

# OPTOFIDELITY™ FUSION

## All-in-One Platform for Functional Testing for Quality Assurance of Smart Devices

OptoFidelity™ Fusion is an automated test platform for high volume testing of smart devices. It provides extensive test capabilities and highly efficient test cycle time with minimized handling. It can be used either manually, or integrated in a fully automated test line with various types of feeder mechanisms.



### FUSION BENEFITS

- + No product specific hardware costs
- + Zero downtime on phone model changes
- + Quick and easy configuration of new models
- + Fully configurable test parameters
- + Supports both manual and automatic handling
- + Minimal factory floor footprint
- + Fastest cycle time
- + Shortest handling time
- + Comprehensive result data generation

### DELIVERY CONTENTS

- Robotics for motion sensor testing
- Speaker & microphone for audio testing
- Actuators for testing touchscreen, buttons and connectors
- Light sources and test targets for camera testing
- Vision system for display testing
- Tool for introducing new phone models
- Graphical operator interface
- Integrated control electronics
- Result and configuration database server
- Wireless network access point
- Optional: label printer, barcode reader & tower light

### TEST FEATURES

- Audio: speaker, microphone, headset
- Touch & Force
- Display
- Fingerprint & HRM
- Camera & Flash
- Side keys, physical buttons & capacitive buttons
- S-Pen, SD, SIM
- Vibration
- Wireless connectivity: Bluetooth, WLAN, GPS, NFC, GSM
- Connectors: microUSB & USB-C
- Sensors: Compass, Accelerometer, Gyroscope, IR, ALS, Barometer, Proximity

### TECHNICAL DETAILS

<b>Dimensions:</b>	W 494 x L 783 x H 728 mm W 19.5 x L 30.8 x H 28.7 in
<b>Weight:</b>	95 kg / 209.4 lbs
<b>Operating temperature:</b>	15 - 40 C (59 - 104 F)
<b>Power supply:</b>	110/230 V, 50/60 Hz
<b>Compressed air:</b>	6 bar, max 5 l/min (0.18 cfm)
<b>Connectors:</b>	IEC 60320, USB Type A, RJ45

### DEVICE UNDER TEST

<b>Max outer dimensions:</b>	158.2 x 77.9 mm, 6.23 x 3.07 in
<b>Display size:</b>	up to 5.7 in

## KEY EXPERTISE

- ✓ Cognitive & Extremely Accurate Test Robotics
- ✓ Signal Processing
- ✓ Custom Applications Designs
- ✓ Test & Measurement Technology
- ✓ 3D Mechatronics Engineering
- ✓ VR / AR Performance Testing
- ✓ Software: LabView, C, C++, ObjectiveC, C#, Python, Java
- ✓ Factory Operations
- ✓ Mass Production
- ✓ Optical Measurement: Cameras, Optics Designs, Light Sources
- ✓ Machine Vision & Imaging Technologies

## CORE SERVICES

- ✓ Own factory in Zhuhai, China with manufacturing and delivery logistics capabilities
- ✓ Production Support
- ✓ Onsite Bring-Up & Commissioning
- ✓ Periodical Maintenance
- ✓ Updates & Upgrades
- ✓ Training



### First Line Support

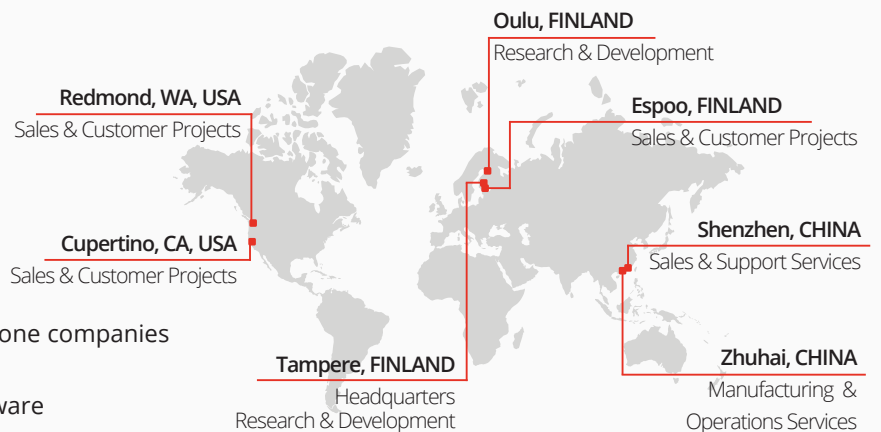
- First contact point
- Available onsite, 24/7
- Handles around 95 % of the cases

### Second Line Support

- Debugging capabilities
- Available onsite or on call
- Handles cases outside the scope of 1st line support

## OPTOFIDELITY IN A NUTSHELL

- ★ Established in 2005 at Tampere, Finland
- 👥 170+ true tech geeks worldwide
- 📍 Offices in 3 continents
- 🔧 5000+ delivered test systems
- 🤝 Collaborated with 8/10 largest mobile phone companies
- 🏆 Diverse expertise from software to hardware








## CONTACT INFORMATION

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