

Solutions@Mecmesin

Dispensing Pump Assembly Testing

Specification

The customer manufactures a range of dispensing pumps for the cosmetic and beauty industry. A requirement was identified to measure the actuation force of the pump assembly and the pull-off force of the pump handle. The system needed to be quick and simple for operators to use within a production environment.

Solution

The VersaTest motorised test stand was chosen as it gave the necessary repeatability and consistency independent of operator, which a manual stand could not. A universal fixture was designed to hold the pump assembly securely for both tensile and compressive tests.

The 5000Hz sampling rate of the 500N Advanced Force Gauge ensured the most accurate reading for the pull-off test. The dual peak hold feature of the AFG also allowed quick and simple recording of peak values in both directions. The ease of use meant that large batches could be tested very quickly.

System

- VersaTest stand
- AFG 500N
- Universal fixture

Supplied to

Rieke Packaging Systems (Hangzhou) Co Ltd, China



Mecmesin Limited

Newton House, Spring Copse Business Park, Slinfold,
West Sussex, United Kingdom, RH13 0SZ

sales@mecmesin.com

t: +44 (0) 1403 799979

f: +44 (0) 1403 799975

www.mecmesin.com

packaging industry



packaging