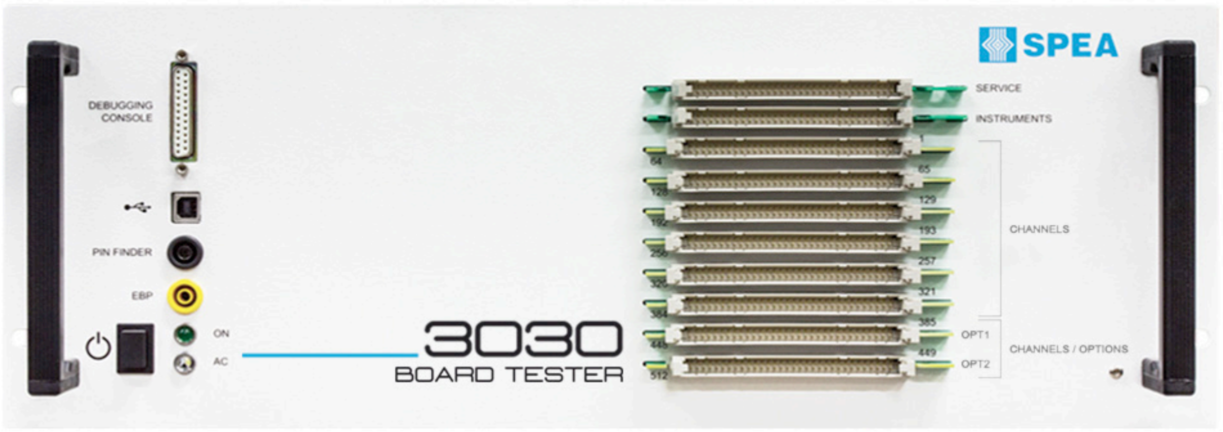
SPEA

Testing has never been so simple

3030

Bench Top

BENCHTOP MULTI-FUNCTION BOARD TESTER



- Benchtop-Size Low Cost Tester
- Hi-Speed In Circuit Test & Open Pin Scan
- Automatic Test Program Generation
- USB Connection to PC/Notebook
- Ready to find process faults & structural defects

3030 Bench Top

3030 Bench Top is the **benchtop size** In-Circuit tester, with a large test capability and a small, lab-bench footprint. It can perform **In-Circuit test** and **Open Pin Scan** and is able to **economically find process faults and structural defects**.

Smart and intuitive, **3030 BT** can be used without any test knowledge: **Leonardo** operating system **automatically generates and debugs** the test program, while a clear interface brings an **unskilled user** to get a stable production-ready test program in a **few clicks**.

Desktop computer or notebook: connected through **USB interface**, the **3030 BT** can work with any computer and is **ready to test**. Additionally, **3030 BT** can control any **remote receiver**, for full compatibility with existing fixtures.

Equipped with the same **high performance instrumentation** of SPEA 3030 series, the **3030 BT** guarantees **top level performance at entry level cost**. Furthermore, it can be installed in a **19-inch cabinet**, composing a multi-function test equipment that can grow according to the future needs.

With **3030 BT** you do not worry about test. Just test.

Easy to Use

The operating system **Leonardo** quickly **generates** and **automatically debugs** the test program, **without requiring any knowledge**. In few simple steps brings the user from data import to **production test**. Desktop computer or notebook can be easily connected through USB.

Test Program Transportability

3030 BT is equipped with an **internal CPU**. In this way the test program is **resident** in the internal processor and **runs independently** from PC timing. The **Test Program Transportability** is guaranteed: if the PC is changed, no tuning or re-debug of the test program is required.

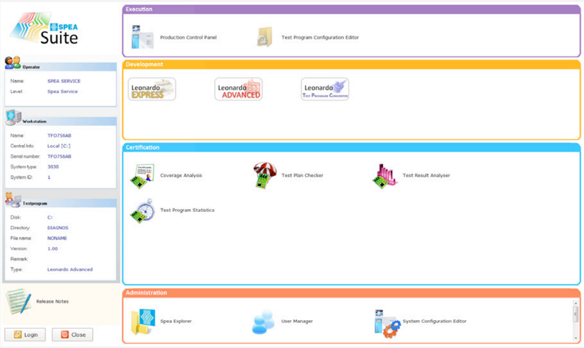
Small 19'' Footprint

3030 BT has been conceived to provide a low-cost but powerful testing solution inside a **lab-bench footprint**. The two front handles provide **easy carry** and **quick removal**, making **3030 BT** the perfect portable tester.

Modular Architecture

The **modular architecture** of **3030 BT** allows to build your own configurable multi-function tester. With its **4U 19-inch frame** it can be easily used on the **workbench**, but also **mounted** inside a standard rack case, composing a **multi-function test equipment** according to your needs.

Leonardo. Easy. Fast. Self-programming



Operator
Name: SPEA SERVICE
Level: Spea Service

Workstation
Name: TFO756AB
Central Info: Local [C:]
Serial number: TFO756AB
System type: 3030
System ID: 1

Testprogram
Disk: C:
Directory: DIAGNOS
File name: NONAME
Version: 1.00
Remark:
Type: Leonardo Advanced

- **No need for test engineer** or expert technician to develop and debug the test program
- Automatic test program generation in **1/2 hour**
- **Automatic** debug & tuning
- **Minimized** application development costs: automatic generation of the file for fixture drilling and wiring
- Automatic **CAD data recognition & import**
- **- 50% test program generation time** compared to previous generation
- Automatic execution of **Built in Self Test** (BIST) to perform functional test in remarkable reduced time
- **User-friendly** intuitive graphic interface

Performance
has never cost so little

Forget field return

3030 BT has been designed to help electronics manufacturers boost their **product quality**. By executing various test techniques with its high-performance instrumentation and stimuli, **3030 BT** can **reliably find faults** undetectable by functional testers and standard ICT tester.

Cost-effective Per-Pin Architecture

Each **3030 BT** channel is **configurable by test program.** Every nail can be used to perform any kind of test. This instrument/receiver **1:1 ratio** guarantees several benefits: faster test generation, easy ECO management, full flexibility.

Designed to last

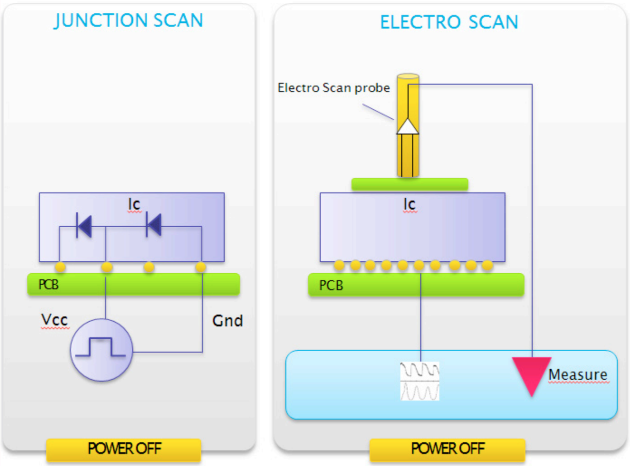
State-of-art mechanics. Cable-less connections. 16-bit instrumentation. 8-wire measurements. PC-Independent Architecture. Everything has been designed to guarantee a reliable test at the lowest cost - even after **years of intensive use** - with an always **up-to-date equipment**.

Test Capabilities

With its **Full In-Circuit Test**, **3030 BT** can **easily and quickly** find **any process fault**: short circuits and open circuits, incorrect component insertion, wrong value components, diodes, transistors or ICs incorrect orientation.

Open Pin Scan finds **structural defects** such wrong polarity, polarized capacitors backwards, incorrectly mounted connectors, RF capacitor presence (stray capacitors).

Open Pin Scan



Two vector-less test techniques detect **open pins** and other process defects in **easy** and **fast way**

Analyze & optimize your process

QSoft is the **control software** developed by SPEA to **monitor**, **analyze** and **optimize** the production process.

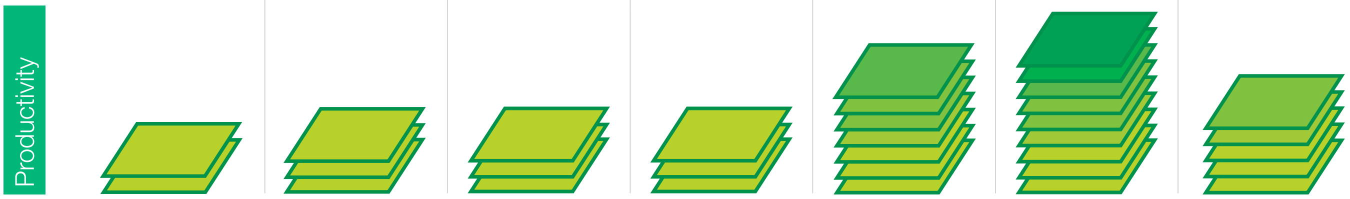
- Integrated **data collection** from manual and automatic station
- Real time **production monitoring** and **analysis**
- Immediate **report generation**
- **Repair** station automator

Easy control of any receiver

3030 BT can easily control **one or two levels receivers**

3030 - Product Range

Model	3030 Bench Top	3030 Rack	3030 Compact	3030 Compact Extended	3030 Multimode	3030 Inline	3030 Tower
	Bench Top 19" modular tester	Zero Footprint embedded tester	Small footprint multifunction tester	Multifunction inline-compatible tester	High scalability multifunction tester	Lowest cost of test inline tester	Modular & customizable functional tester
Channels	512	1536	2048	2048	4096	4096	768



3030 Bench Top - Specifications

Main Characteristic

Test Core	
Configuration - Core x Channels	1x512
Analog channels - Characteristics	100V, 1A
Manual Loading Receiver	
Actuation	Pneumatic - Manual
Interface	
Connectors	Yes
Environment Requirements	
Transport temperature range	-25°C ÷ +55°C
Environmental temperature range	15°C ÷ 32°C
Measurement temperature range	15°C ÷ 32°C
Humidity	≥20% ÷ ≤70%
System Specification	
Body main dimensions (L x W x H)	466x483x177 mm

Measure Capability

Resistance	
Range	1mΩ ÷ 1GΩ
Inductance	
Range	1μH ÷ 1H
Capacitance	
Range	0.5pF ÷ 1F

Test Type

Electrical test	
ICT - In Circuit Test	Yes
Open Pin Scan	Yes
Open / Short	Yes

kiwa certified
CERMET
CERTIFIED MANAGEMENT SYSTEM
UNI EN ISO 9001:2008 14001:2004

CE
equipment certified

semi

MEMS Industry Group®

SILICON SAXONY
MY FAVORITE PLACE

SPEA

info@spea.com - www.spea.com

Code: 82130223.077 V8 - Designed by: Umberto Zola, Alessandro Demaria - SPEA Confidential and Proprietary