

## 1.4. H71001100. TFV-1 Functional & Vision Test Platform

- Functional and ICT Test platform for PCBs and assembled devices. Pneumatic DUT fixing system onto the test fixture.
- YAV switching boards CAN bus controlled installed in a Mass Interconnect Receiver. Each instrument includes NI LabView & TestStand drivers and Virtual Control Panels
- Interchangeable and self aligned mounting frame for one or multiple vision cameras.
- Mass Interconnect Receiver VPC G12 (12 slots)
- 24VDC Inputs/Outputs for DUT fixing system management
- Test fixture automatic identification system.
- 80 Digital/Analog I/O board YAV90832 included
- 19" Rack with 10 units free mounting space for additional instrumentation.
- Mains Power Supply Single Phase 230V 50-60Hz

TFV-1 Test Platform combines functional test and in-circuit test with interactive vision test, allowing all kind of display unit tests, including analogue mechanical instruments indicators.

Its powerful Mass Interconnect Interface Receiver VPC G12 can support the following signals: Analogue, Digital, High Frequency up to 40GHz, Power up to 50 Amp, Pneumatics and Optical.

YAV switching boards directly installed in the VPC G12 receiver do not need additional cabling between the instrument and Mass Interconnect Interface, improving speed and accuracy and providing the optimal signal integrity for the test.

The interchangeable test fixtures include a test probes protection system. The DUT fixing system onto the test fixture is provided by 4 pneumatic cylinders.



### Features

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| <ul style="list-style-type: none"> <li>➤ Max. DUT base dimensions</li> <li>➤ Receiver slots</li> <li>➤ Switching and fixture control</li> <li>➤ Power requirements</li> </ul> | <p>400 x 250 mm</p> <p>12</p> <p>CAN bus</p> <p>230V 50-60Hz 200 VA</p> |
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### ORDERING INFORMATION

Test Platform TFV-1 Functional and Vision Test with VPC Gemini 12 Receiver  
 Fixture 7000 ITA G12 DEVICE  
 Fixture 7010 ITA G12 Vision 470x270 fixing by pushers  
 Fixture 7020 ITA G12 Vision 470x270 fixing by grippers

### P/N

H7100 1100  
 H7200 7000  
 H7200 7010  
 H7200 7020

### Vision

- High Resolution Cameras with USB port
- Lighting System included
- Interchangeable camera frame with 3 axes camera positioning systems and mechanical polarization.
- Interchangeable fixture with quick connection system. Does not require positional adjustments.
- Optional cabinet for safe and dust free test fixtures and camera frames storage



# 1. OPEN TEST PLATFORMS



Fixture 7200.7010 with pushing bed of nails system and static pushers plate



Fixture **7200.7020** for testing PCBs, LEDs and Displays



Fixture **7200.7000** for testing assembled devices and gripper fixing system



Fixture **7200.7000** configured to test 4 assembled devices with push-buttons and display, simultaneously



Fixture replacement operation requires less than 2 minutes



Fixture enclosure has enough space for all necessary fixing elements and electrical components.

## Dimensions

