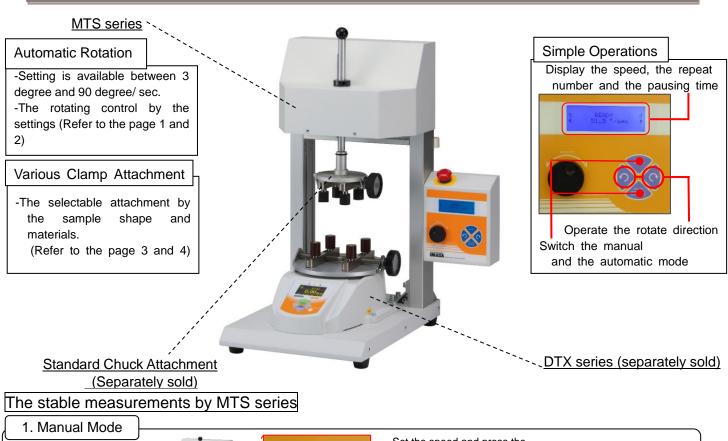
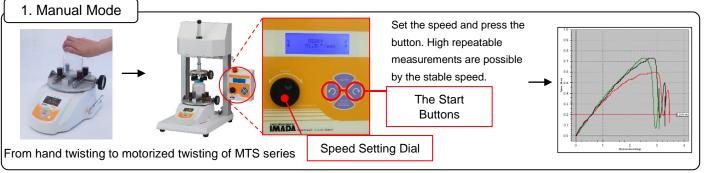
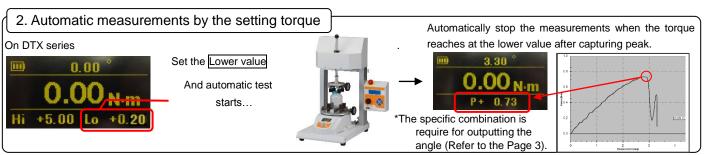


Motorized Torque Stand MTS series

- Regulated rotation speed for better accuracy.
- A variety of measuring capabilities such as torque control functions and torque-angle measurements.
- Range of clamp / sample holder attachments to suit many sizes, shapes and materials.

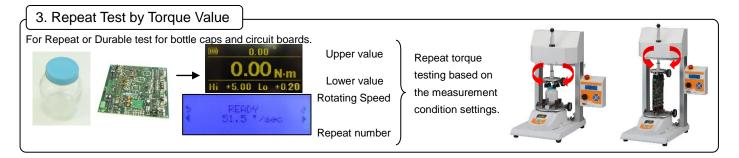




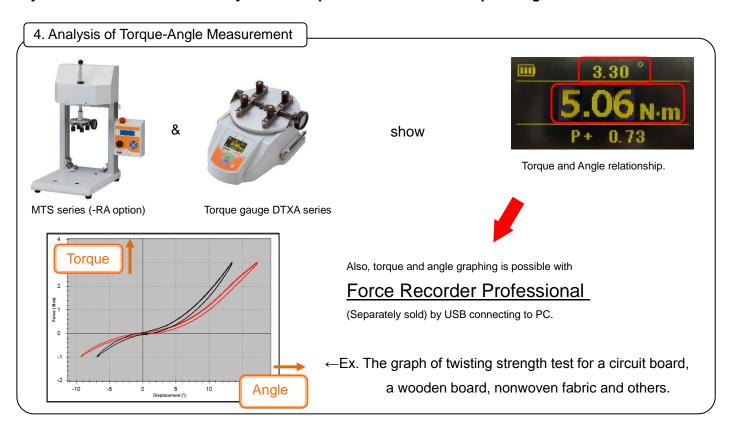


*The measurement in accordance with JIS C 8280:2011" Edison screw lampholders" is partly possible with the above function. Please feel free contact us for the detail if necessary. (Our service group contact telephone: +81-(0)532-33-3288)

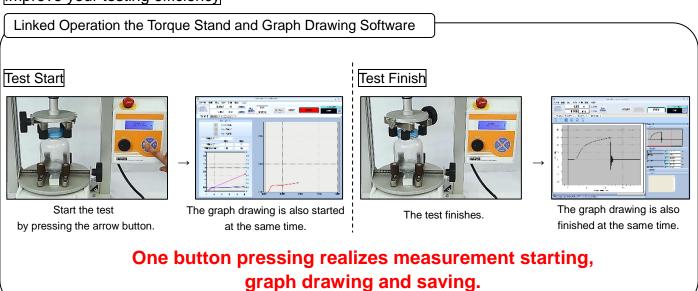




By the Combination of the Rotary Encoder Option Model and the Torque Gauge DTXA series...

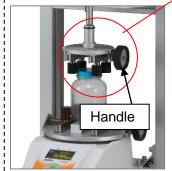


Improve your testing efficiency





*Caution



♦The Fixation of the Standard Chuck Attachment◆

The chucking force should be stable if it affects the torque.

(Ex. PET bottle or Glass bottle torque measurements.)

◆Recommendation of the Following Activity for the Sample Setting◆

M5 hexagon socket head bolt is mounted on the handle.

Screw it with a torque wrench or a torque driver

installing 4mm bit to make chucking force stable.

Below instruments are available.

◆Recommended Instruments◆

KTorque Driver

<Torque Wrench>

-DID-4(SUGISAKI METER CO.,LTD)

- DIW-15(SUGISAKI METER CO.,LTD)

-Hex bit(φ4mm)

- 6.3sq Hex bit socket (φ4mm)

*IMADA torque gauge HTGS/HTGA series (the attachment is separately sold) is also suitable for the activity.

*Please contact us or your local distributor for the detail.

[MTS series specification]

Capacity	10N-m		
Stroke	Refer to the dimensions		
Dimension(mm)	Refer to the dimensions		
Weight	Approx.14kg		
Speed range	3~ 90 degree/sec		
Function	Manual mode, JOG mode, Automatic mode(CONTINUOUS,ONE WAY) (*1),		
	Overload preventing function(*1), Speed adjustment		
Option	Rotary encoder option (*2) (-RA is at the end of the model)		
Voltage level	AC100V ~ 240V , 50/60Hz , max 3A(*3)		
Available temperature	0 ~ 40 degree Celsius		
Available humidity	Less than 85%(No condensation)		
Accessories	Power cable , Torque gauge connecting cable (*4), Centering stick,		
	Spare fuse, Instruction manual, tools, Packing cardboard		

^{*1} Torque gauge should be connected with the cable (included)

[MTS series lineup]

Model	Option	Maximum sample height
MTS-10N		140mm
MTS-10N-L	standard	240mm
MTS-10N-2L		340mm
MTS-10N-RA		140mm
MTS-10N-L-RA	With a rotary encoder*	240mm
MTS-10N-2L-RA		340mm
MTS-10N-ST+□□□	Height change	Please inform us
MTS-10N-RA-ST+□□□	Height change + with a rotary encoder	the necessary height

^{*} This option is factory fitted only. To save or check angle, a DTXA Torque tester and Force Recorder Professional software are required.

^{*2} This option is factory fitted only. To save or check angle, a DTXA Torque tester and Force Recorder Professional software are required.

^{*3} Fuse may need changing, when used in a place other than country of purchase. Please contact us or your local distributor for the

^{*4} The cable differ by the model. Standard model →CB-518, -RA option (equipping a rotary encoder) →CB-728.



[Available sample size]

	Small sample (less than 140mm)	Medium sample (less than 240mm)	Large sample (less than 340mm)
Sample			
	Glass bottle of jam / eye drop bottle/ supplement bottles etc.	500ml or small PET bottle/ Feeding bottle etc.	More than 1.5 liter PET bottle etc.
Available stand	MTS-10N	MTS-10N-L	Photo is in preparation. MTS-10N-2L

^{*}The separate sold extension shaft is required for measuring a short sample by the long stroke type MTS series. Please refer to the page 7 for the detail.

*We also offer custom made order. Please inform us the necessary height.

[MTS Upper Side Chuck Attachment (separately sold)]

	Standard chuck	Small chuck(*)	Pin chuck	M10 adapter
Upp				
sid	Model :MT-TB	Model: MT-ST	The allowable sample(Model)	Model:MT-AD-M10
	The allowable sample:	The allowable sample:	 Largeφ1.2~13mm(MT-DC-13) 	It makes possible to
	φ20~90mm	φ7~50mm	• Mediumφ0.5~6.5mm(MT-DC-6.5)	mounting with
			Stain-less	M10 female
			Medium(MT-DC-6.5SUS)	screw fixtures.
			 Small φ0.5~4mm(MT-DC-4) 	

 $^{^{\}star}$ The pin types are selectable. Please refer to the torque gauge table attachment specification for the detail.

FORCE MEASUREMENT

[Compatible Torque Gauges (separately sold)]

Advanced model	Standard model
DTXA series	DTXS series
The advanced model torque gauge equipping various functions such as angle input/ output and data saving to USB flash drive.	The standard model torque gauge focusing on the usability and the high measuring performance of DTXA series.

DTXS/DTXA series table can be selected from below.

Please refer to the torque gauge table attachment specification for the further information.

Table Attachment for DTX series				
Standard table(*) Model: DT-TB	Small table(*) Model: DT-ST	Pin chuck Model: DT-DC-6.5 etc.		

^{*}The pin types are selectable.

[Example combination: for 500ml PET bottle]

	Torque Gauge	Torque Stand	Upper attachment	Bottom attachment	Software
Measurement only for torque	DTXS series	MTS-10N-L	Choose the s		Force Recorder Standard Torque-Time Graph
Measurement for torque and angle	DTXA series	MTS-10N-L-RA	Choose the s		Force Recorder Professional Torque-Angle/Torque-Time Graph

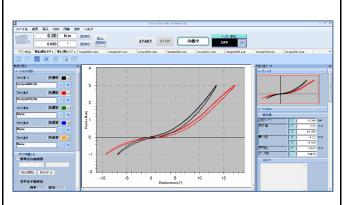
^{*}The torque- angle measurement unit including all necessary products is TAA series. Please refer to the detail of TAA series specification if necessary.

^{*}Please refer to the torque gauge table attachment specification for the detail.



[Related Products]

Force Graphing Software :Force Recorder



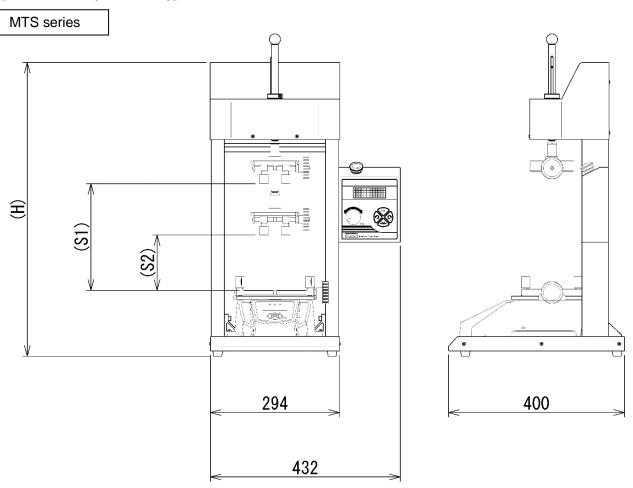
*The display is from Professional type.

The remarkable points of Force Recorder

- Draw smooth graphs of torque-time or torque-angle(*1) with USB high speed communication (Max. 2000 data/sec)
- Max. 5 graphs are compared on the same display (Limited function of Standard or Professional type)
- The measurement conditions such as the speed and the using fixture enable to be written on the each graph.
- *Selectable 3 types, Light type, Standard type and Professional type, are available.
- *Please refer to the each specification for the detail.
- *DTXA and MTS -RA option are required for the drawing graphs of torque- angle.

FORCE MEASUREMENT

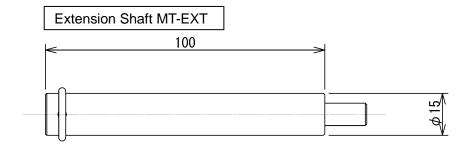
[Dimension (Unit: mm)]



Model	Н	S1	S2	
MTS-10N	575mm	575mm 140mm		
MTS-10N-RA	575mm	140111111	30mm	
MTS-10N-2L	675mm	240mm	130mm	
MTS-10N-2L-RA	07311111	24011111	13011111	
MTS-10N-ST+□□□	575+□□□mm	140+□□□mm	30+□□□mm	
MTS-10N-RA-ST+□□□	373+00011111	140+000111111	30+000111111	

^{*}S1 and S2 are the strokes of mounting the standard chuck attachment (separately sold) on this product and the standard table on the torque gauge.

^{*}The optional extension shaft MT-EXT is required for measuring a short sample with the long stroke type MTS series. Please refer to the Page 7.



The extension shaft MT-EXT (separately sold) is required for measuring a short sample by the long stroke type MTS series.

It is also able to make a longer shaft by the custom made order. Please contact us.

[Cautions]

- The contents may be changed without previous notice.
- All of products are designed for measurement purpose only.
- Do not copy and use this content without authority.
- Please note if you add load over capacity or apply twist or side force, the sensor would be broken down.