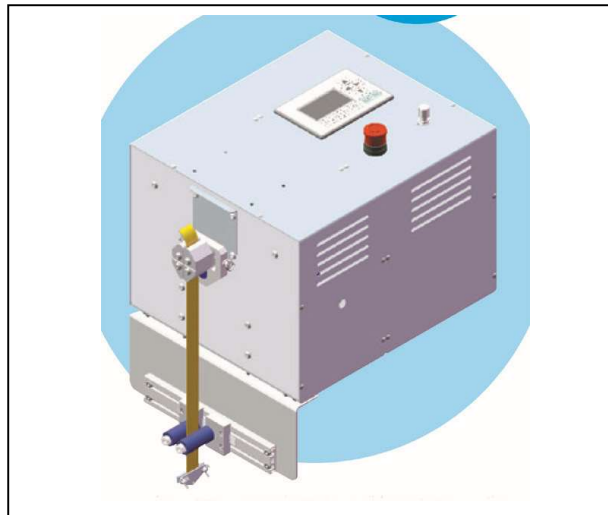


Modular Desktop Endurance Testing System Jig for Bending Test TCDLDM111LH + DMX-P150

*Bending test for planar objects including Flexible Displays, OLED devices, Barrier Film, Flat Cables, Flexible Printed Circuits, Wearables & automobile applications and for linear objects including Cables (Electric Wires, Optical Fibers), Harnesses, Cable Guides, Tubes, Wires, Fibers, Wearables & automobile applications

*Conforms to JIS C 3005, JIS C 6851, JIS C 9335, JIS C 5016 standards

*Bend Rollers on the motor/drive unit hold the test sample and bend it while a second fixed set of Bend Rollers steady the test sample.



P150

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 bending and torsion 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.

Test bending of objects such as cables, harnesses, flexible displays, etc., can be conducted quickly and easily. Objects up to 16mm (0.62") thick and 30 mm (1.18") wide can be bent as much as 180° with a radius of 2.5mm (0.1") to 40mm (1.57"). Based on JIS, this machine allows many different tests using weights.

P150 Video -- <https://www.youtube.com/watch?v=XtLYpi2s2b0>

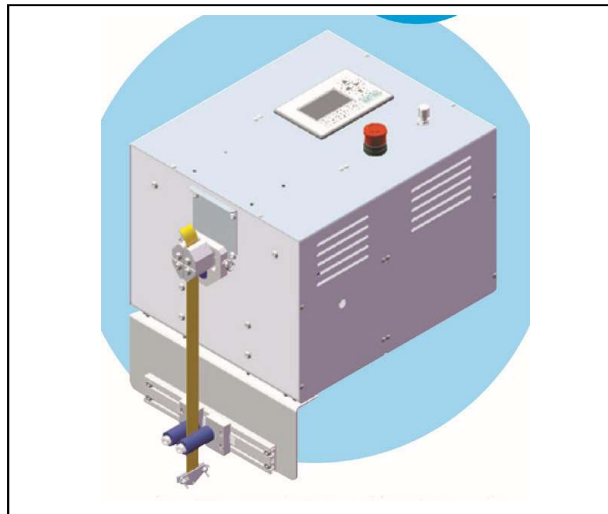
Jig for Bending Test

TCDLDM111LH + DMX-P150

*Bending test for planar objects including Flexible Displays, OLED devices, Barrier Film, Flat Cables, Flexible Printed Circuits, Wearables & automobile applications and for linear objects including Cables (Electric Wires, Optical Fibers), Harnesses, Cable Guides, Tubes, Wires, Fibers, Wearables & automobile applications

*Conforms to JIS C 3005, JIS C 6851, JIS C 9335, JIS C 5016 standards

*Bend Rollers on the motor/drive unit hold the test sample and bend it while a second fixed set of Bend Rollers steady the test sample.



P150	
Bending Test	
Specifications - Jig	Bending Test Jig
Jig Model Number	DMX-P150
Sample	Sheet or Linear samples
Sample thickness	16 mm (0.63") maximum
Sample width	30 mm (1.18") maximum
Bending radius	2.5 - 40mm (0.1 - 1.57")
Bending angle	0 to ±180°
Bend Rollers	2.5, 10, 30, 40mm (0.1, 0.39, 1.18, 1.57")
Included Bend Rollers	10 mm (0.39")
Operating speed	Depends on moment of inertia and bend
Weight - Jig	2.5 kg (5.5 lb) (R10 swing plate and checker)
Weight - Cover	1.0 kg (2.2 lb)
Dimensions (mm)	293mm x 90mm x 385.5mm (WDH)
Dimensions (inches)	11.5" x 3.5" x 15.2" (WDH)
Specifications - Base Unit	Rotary Reciprocating Unit
Machine Model Number	TCDM111LH
Motor	DC Brushless Motor (DC 24V, 3.5A, 20W)
Counter	8 digit display
Operating angle	0 to ±270°
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)	319mm x 355mm x 290mm (WDH)
Dimensions (inches)	12.6" x 14.0" x 11.4" (WDH)
Attached units	
System Model Number	TCDMLH-P150
Weight	19.5 kg (43 lb)
Dimensions (mm)	319mm x 434mm x 402.5mm (WDH)
Dimensions (inches)	12.6" x 17.1" x 15.8" (WDH)

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