

Tension-Free™ Modular Desktop Endurance Testing System v5 Multi-purpose Jig for U-shape Folding, Stretching, Pressing DMLHP-FS-N

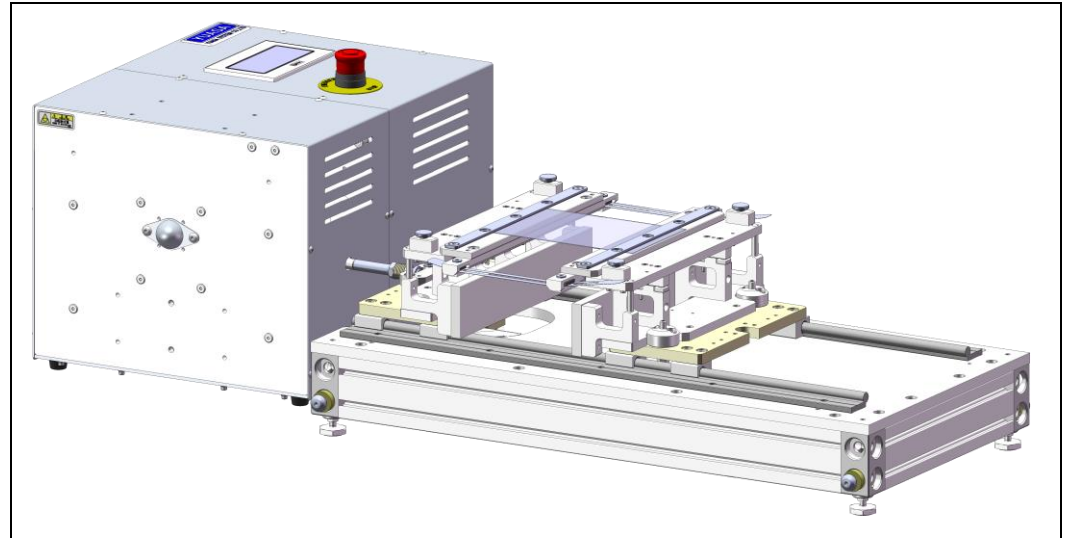
Test machine for planar objects including Flexible Displays, OLED devices, Barrier Film, Flat Cables, Flexible Printed Circuits, Wearables & automobile applications

Holds the test sample between a moving clamp and a fixed clamp.

Tension-Free™ U-shape Folding:
As the moving clamp approaches the fixed clamp the clamps rotate down and the test sample undergoes U-shape folding.

Stretching Mode:
As the moving clamp moves away from the fixed clamp the sample is stretched.

Pressing Mode:
As the moving clamp approaches the fixed clamp pressure is put on the sample.



FS-N

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.

The SMALL desktop motor unit DLMHP (Linear and Rotary Reciprocating Unit with stepping motor) drives the Press Down test jig. The DMLHP is both reliable and quiet due to its mechanical linkage design and by its use of rugged plastic gears that ensure endurance and low noise.

Features of the FS-N:

- Fold / Stretch / Press / 3-in-1 Tester
- New Press Motion (to 3D mold)
- Award winning U-shape Fold Motion
- Alternative Stretch Motion
- Improved Side Camera Positioning
- Hostile Integration
- Optical Integration
- Automation Integration

Multi-purpose Jig for U-shape Folding, Stretching, Pressing DMLHP-FS-N

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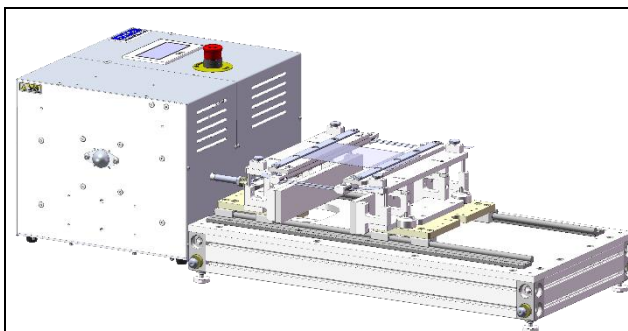
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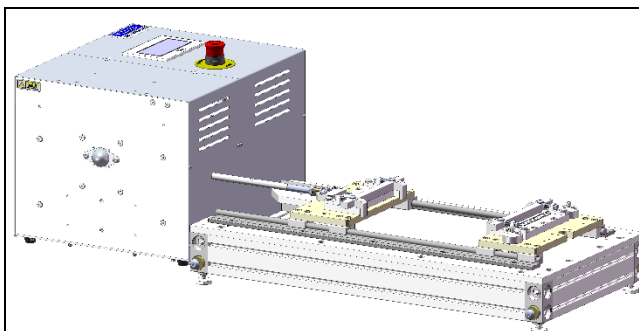
The FS-N has multiple test configurations. Modes can be U-shape Folding, U-shape Folding with a Cartridge, Variable Radius Folding, Stretching, and Pressing.



FS-N Mode 1

- U-shape Folding
- U-shape Folding with Cartridge
- Variable Radius Folding

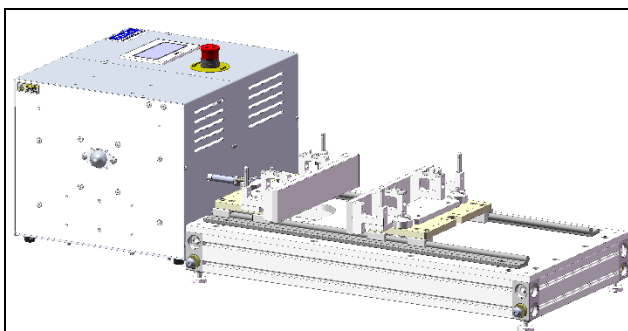
Characteristics and specifications are similar to the FS and the FS-C



FS-N Configuration 2

- Stretching

Characteristics and specifications are similar to the ST Test Machine



FS-N Configuration 3

- Pressing
- Variable Radius Folding

This is a new configuration that is not available in other test jigs

US SERVICES AVAILABLE

- Online training
- Technical support
- Installation & set-up
- Maintenance
- Guaranteed Warranty

www.yuasa-system.jp/en

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