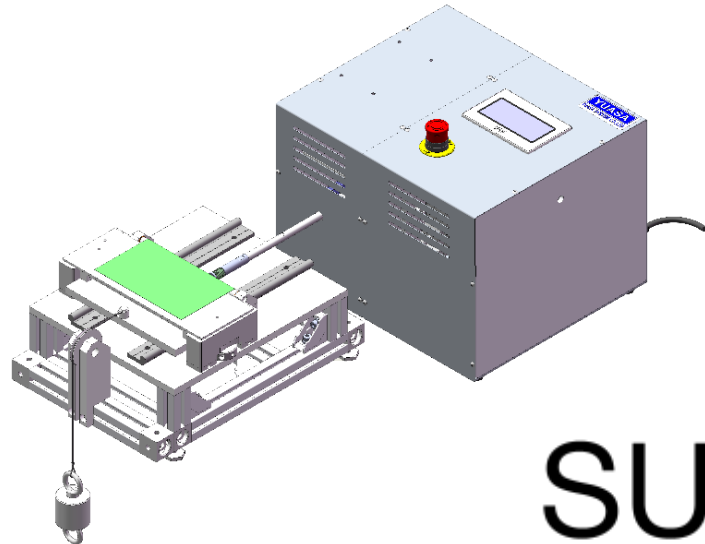


## Engineering concept

# Modular Desktop Endurance Testing System

## DMLHB/DMLHP + DMX-SU

Slide test for sheet objects including Flexible displays, OLED devices, Flat cables, Printed Circuits such as new generation smartphone, wearables and automobile applications.



Product designers, QC professionals and academia working with foldable displays, touchscreens, sensors, cables, flexible printed films and flexible hybrid electronics need to avoid catastrophic product failures. The solution is to obtain precise failure analysis, known as endurance testing, which can only be generated from continuous data synchronized with a series of motions to monitor the evolution of test samples over time.

Yuasa Systems delivers on Total Flexible Testing with over 30 interchangeable specific mechanical motion jigs powered by hush motor drives with linear or rotary drive motions; many of these endurance testing systems have an upgrade path to legacy or specifically integrated multi-environmental units; and can easily set-up, remote accessed, and experiment data can be shared global. Yuasa Systems and their partners also provide in-house testing services.

The SU has been developed to meet the specific need for precise short rolling testing for emerging sliding smartphone designs. The basic system configuration works with counterweights similar to the FU series but has more precise control to adjust to many common spring type motion mechanisms for mechanical extension.

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info@yuasa-system.jp  
<https://www.yuasa-system.jp/en>

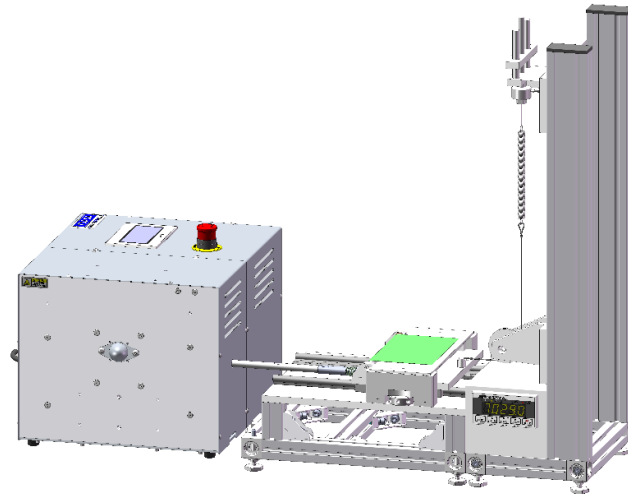
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The optional load-cell attachment with other non-contact sensor components can in addition, detect and replicate testing conditions for material sagging.

Anticipated to be compatible with HP and DR (with optional linear drive kit) motor drive units, Flexdata data analytics designed & developed in California, and works in both ambient and hostile conditions.

## Specification

Model #	DMLHB-SU	DMLHP-SU
Samples	Sheet or Linear sample	Sheet or Linear sample
Operating stroke	0 to $\pm 60$ mm	3 to 120 mm
Operating speed	10 to 120 rec/min	5 to 90 rec/min
Motor	DC brushless motor (DC24V, 3.5A, 20W)	Stepping motor (DC48V, 1.72A, 30W)
Power supply	AC100-240V, 50/60Hz, 100W	AC100-240V, 50/60Hz, 100W
Installation Tem range	+5 to +40°C	+5 to +40°C
Installation Humidity	15 to 85%RH (no condensation)	15 to 85%RH (no condensation)

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