

Application Story

Electronics

Mobile phone shell measurement using Feather Touch Probes



Precision. Quality. Reliability

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The Product

Feather Touch Probes are designed specifically for applications where low tip forces are critical. Air is vented through the shroud at the front of the probe during actuation, which in turn cleans the bearing.



Range:	2 to 20 mm
Accuracy:	Up to 0.05% of reading
Resolution:	Up to 0.01 μm
Repeatability:	Up to 0.15 μm

The Challenge

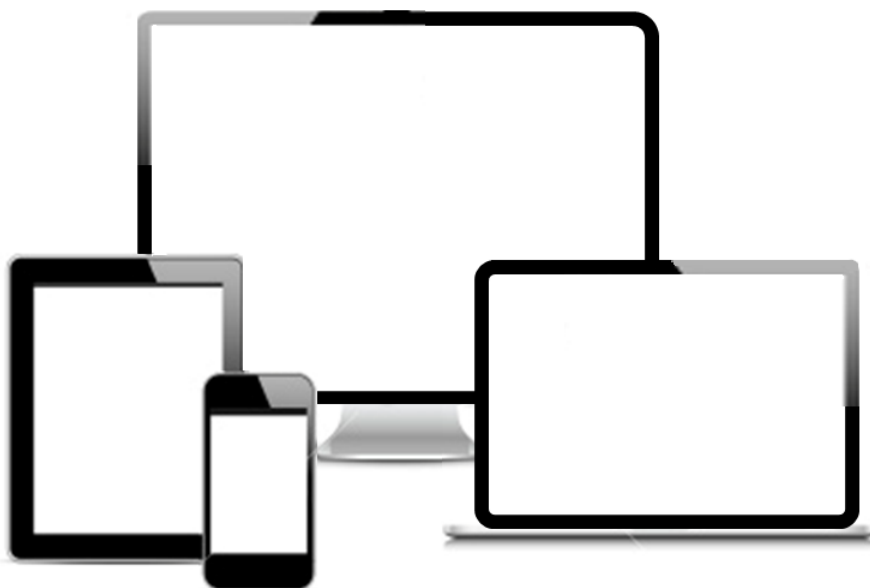
Many manufacturers of mobile phone shells choose to make a number of automatic equipments, including measuring equipment, to reduce the cost of labour. A multi-point measuring system is needed to determine whether a phone casing is of the exact dimensions required.

Ensuring measuring systems will not damage the product is of a high importance, particularly within the electronics industry. The dimension of a mobile phone casing needs to be precise, much like the majority of components used within electronics, and as technologies get ever more compact, this need is heightened.

The Solution

Using feather touch probes, with easy interconnection, a high accuracy and high quality, Solartron are able to provide a complete solution for the measurement of electronic components.

Digital probes are used to measure the shell dimensions of smart phones and personal computers.



United Kingdom - Head Office

Solartron Metrology
Steyning Way
Bognor Regis
West Sussex
PO22 9ST
Tel: +44 (0) 1243 833333
Fax: +44 (0) 1243 833322
Sales.solartronmetrology@ametek.com

France

Solartron Metrology
Rond-point de l'Espine des Champs
Buroplus - Bat. D
Elancourt 78990
Tel: +33 (0)1 30 68 89 50
Fax: +33 (0)1 30 68 89 59
france.solartronmetrology@ametek.com

Germany

Ametek GmbH
Solartron Metrology Division
Rudolf-Diesel-Strasse 16
40670 Meerbusch
Tel: +49 (0) 2159 9136 500
Fax: +49 (0) 2159 9136 505
vertrieb.solartron@ametek.de

India

Ametek Instruments India Private Limited
1st Floor, Left Wing
Prestige Featherlite Tech Park
Plot #148, EPIP II Phase
Whitefield, Bengaluru 560 066
Karnataka, India
Tel: +91 80 6782 3200
Fax: +91 80 6782 3232

USA

Solartron Metrology
USA Central Sales Office
915 N. New Hope Road, Suite C
Gastonia, NC 28054
Tel: +1 800 873 5838
Fax: +1 704 868 8466
usasales.solartronmetrology@ametek.com

China

AMETEK Commercial Enterprise (Shanghai) Co. Ltd
No. 155 Puhui Road
Ju Ting Economic Development Zone
Shanghai 200131
Tel: +86 21 5763 2509
Fax: +86 21 5866 0969 Ext. 261/262
china.solartronmetrology@ametek.com



Solartron Metrology

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Offices worldwide
Agent and distributor details
available at
www.solartronmetrology.com



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