fixtures, straight-in and out, top and bottom lock-in for safety
- Rapid and smooth press actuation
- Operator safety enclosure
- CE certification available
- Optional auto-rail width adjust feature
- Optional dual-level operation for functional testing



# In-Line System Operations

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- Connect the system to a standard compressed air line and an AC outlet.
- Open the front doors. With the doors open, the system sensors will disable pneumatic operation for operator safety.
- Slide-in the fixture top and base then press the fixture top lock buttons. Fixture changeover takes only a few seconds.
- Close the doors and load the test program. The system is now ready to test the first assembly and the SMEMA "Ready" is set.
- After the test is complete, the press automatically moves up so the assembly can be transferred to next machine and the system displays the test results.
- The board loader will transfer an assembly to the system. The system automatically moves the assembly to the test position and lowers the press to make spring-probe contact to the board.
- After the test is complete, the press automatically moves up so the assembly can be transferred to next machine and the system displays the test results.
- The test results status signals, Pass / Fail, are provided along with the Board Available signal to the next machine.

## Abbreviated Specifications

### Pneumatic Fixture System Features

- Standard ILS accommodates boards up to 340mm by 254mm (13.4 inches wide and 10 inches deep)
- The ILS 43 accommodates boards up to 400mm by 300mm (15.7 inches wide and 11.8 inches deep)
- The ILS 3000 accommodates boards up to 590mm x 380mm(23.2 inches x 14.9 inches deep)
- Optional auto rail width adjust
- Optional dual-level operation for combined functional and ICT testing.

### System dimensions

- Standard ILS and ILS 43 models: 100cm (W) x 85cm (D) x 210cm (H) (38.75 inches c 32.75 inches x 82.7 inches)
- ILS 3000: 104xm (W) x 96.2cm (D) x 212cm (H) (41 inches x 38 inches x 83.5 inches )

