

Modular Desktop Endurance Testing System
Motor Drive Unit
BR Rotary and Linear Drive

v7

Simple, Fast,
Affordable and
Compact Motor Drive
Unit

Fixed Speed Rotary
Motion with Preset
Blocks

Fixed Speed
Reciprocal Distance
with Preset Blocks

Compatible with:

BEND: P150,
C4/2/1BR

TWIST: FT, TW

FOLD: FS-N, FU, SU

STRETCH: ST, FS*



BR

YUASA SYSTEM has been developing endurance or continuous testing systems for flexible electronics since 1997. With our in-house expertise in mechanical, electrical and software engineering, we have developed accurate testing methods for next generation devices, components and materials.

This COMPACT desktop motor drive unit drives test jigs for Bending (both P150 and C4/2/1BR jigs), Torsion (both FT Tension-Free and TW jigs), Folding (FS-N multi-tester, FU and SU slide roll testers) and Elongation (ST) machines.

The BR is perfectly suited for a simple, fast compact size used as a travel unit or an ancillary unit in both ambient and hostile conditions for short runs and comes with an adjustable height table to enable smoother connections to jigs.

The BR has a Rotary Mode with several standard preset angle blocks ($\pm 45^\circ$, $\pm 90^\circ$, $\pm 135^\circ$) and a Linear Mode with preset reciprocal distances (± 10 mm, ± 20 mm, ± 30 mm). The BR is available with 100-120V 50/60 Hz and an AC adapter in non-100/120V territories.

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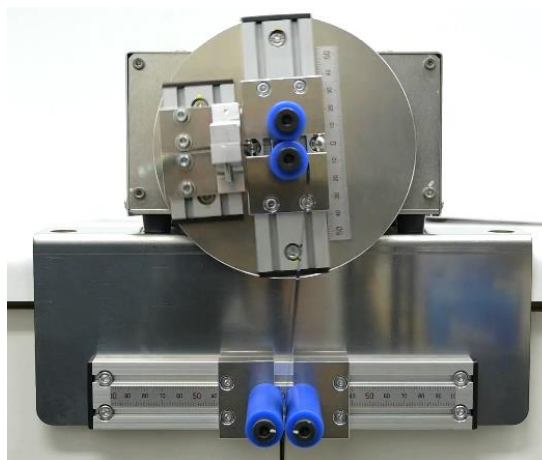
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	BR
	Desktop Motor Drive Unit Bento Box Series
	<i>(prototype technical specs as of 2023/2/23, subject to change)</i>
Specifications	Rotary Drive and Linear Drive
Electrical Power	AC100-120V (50/60 Hz) 50VA
Motor	AC Induction Motor (100-120V, 0.3A, 10W)
Motor Gear Head*	can be ordered as necessary 1/25 or 1/30 or 1/50 or 1/75 or 1/150
Reciprocating Speed 50 Hz	50 rec./min (fixed)
Reciprocating Speed 60 Hz	60 rec./min (fixed)
Reciprocation Angle	Preset to $\pm 45^\circ$ or $\pm 90^\circ$ or $\pm 135^\circ$
Reciprocation Distance	Preset to ± 10 mm or ± 20 mm or ± 30 mm
Permissible Torque/	0.8 Nm
Output	160-200 N at ± 10 mm, 80-200 N at ± 20 mm, 50-200 N at ± 30 mm
Counter	5-digit mechanical style
Installation Temperature	$-10 \sim +40^\circ$ C ($+14 \sim +104^\circ$ F)
Installation Humidity	15 ~ 85% RH (no condensation)
Dimensions (mm)	182 mm x 259 mm x 110 mm (WDH)
Dimensions (inches)	7.17" x 10.2" x 4.33" (WDH)
Weight	about 6.5 kg (about 13.6 lb)
* Note	Higher gear ratio makes reciprocation speed slower

US SERVICES AVAILABLE

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

www.yuasa-system.jp/en

YUASA YUASA SYSTEM CO., LTD.

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