Tension-Free™ Modular Desktop Endurance Testing System Jig for Tension-Free™ U-shape Folding Test DLDM111LH + DMX-FS

*Tension-Free™ U shape folding test 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. As the moving clamp approaches the fixed clamp they rotate down and the test sample undergoes Ushape folding. The HPR is Rotary Mode and can handle ten full rotations.





FS-C

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 SMALL desktop motor unit (Linear Reciprocating Unit) that drives the test jigs for U-shape folding, U-shape sliding, rolling-up, and pushing/pulling tests 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. Fully automatic testing is possible because of the disconnection detector and preset counter. The motor/drive unit can be decoupled from the control unit for further layout flexibility using the supplied connecting cable.

This Tension-Free™ U-shape folding test jig enables folding tests without tension for planar objects. This machine can form ideal bending shapes by the elasticity of test pieces or by using the guide plates.

FS-C Video -- https://www.youtube.com/watch?v= q52sVdoAaQ

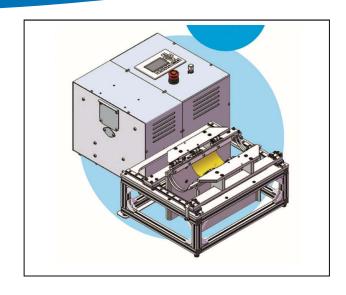
YUASA YUASA SYSTEM CO., LTD.

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EG



Tension-Free™ U-shape Folding Test	
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Specifications - Jig	Tension-Free™ U-shape Test Folding Jig
Jig Model Number	DMX-FS
Sample	Sheet or Linear samples
Sample thickness	3 mm (0.118") maximum
Sample width	224 mm (8.82") maximum
Sample length	56 mm (2.20") minimum (for clamping space)
Bending angle	0 - 180°
Bending radius	0 - 18 mm (0 - 0.709")
Operating stroke	0 to ±60 mm (0 to ±2.36")
Operating speed	10 - 90 rpm
Weight - Jig	7.5 kg (16.5 lb)
Weight - Cover	4 kg (8.8 lb)
Dimensions (mm)	306mm x 392mm x 290mm (WDH)
Dimensions (inches)	
Specifications - Base Unit	Linear Reciprocating Unit
Machine Model Number	DLDM111LH
Motor	DC Brushless Motor (DC 24V, 3.5A, 20W)
Counter	8 digit display
Operating stroke	0 to ±60 mm (0 to ±2.36")
Operating speed	10 - 120 rpm
Installation Temp range	+5 to +40°C
Installation Humidity	15 - 85% RH (no condensation)
Power supply	AC (100V-240V, 50Hz/60 Hz, 100W)
Weight	17 kg (37.5 lb)
Dimensions (mm)	446mm x 344mm x 290mm (WDH)
Dimensions (inches)	17.6" x 13.5" x 11.4" (WDH)
Attached units	
System Model Number	DLDMLH-FS
Weight	24.5 kg (54 lb)
Dimensions (mm)	614mm x 463mm x 290mm (WDH)
Dimensions (inches)	24.2" x 18.2" x 11.4"

US SERVICES AVAILABLE

Online training

Technical support

Installation & set-up

Maintenance

Guaranteed Warranty

www.yuasa-system.jp/en

YUASA YUASA SYSTEM CO., LTD.