



# RAPIDO™ RPS 910

Embedded JTAG programming,  
board test and functional test



- high-speed programming of electronic assemblies
- structural and functional test
- handling of up to 64 assemblies simultaneously
- fast project change in less than five minutes
- flexible MES connection



## Hardware

- industrial suited VPC adapter interface
- fast, scalable SCANFLEX hardware
- power management for all boards in the panel
- industrial computer with RAID backup
- UPS for security during supply interruptions

## Mechanics

- reliable double stroke test head with pneumatic control
- interchangeable top and bottom fixtures for nail access
- automatically adjustable conveyor
- 19" area for device integration

## Digital test

- infrastructure and connection test
- RAM test
- cluster test
- optional extension with analog/digital I/O channels
- signal generator / frequency measurement

## Analog test

- optional extension with analog measurement card
- analog voltage measurement and stimuli
- time evaluation of analog signals and voltages
- signal analysis within mixed-signal test

## General technical parameters

dimensions (W x H x D)	appx. 1,450 mm x 2,000 mm x 900 mm
weight	300 - 400 kg
input voltage	100 - 240 V AC / 50 - 60 Hz
pneumatic	nominal value 6 bar
power	max. appx. 2.500 VA
environment	15 °C - 40 °C

## Control and mechanics

line control	SMEMA-9851
adaption	exchange cassettes
contact	up to 900 / 3,000 nails (double-sided)
press down unit	pneumatic system

## Functional test

- test of external interfaces
- functional test of application
- calibration of assembly

## Characteristics

- fast structure test, programming and functional verification in the panel
- sophisticated UUT power-up management
- very fast project change due to automatic adapter identification
- support of all embedded technologies
- global system and application support

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## Applications

- medium and large production volumes
- testing and programming
- mixed signal boards
- JTAG/Boundary Scan
- parallel panel test

## Software

- SYSTEM CASCON™ as basis for test development
- Tester Link Software (TLS) for intuitive handling
- online PASS/FAIL statistics during production
- integration of additional modules such as barcode scanners
- optional MES connection to line control

## Programming

- Nor/Nand Flash programming
- MCU internal programming
- PLD/CPLD programming
- JTAG/Non-JTAG programming
- In-system programming
- Bad-Block-Handling
- programming of dynamic production data, e.g. serial numbers, MAC addresses or data codes etc.

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