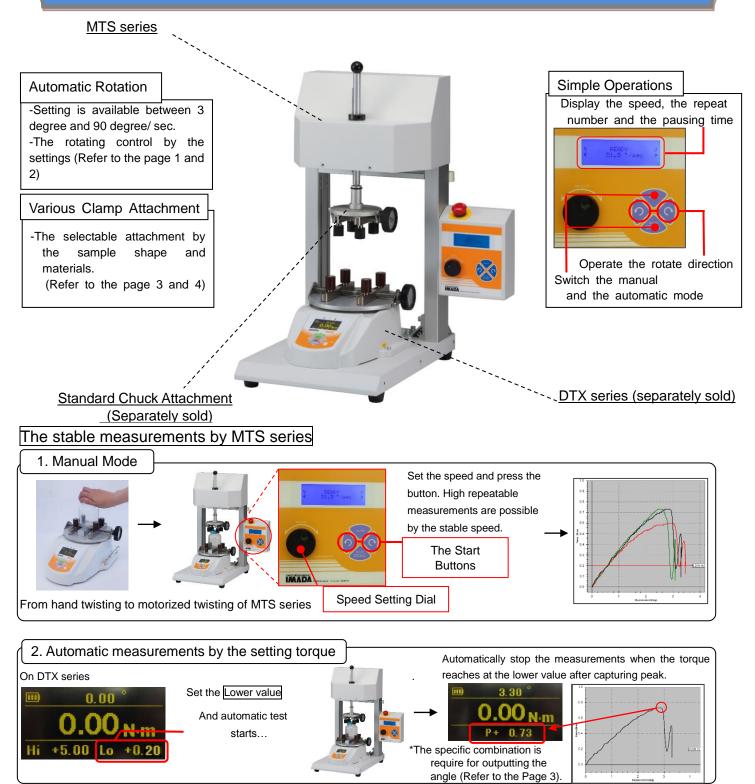
# **Motorized Torque Stand MTS series**

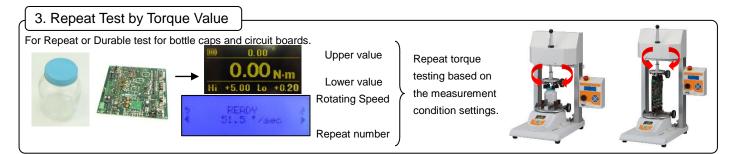
- Regulated rotation speed for better accuracy.
- A variety of measuring capabilities such as torque control functions and torque-angle measurements.
- Range of clamp / sample holder attachments to suit many sizes, shapes and materials.



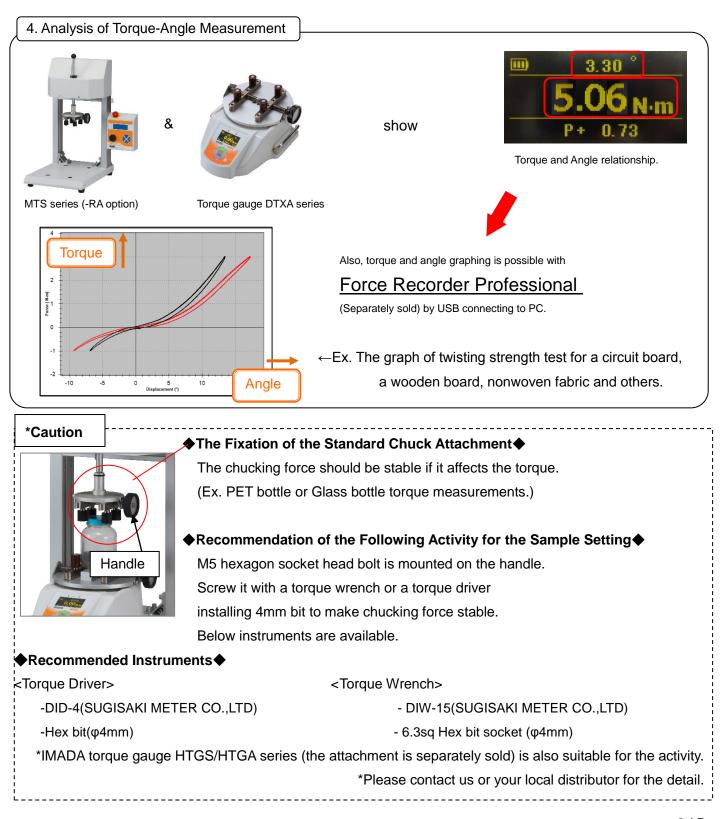
\*The measurement in accordance with JIS C 8280:2011" Edison screw lampholders" is partly possible with the above function. Please feel free contact us for the detail if necessary. (Our service group contact telephone: +81-(0)532-33-3288)

FORCE MEASUREMENT





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





#### [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),		
T UTCION	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,		
Accessories	Spare fuse, Instruction manual, tools, Packing cardboard		

\*1 Torque gauge should be connected with the cable (included)

\*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 details.

\*4 The cable differ by the model. Standard model  $\rightarrow$  CB-518, -RA option (equipping a rotary encoder)  $\rightarrow$  CB-728.

#### [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.

## [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
Upper				In preparation
side	Model :MT-TB	Model: MT-ST	The allowable sample(Model)	Model:MT-AD-M10
	The allowable sample:	The allowable sample:	<ul> <li>Largeφ1.2~13mm(MT-DC-13)</li> </ul>	It makes possible to
	φ20~90mm	φ7~50mm	<ul> <li>Mediumφ0.5~6.5mm(MT-DC-6.5)</li> </ul>	mounting with
			Stain-less	M10 female
			Medium(MT-DC-6.5SUS)	screw fixtures.
			<ul> <li>Small φ0.5~4mm(MT-DC-4)</li> </ul>	

\*The pin types are selectable. Please refer to the torque gauge table attachment specification for the detail.

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

# [Compatible Torque Gauges (separately sold)]

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(*) Small table(*) Pin chuck				
Model: DT-TB	Model: DT-ST	Model: DT-DC-6.5 etc.		

\*The pin types are selectable.

\*Please refer to the torque gauge table attachment specification for the detail.





	Torque Gauge	Torque Stand	Upper attachment	Bottom attachment	Software
Measurement only for torque	DTXS series	MTS-10N-L	Choose the by the s	attachments sample	http://www.initialized for the second
Measurement for torque and angle	DTXA series	MTS-10N-L-RA		sample	Force Recorder Professional Torque-Angle/Torque-Time Graph

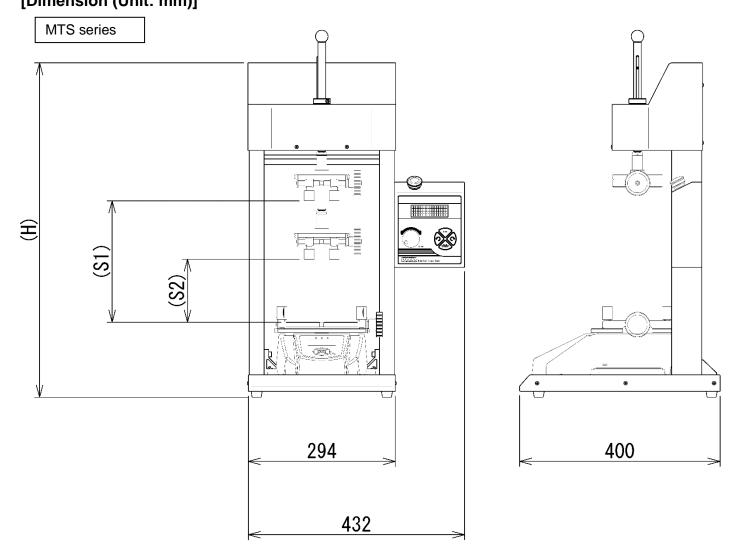
\*The torque- angle measurement unit including all necessary products is TAA series. Please refer to the detail of TAA series specification if necessary.

# [Related Products]

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

## IMADA CO.,LTD Motorize Torque Stand MTS series [Dimension (Unit: mm)]



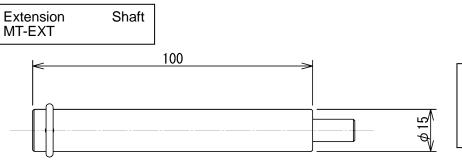


Model	Н	S1	S2
MTS-10N	575mm	140mm	30mm
MTS-10N-RA	575mm	14011111	3000
MTS-10N-2L	675mm	240mm	130mm
MTS-10N-2L-RA	07511111	24011111	rsomm
MTS-10N-ST+□□□	575+□□□mm	140+□□□mm	30+□□□mm
MTS-10N-RA-ST+□□□			

\*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.

