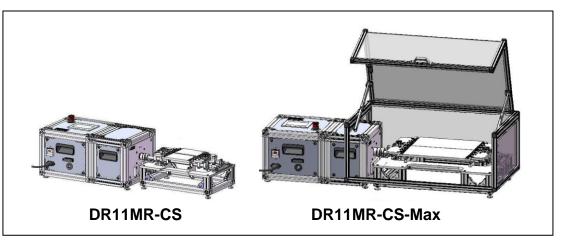
Preliminary

Tension-Free™ Modular Desktop Endurance Testing System CS Clamshell Motion Benchtop Platform

Tension-Free[™] Clamshell-type flexing 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

The Tension-Free[™] Double Jointed Clamshell structure can flex samples with a 0.5 mm radius without putting tensile stress on the sample. Samples will change naturally.

The sample can be mounted on a cartridge and then loaded onto the test jig.



CS-Max

The Tension-Free™ Clamshell-type flexing test jig enables flexing tests without tension for linear and planar objects.

Enables interchangeable holding plate sizes (S, M, L, XL)

Wide variation of optical imaging systems (HD Video, Dino-Lite, IDS etc.)

Expanding analytical packages on Flexdata (Remote Surveillance, Edge Delamination, Multi-layer Delamination, Material Deformation)

CS-Max can be used with various size cartridges, 13" to 19.5"

Model	Sample Plates (mm)	Sample Sizes
S	W 110 x L 160	A6 / 13"
Μ	W 170 x L 160	A5 / B6 / 14"
L	W 234 x L 160	A4 / B6 / 15.5"
XL	W 400 x L 160	A4 / B4 / 19.5"

Display Compatibility

- Foldable Smartphones

- Foldable Notebooks

Features

- Camera on both sides with built-in prism
- Two sets of cartridges can be mounted on the jig like CS-Twin
- Can be used in chamber



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Preliminary

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1011	sion-Free™ Clamshell-type Flexi		
One office the second	DR11MR-CS	DR11MR-CS-Max (preliminary)	
Specifications - Jig	CS	CS-Max	
Jig Model Number			
Sample	Sheet or Linear samples		
Sample thickness	1 mm (0.039") maximum		
Sample width	130 mm (5.12") maximum	tbd	
Sample length minimum		amping space	
Sample length maximum	190 mm (7.48")	tbd	
Optional Cartridge	N/A	tbd	
Flexing angle	0 - 180°		
Flexing radius	0.5 - 5.0 mm (0.020 - 0.197")		
Flexing force	· · · · · · · · · · · · · · · · · · ·	t pounds) maximum	
Permissible Torque		6.5 Nm (4.8 ft lb)	
Flexing speed	about 5 ~ 60 rec/min (30 ~ 360 deg/sec)		
Weight - Jig	about 9.0 kg (19.85 lb)	about 22 kg (48.5 lb) (includes cover	
Weight - Cover	about 3.0 kg (6.6 lb)	about 3.3 kg (7.3 lb) (only door)	
Dimensions (mm)	400mm x 260mm x 180mm (WDH)	570mm x 360mm x 180mm (WDH)	
Dimensions (inches)	15.75" x 10.2" x 7.1" (WDH)	22.4" x 14.2" x 7.1" (WDH)	
Specifications - Cartridge		1	
Weight - Cartridge (1 set)	about 1.0 kg (2.2 lb)	tbd	
Dimensions (mm)	188mm x 190mm x 19mm (WDH)	tbd	
Dimensions (inches)	7.40" x 7.48" x 0.748 (WDH)	tbd	
Shims to set flexing radius	0.05 - 5.0 mr	n (0.002 to 0.2 ")	
Specifications - Base Unit	-	iprocating Unit	
Machine Model Number	DR11MR	DR11MR4	
Power supply	AC (100V-240V, 50Hz/60 Hz, 500VA)		
Motor	Stepping Motor Type		
Motor power	DC 48V, 3.55A, 100W		
Gear box	1/15		
Reciprocating angle	7 ~ ±3600 deg		
Rotation speed	1 ~ 1200 deg/sec		
Positioning accuracy	0.05 deg		
Permissible torque	6.5 Nm (4.8 ft lb)		
Permissible Moment of Inertia	2.0 x 10 ⁻³ kg/m ²		
Output Shaft Static Rated Moment	1.5 Nm		
Counter	· · · · · · · · · · · · · · · · · · ·	it display	
Installation Temp range		(+41 to +104°F)	
Installation Humidity	15 - 85% RH (no condensation)		
Weight	about 20 kg (44.1 lb)		
Dimensions (mm)	500mm x 300mm x 288mm (WDH)		
Dimensions (inches)	19.69" x 11.8" x 11.34" (WDH)	23.62" x 11.81" x 11.34" (WDH)	
Attached units with Cover			
System Model Number	DR11MR-CS	DR11MR4-CS-Max	
Weight	about 33 kg (72.7 lb)	tbd	
Dimensions (mm)	952mm x 459mm x 312mm	1134mm x 460mm x 334mm (WDH)	
Dimensions (inches)	37.5" x 18.1" x 12.3" (WDH)	44.65" x 18.1" x 13.1" (WDH)	

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US SERVICES AVAILABLE

Online training

Technical support

Installation & set-up

Maintenance

Guaranteed Warranty

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

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