

G3 Final Tester

Testing platform for handset final testing

JOT G3 Final Tester is 'all-in-one' testing platform. It has been designed to execute multiple tests in a single platform and enables fully automated tests of mechanical, RF, electrical, audio, and visual interfaces of handsets. JOT G3 Final Tester provides you capacity, repeatability, and quality.

- Enables full automated final functional test in less than 80 seconds
- Minimizes the amount of test equipment and the handling time
- 'All-in-one' tester with small foot print 0.25 m²
- RF and audio shielded test chamber
- Minimizes product specific costs with product specific adapter
- Parallel testing for minimizing test time
- Platform independent Customer Test Sequencer integration
- Teach on one - Deploy to many. Minimizes production waste time in new product introduction.



MACHINE IDENTIFICATION

Machine name and code:
G3 Final Tester J409-114

STANDARD FEATURES

Robot Z-Package applications

- Ambient light source for ALS testing
- Light-cube for front camera blemish testing
- Integrated speaker for DUT microphone testing
- Integrated microphone with low-leak coupler for main speaker testing
- Artificial finger for touch testing

Integrated Data Acquisition (DAQ) Card for signal generation and analyzing

Robot finger magazine for automatic finger type change

Platform independent Test Sequencer integration

- HTTP Control interface (C# Client API available)
- Control based on 'move' and 'routing' commands
- No robotics/electronics know-how needed

Dynamic script loading

- Enables product specific scripts
- Multiple script location support

Operator and Maintenance operating modes

CONTACT INFO

www.jotautomation.com

TECHNICAL CHARACTERISTICS

Machine dimensions (L x D x H):
468 x 512 x 831 mm (18.43" x 20.12" x 32.72")

Weight: 70 kg (154 lb)

Audio isolation:

- 30 dB above 300 Hz
- Floating body to attenuate external vibration

RF chamber attenuation up to 30 dB

ESD-safe design (IEC 61000-4-2 Level 1 (3.5 kV conductive discharge to adapter inlet)

Robot work area: 180 x 180 mm (7.09" x 7.09")

RF connector quantity: 5 pcs

4 customer specific throughput openings

- Size 18 x 24 mm (0.71" x 0.95")

Product specific adapter

- Area: 210 x 300 mm (8.27" x 11.81")
- Effective work area (DUT size): 100 x 190 mm (3.94" x 7.48") (Adapter test components might limit work area)
- DUT maximum height 90 mm
- Change time less than 1 minute
- 10 controllable pneumatic connections
- 4 RF lines
- 2 pairs of power and sense lines
- 8 analog input, 6 analog output lines connected to DAQ-Card
- BUS controlled electronics

CE-safety compliant

OPTIONS

Machine Vision camera

- Camera visibility area (varies on camera type): 100 x 150 mm (3.94" x 5.91")

Optional Vision test SW available for verifying screen and camera functionality

Integrated DUT Power / Battery simulator

- LAN control
- Two isolated high current output voltages
- High current output, up to 5 A
- Precision current measurement, source and sink current
- Current limit
- Current sinking up to 2 A



INSTALLATION REQUIREMENTS

Power supply:

- 220-240 VAC / 50 Hz / 3 A
- 100-120 VAC / 60 Hz / 5 A

Compressed air connection: 0.6 MPa (87 psi)

Air consumption: Max 5 l/min (0.18 cfm)

