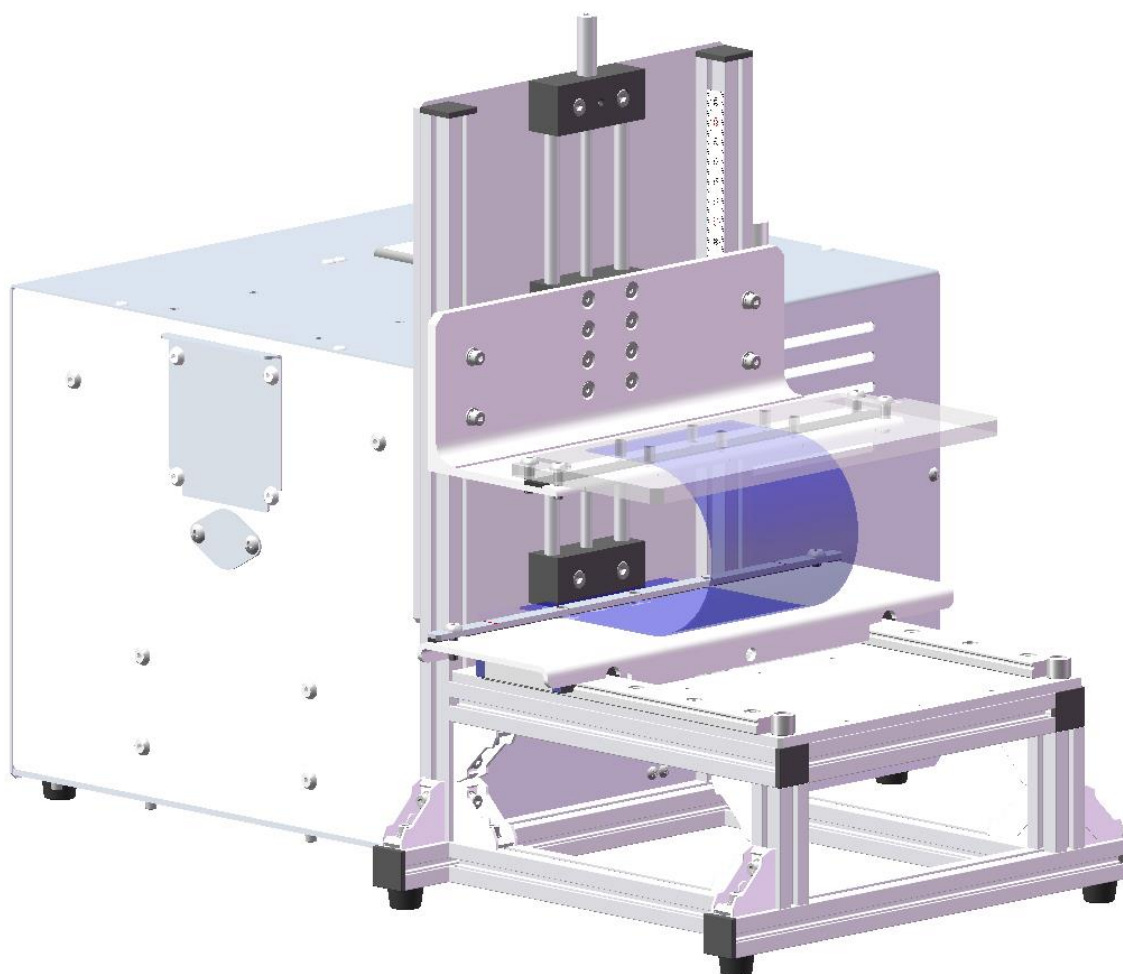


Multi-function Smaller Footprint Desktop Model
Endurance Testing Machine
U-Shape Folding Test Jig
USER MANUAL

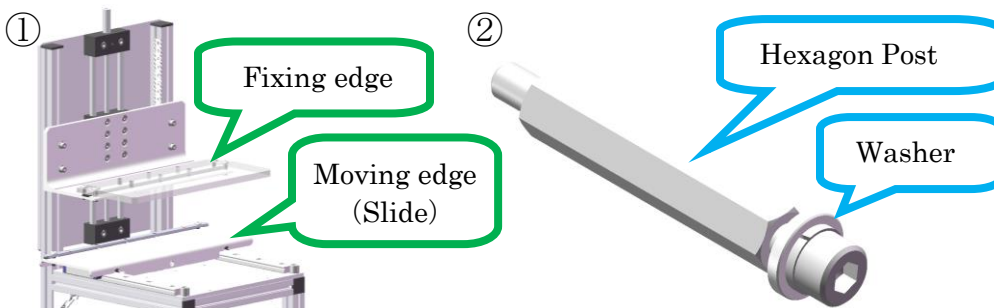


◇Product Overview

The jig is for u-shape folding test with multi-function smaller footprint desktop model endurance testing machine(DLDM111LH).

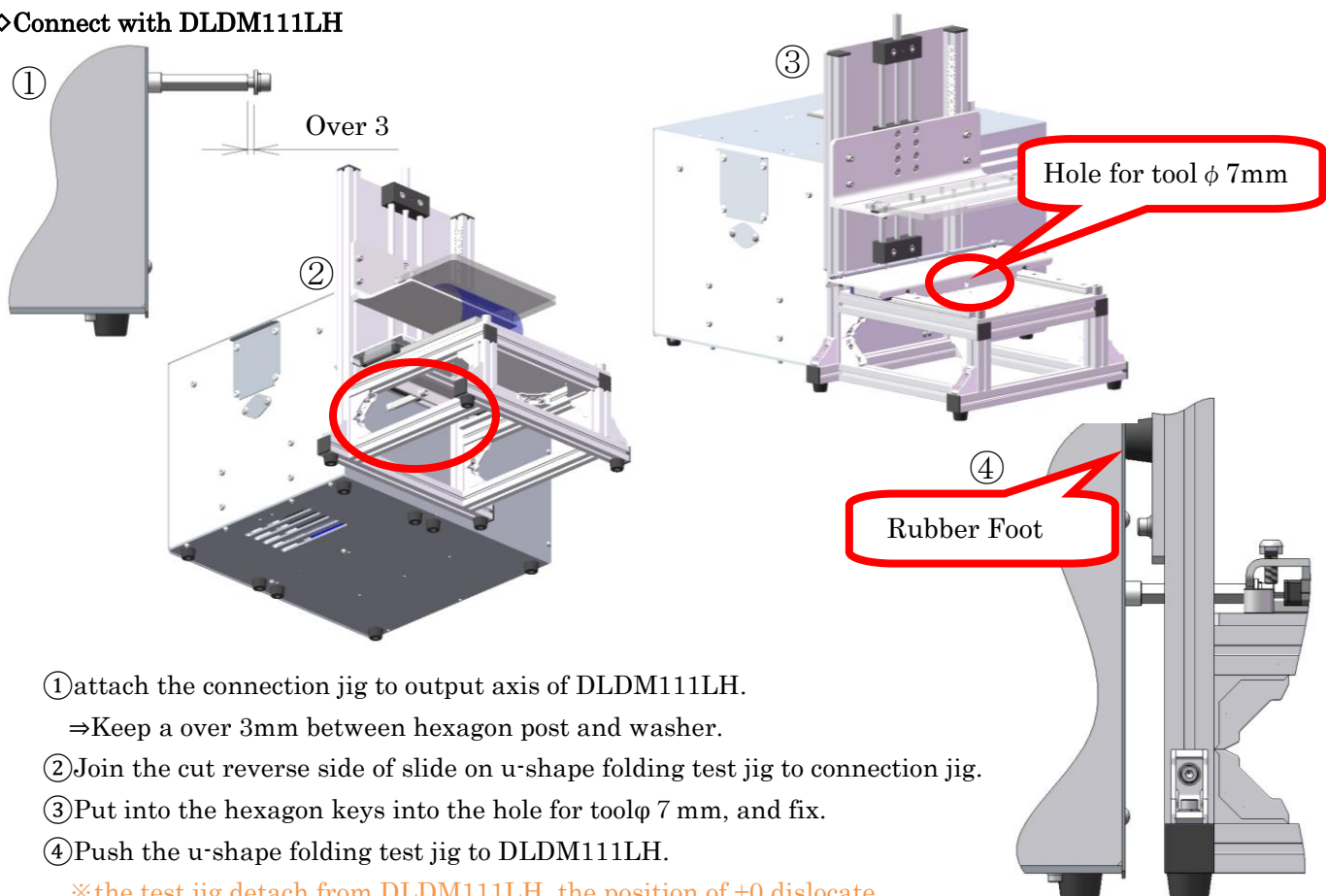
Test Pieces Size	width : 215 mm, thickness : 3 mm
Stroke Capacity	0~±60 mm
Fold Radius	1 ~ 80 mm (in case: object thickness 0 mm ※refer to another section)
Operating Speed[MAX]	90 r/min
Dimensions (including DLDM111LH)	560W x 410D x 430H
Net Weight	about 7 kg

◇Composition Parts



- ①U-shape Folding Test Jig × 1
- ②Connection Jig × 1 set

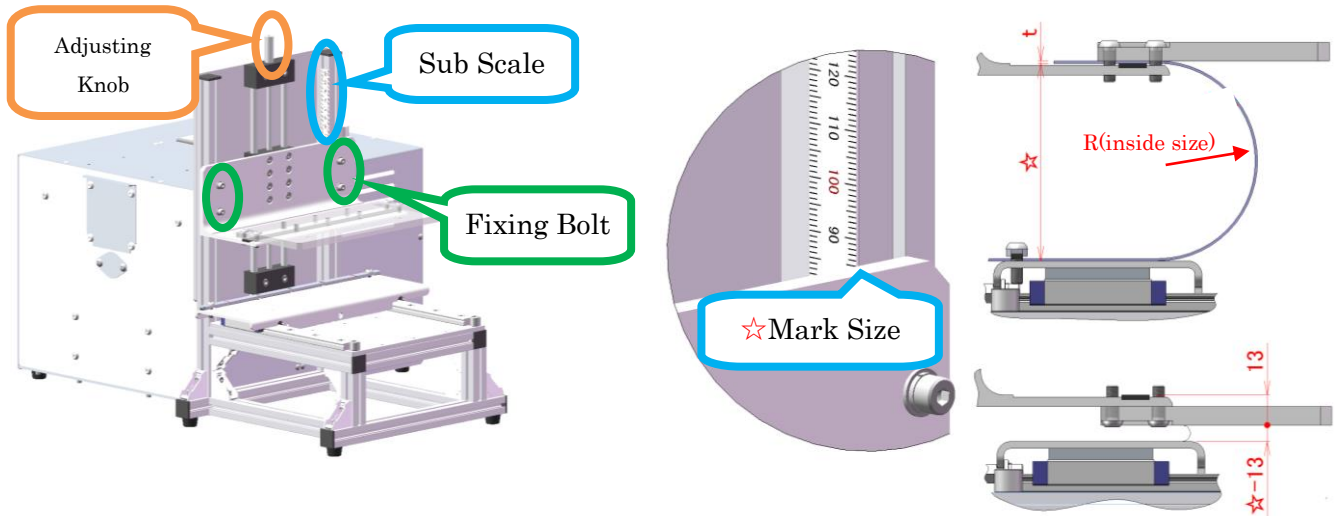
◇Connect with DLDM111LH



- ①attach the connection jig to output axis of DLDM111LH.
⇒Keep a over 3mm between hexagon post and washer.
- ②Join the cut reverse side of slide on u-shape folding test jig to connection jig.
- ③Put into the hexagon keys into the hole for tool ϕ 7 mm, and fix.
- ④Push the u-shape folding test jig to DLDM111LH.

※the test jig detach from DLDM111LH, the position of ± 0 dislocate.

◇Setting the Fold Radius



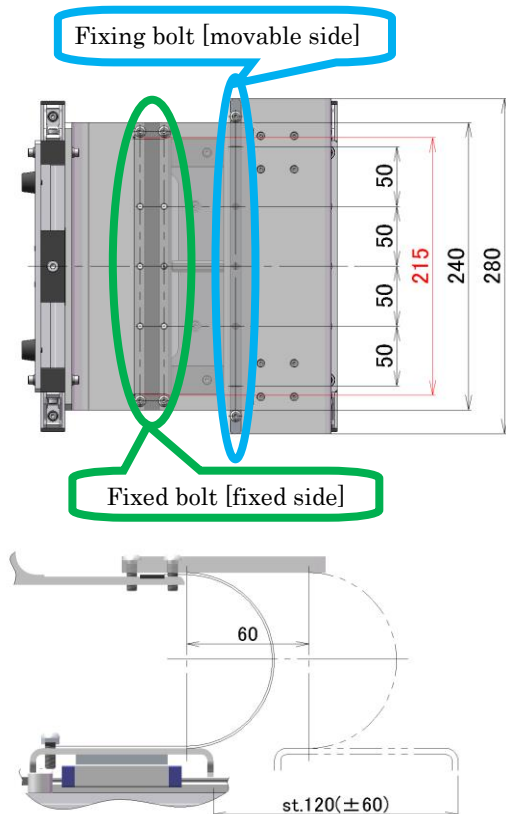
- ①Loose the fixing bolt (4 pieces) . (Hexagon Keys 3mm)
 - ②Refer the subscale, and adjust the height of the edge of jig by adjusting knob.
 - ③Fasten the fixing bolt (4 pieces) . (Hexagon Keys 3mm)
- ※It is possible to figure the bend radius (inside size) .

$$(\text{reading of scale} - \text{object thickness}) \div 2$$

Ex. In case, scale 85 mm、object thickness 1 mm $\Rightarrow (85 - 1) \div 2 = 42$ mm

※In case the fixing clamp attach to the back of fixing jig, it is possible to fold the object with the minimum fold radius. (**BUT** clamp CAN NOT use, because of interference. Please fix with tape etc.)

◇Setting the Test Pieces



- ①Fixing bolt[fixed side] (4 pieces) (Hexagon Keys 3mm)
- ②Fixing bolt[movable side] (2 pieces) (Hexagon Keys 3mm)

- It is possible to hold the test piece up to 215 mm.
- It is possible to lean the press board with the power of 4 fixing bolt.
- When the object's width is narrow or holding some objects at the same time, each press jig transform like bow and it is possible to decline the holding power in the center. It can improve that the dummy as same as test piece or a little thick hold outside of fixing bolt.

- The center of fold radius move to the half of slider's moving.

Especially, when try the test of long stroke, you must pay attention that not break the test piece with interfering or not protrude from press board.

※After changing the fold radius or changing test piece, absolutely try the workout in low speed.

- When the press power of clamp is weak or test some objects at the same time, it is possible to add fixing bolt by 50mm pitch.

◇Maintenance

You must check the jig regularly, because this test jig is demanded the endurance.

Part	Content	Time
LM Guide	Working smoothly	Once every 3 months

※ After the long break, **absolutely** check this part.

◇Troubleshooting

Trouble	Cause	Resolution
Don't work the jig	① the test piece too short ? ?	Set the test piece correct length.
	② The slide bump on edge of back and forward ?	Push the jig to DLDM111LH
Strange sound/ Strange operation.	①Work the Linear Guide smoothly ? ...other	Please contact us

※In other case, if you have any question please contact us.

◇The List of Recommendation Spare Parts

No	Name	Type	Number	Maker	Note
1	C-Lube Linear Way	MLFG24C1R190HS1	2	IKO	No Maintenance

WARNING

- Please check this machine by people having special knowledge.
There might be electric shock and injury, fire.

ATTENTION

- Before start running, check around the machine sufficiently.
- Too dangerous of loosening the bolt of moving part.
Absolutely check the bolt whether the bolt fasten, and start the test.
- **DO NOT** use over basic specifications this machine.
- **DO NOT** insert a hand into the machine on running.
- Pull the outlet in checking machine.
- **DO NOT** repair and dismantle, convert. There might be injury.
- **DO NOT** attach except the accessories.
There might be break the machine.
- When you will throw away this machine,
Please dispose this machine as an industrial wastes.

YUASA Systematic Equipment Co., Ltd.

2292-1 KIBITSU, KITA-KU, OKAYAMA-CITY 701-1341 JAPAN

PHONE +81-86-287-9030

FAX +81-86-287-2298

URL <http://www.yuasa-system.jp>