

2018 SPEA 4060 S Flying Probe Tester

High-Performance Flying Probe PCB Test System

The 2018 SPEA 4060 S Flying Probe Tester is a high-performance in-circuit and functional PCB testing system designed for advanced electronics manufacturing. Equipped with four ZPROMEA-12 flying probes, Active Shield technology, comprehensive analog and digital instrumentation, and the highest-tier Leonardo Suite FLY YA Gold software package, the system delivers exceptional test accuracy, high-speed inspection, and extensive diagnostics for prototype, NPI, and high-mix production environments.

Key Features

- 4 High-Precision ZPROMEA-12 Flying Probes
- Active Shield Analog & Digital Test Technology
- Very High-Speed (VHS) Testing Licensed
- High-Level Analog (HLA) Testing Licensed
- Junction Scan (JTAG / Boundary Scan) Licensed
- Leonardo Suite FLY YA Gold Software
- QSoft Suite Gold Quality Analysis
- Nodal Impedance Testing (NIZT) Licensed
- High-Speed Analog & Digital PCB Testing
- Production-Ready Industrial Equipment

Machine Specifications

- Manufacturer: SPEA S.p.A.
- Model: 4060 S
- Machine Type: Flying Probe Tester
- Manufacturing Year: 2018
- Serial Number: TQxxx
- Operating System: Windows 7 + Leonardo Suite OS1 v3.10
- Certification: CE
- Condition: Used – Fully Functional

Technical Specifications

Probe Configuration

- Number of Probes: 4 × ZPROMEA-12 (Top Side)
- Probe Type: Analog/Digital with Active Shield
- Frequency Divider: Active on All Four Probes
- Repeatability: 10 µm
- Minimum Pad Size: 01005 (0.4 × 0.2 mm)

Installed Instrumentation

- Driver #1: ±10 V / 100 mA / 200 kHz Signal Generator
- Driver #2: ±50 V / 100 mA High-Voltage Driver
- Active Guard: ±10 V / 100 mA with Sensing
- Booster I: ±40 V / 3 A / 100 W Current Booster
- Booster V: ±100 V / 1 A / 100 W Voltage Booster
- DVM / Digitizer: ±100 V AC/DC, 2 µs High-Speed Acquisition
- Frequency Meter: 10 MHz / 10 ns Resolution
- Scanner: 64 Analog Channels with Expansion & Frequency Divider
- Digital I/O: 8 Opto-Isolated Inputs + 8 Normally Open Relay Outputs

Software Licenses

- Flying Probe 40xx-VHS (Very High Speed Mode)
- Flying Probe 40xx-HLA (High Level Analog)
- Junction Scan (JTAG / Boundary Scan)
- Leonardo NZT (Nodal Impedance Test) ×2
- Leonardo Suite FLY YA Gold (Highest License Tier)
- QSoft Suite Gold (Quality Analysis)
- Leonardo Fly YA Release 3.10
- Leonardo Test Program Execution YA
- QSoft Release 3.50
- License Dongles Included: 3

Physical Specifications

- Power Requirement: 230 VAC

- Phase: Single Phase (1PH + N)

Production Counters

- Operating Hours: 13,490 Hours
- Power-On Test: 24 June 2026
- System Status: 100% PASS