

# **@enics** adapt **FT3000** Functional testing

Enics Adapt test platform family provides efficient solutions for PCBA level and End of Line testing in volume production. With Enics Adapt test platforms it is possible to test both PCBA panels, individual modules and end products.



## **What is it**

Enics Adapt FT3000 series is a comprehensive test platform for PCBA level and final testing in electronics production. It is designed to cover all the functional testing requirements of a modern electronics product. The Enics Adapt FT3000 series is CE compliant.

Test features can be customized based on customer product requirements.

The Enics Adapt FT3000 support the Enics Production Test Data Collection Tool, Enics Catch, but it can also be used in customer premises. When used in Enics, the test platforms are connected to Enics factory MES for full product traceability during manufacturing process.

## **Where's the Benefit**

Enics Adapt FT3000 series provides an ideal solution for comprehensive functional testing. Based on customer testing requirements, there are four different Test Platform Configuration options to choose from.

Fast switchover from one product to another is ensured by using full featured interface between test equipment rack and product-specific test adapter.

Enics Adapt FT3000 provides safe and efficient testing with off-the-shelf equipment, proven test software environment, and the possibility to develop the platform features with future measurement technologies.

### **More information:**

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## Technical Data

### Technical Details

- Dimensions (l x d x h)  
627 x 1936 x 1466 mm
- Weight 260kg
- Operating temperature 5-40°C  
(-41–104°F)
- Operating humidity 0-90%
- Relative humidity 80% max up to 31°C, decreasing linearly to 50% at 40 °C
- Three phase power system  
3x400V / 16A / 50Hz
- Indoor use
- Altitude 2000m max
- Max DUT size 350 x 230mm  
(larger sizes on special request)

### Software

- Enics Test SW Platform
- TestStand and LabVIEW debug environment

### Adapter Interface

- TTI Testron VGR12 Receiver
  - 2 power blocks VGRCB-32P
  - 7 signal block VGRCP-170H
  - 1 coax block VGRCP-32PF
- Safety protection incl. emergency stop over HW and SW

### Key Components

- Data acquisition equipment
- Oscilloscope
- Power Supplies
- Computer
- Power Distribution Unit (PDU)
- Fixture Interface
- All instruments can be customized

### Use Cases

- Functional testing
- Panel level testing
- Software programming of PCBs via test probes
- Software programming of fully assembled products via side connector
- Suitable for testing various types of electronics devices
- Parallel and batch test options for increased throughput
- Boundary Scan test can be integrated

### Standards

- EN61010-1
- EN61326-1

## Configuration Options

		BASIC	MEDIUM	HIGH	PREMIUM
DC power supply	Keysight N6752A, 50V / 10A / 100W	2	2	2	2
	Keysight N6774A, 35V, 8.5A / 300W	-	-	2	2
	Keysight N5772A, 600V / 2.6A / 1560W	-	•	•	•
AC power supply	BK Precision 9801, 0-300VAC / 300VA	-	•	•	•
DC electric load	BK Precision 8502, 0.1-500V / 0-15A / 300W	-	•	•	•
Digital Multimeter	Keysight 34465A, 6½ Digit	-	-	•	•
Digital Multimeter	Keysight 34980A, 6½ Digit	•	•	•	•
Multiplexer	Keysight 34921A, 40ch	1	1	2	2
RF Multiplexer	Keysight 34941A, 4x 1x4ch / 3Ghz	-	1	1	1
Gen Purpose switch	Keysight 34937A, 32ch	1	1	1	1
	Keysight 34938A 20ch / 5A	1	1	1	1
Matrix switch	Keysight 34932A, Dual 4x16ch	1	1	1	1
DA converter	Keysight 34951A, 4ch	-	-	1	1
Digital I/O	Keysight 34950A, 64ch	-	-	1	1
	NI PCI-6528, 24ch	•	•	•	•
Oscilloscope	Keysight DSOX2014A, 100MHz, 4ch	-	•	•	-
	Keysight MSOX3054A, 500MHz, 4ch	-	-	-	•
Waveform generator	Keysight DSOX2000-001, 20MHz	-	•	-	-
	Keysight 33512B, 20MHz	-	-	•	•
Source & Measure Unit	Keithley 2612B, ± 200V / 10A / 60 W	-	-	-	•

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