

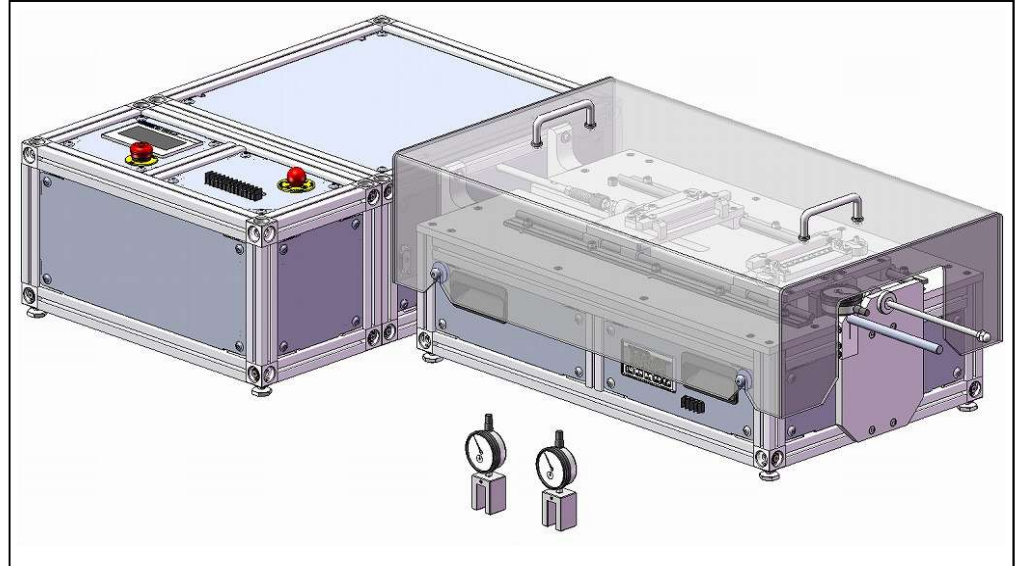
Environmental Endurance Testing System

Jig for Stretching Tester

DLD111L + ET254004-006

Stretching test for planar and linear objects including Flexible Displays, OLED devices, Barrier Film, Flat Cables, Flexible Printed Circuits, Wearables & automobile applications

The test jig holds the test sample between a moving clamp and a fixed clamp. As the moving clamp moves away from the fixed clamp the sample is stretched.



ST-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. As desired, our jigs also can operate with tension.

The motor unit (Linear Reciprocating Unit) drives the stretching test jig for planar and linear objects.

The test jig enables stretching tests for planar and linear objects to a constant length repeatedly.

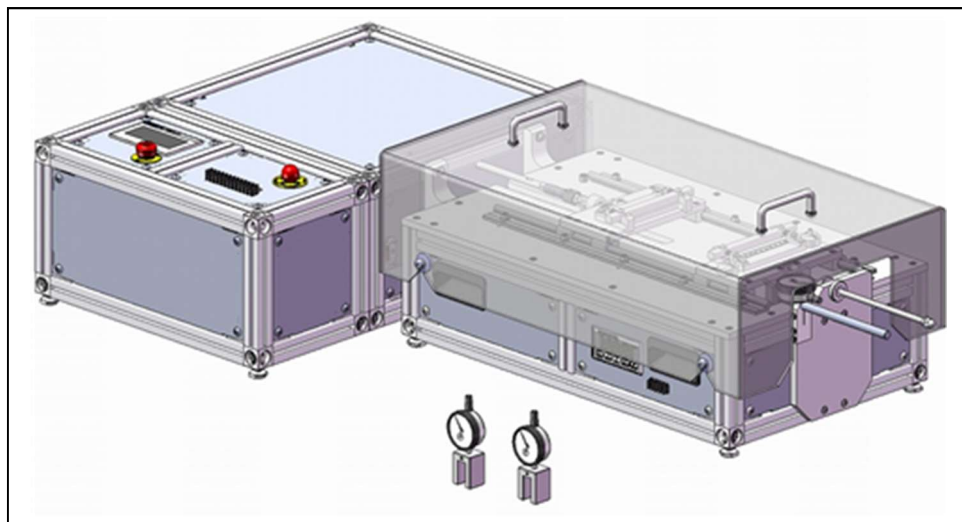
The test jig can be installed in the environmental chamber with optional parts.

ST-N Video -- https://www.youtube.com/watch?v=1_jZyZZDxWw

Jig for Stretching Tester DLD111L + ET254004-006

Stretching test for planar and linear objects including Flexible Displays, OLED devices, Barrier Film, Flat Cables, Flexible Printed Circuits, Wearables & automobile applications

The test jig holds the test sample between a moving clamp and a fixed clamp. As the moving clamp moves away from the fixed clamp the sample is stretched.



ST-N	
Stretching Test	
Specifications - Jig	Stretching Test Jig
Jig Model Number	ET254004-006
Sample	Sheet or Linear samples
Sample thickness	3 mm (0.118") maximum
Sample width	100 mm (3.94") maximum
Sample length	30 mm (0.787") plus clamping space minimum
Stretching length	240 mm (9.49") maximum
Stretching length example	30 mm to 270 mm, 120 mm to 360 mm
Tension	100 N (22.48 pounds-force) maximum
Operating distance	0 to ±120 mm (0 to ±4.72")
Operating speed	10 - 90 rpm
Weight - Jig	34 kg (74.9 lb)
Weight - Cover	4.5 kg (9.9 lb)
Dimensions (mm)	700mm x 430mm x 241mm (WDH)
Dimensions (inches)	27.55" x 16.92" x 9.49" (WDH)
Power supply	AC (100V-240V, 50Hz or 60Hz)
Specifications - Base Unit	Linear Reciprocating Unit
Machine Model Number	DLD111L
Motor	Induction gearmotor, 3 Phases, 90 W
Counter	8-digits display (with pre-set)
Reciprocating speed	10 - 90 rec./min
Reciprocating distance	0 to ±120 mm (0 to ±4.72")
Installation Temp range	+5 to +40°C (+41 to +104°F)
Installation Humidity	15 - 85% RH (no condensation)
Power supply	AC (100V-110V, 50Hz or 60 Hz, 1 Phase, 5A)
Power supply (optional)	AC (200V-240V, 50Hz or 60 Hz, 1 Phase, 5A)
Weight	50 kg (110.2 lb)
Dimensions (mm)	450mm x 675mm x 241mm (WDH)
Dimensions (inches)	17.72" x 26.57" x 9.49" (WDH)
Attached units	
System Model Number	ET254004-006
Weight	88.5 kg (195.1 lb)
Dimensions (mm)	1672mm x 750mm x 318.5mm (WDH)
Dimensions (inches)	65.82" x 29.52" x 12.53" (WDH)
※Should prepare an outlet separated from driving unit to prevent from getting	
※Additional options:	
· Squashing gauges (to measure the gap of clamp.)	
· Minute adjuster (consist of the adjustment screw and the dial gauge.)	
· Can order the clampers according to the sample.	

US SERVICES AVAILABLE

Online training

Technical support

Installation & set-up

Maintenance

Guaranteed Warranty

www.yuasa-system.jp/en

YUASA YUASA SYSTEM CO., LTD.

For further information please email: info@yuasa-system.jp