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Wall-Mounted Air Freshener Load Test

Specification

The customer wished to apply a controlled load of 350N to a wall mounted air freshener, replicating the effect of a child standing on it. The load needed to be applied in turn to 4 different plains on the product e.g. top, bottom, middle and end.

The customer wished to carry out a non-destructive test to enable a comprehensive evaluation of the product and any associated wear characteristics. It was felt this process would be hindered if the sample had been destroyed during test.

Solution

The application was successfully solved using an UltraTest test stand, a 500N Advanced Force Gauge, and stand reverse cable with a bespoke fixture.

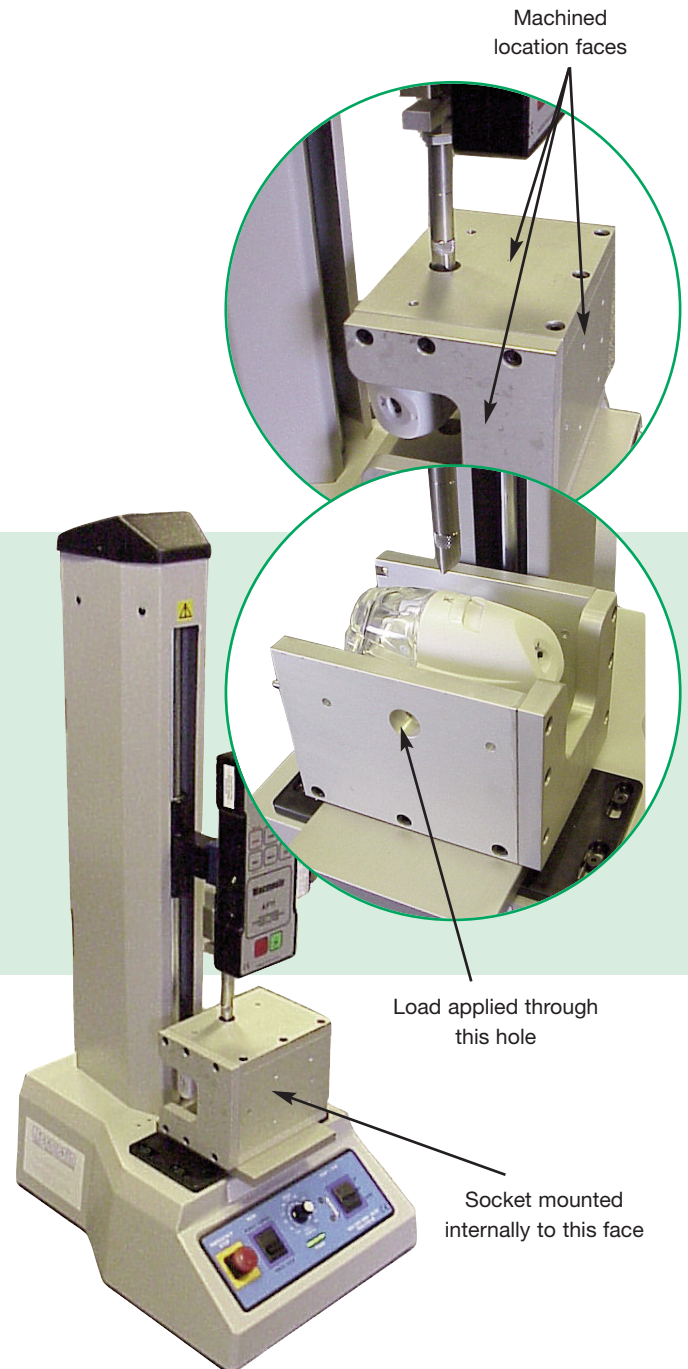
The fixture incorporated an interchangeable plug socket, which secured the air freshener as if wall mounted. The fixture was based around a machined box, which when located on different faces, presented the sample to the loadcell at the appropriate position.

System

- UltraTest
- 500N AFG
- Stand Reverse Cable
- Air Freshener Location Fixture

Solution

Reckitt Benckiser, UK



Mecmesin Limited

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

e: sales@mecmesin.com

t: +44 (0) 1403 799979

f: +44 (0) 1403 799975

www.mecmesin.com