

## Environmental Endurance Testing System Desktop Environmental Chamber

Endurance testing of planar and linear objects including E-Textiles, Flexible Displays, OLED devices, Barrier Film, Flat Cables, Flexible Printed Circuits, Wearables and automobile applications in a desktop-sized environmental chamber



# Pico Sphere

YUASA SYSTEM has been developing Tension-Free™ endurance testing systems since 2012. With our in-house expertise in mechanical, electrical, and software engineering, we have developed accurate testing methods for next generation devices, components, and materials. Tension-Free™ endurance testing reduces product design time by producing more consistent and reliable test data. Samples undergo the desired testing without being subjected to undesired tension introduced by the needs of the test equipment. As desired, our jigs also can operate with tension.

The Pico Sphere is a desktop environmental chamber, a small chamber that is slightly larger than the enclosed Jig. No mechanical pieces penetrate the shell of the chamber – the Motor Drive moves a strong magnet which in turn causes a strong magnet inside the chamber to move, thus moving the Jig. The entire desktop system, including Motor Drive and Jig and Chamber is 585 mm (23") wide by 390 mm (15.4") deep by 350mm (13.8") high. The weight is 36 kg (79.4 lb). As this is a prototype, the dimensions, weight, and appearance are subject to change.

[www.yuasa-system.jp/en](http://www.yuasa-system.jp/en)

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