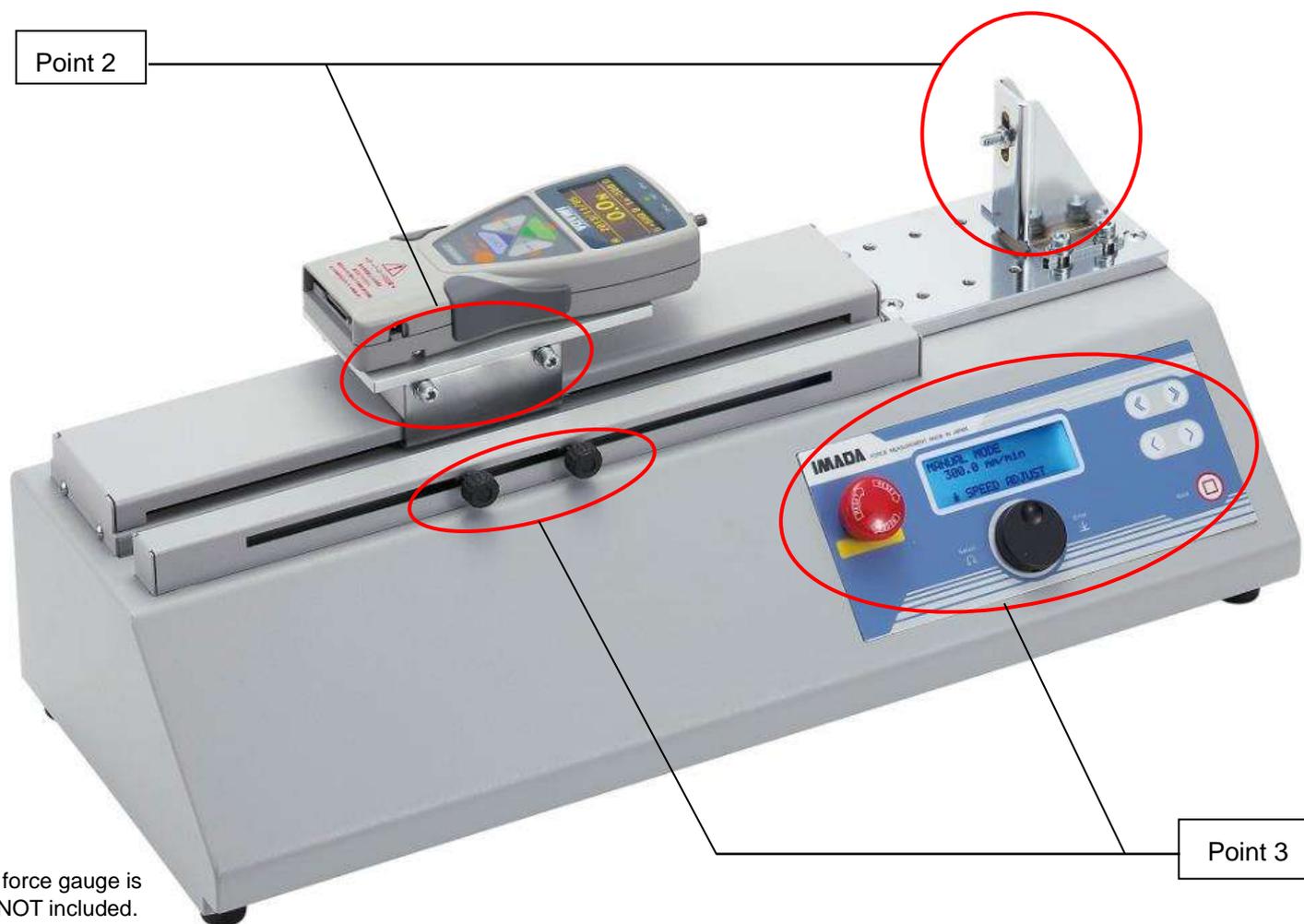


Horizontal Motorized Test Stand MH2-500N

Point 1: Loading horizontally.

Point 2: Easy and smooth to fix a sample and a force gauge.

Point 3: Simple operation to set measurement condition.



*A force gauge is
NOT included.

Point 1: Loading horizontally.

- Insertion and extraction test of USB connector.
- An operation panel of a car.
- A drawer of a cabinet etc.

It can be measured force
for a mounted and used sample horizontally.



USB connector extraction / insertion (repetition) test

Point 2: Easy and smooth to fix a sample and a force gauge.	
Fixing a sample	Fixing a force gauge
A sample can be seen from above and sides. Therefore, the fixing is easy.	Force gauge replacement can be smooth by the simplified fixing.

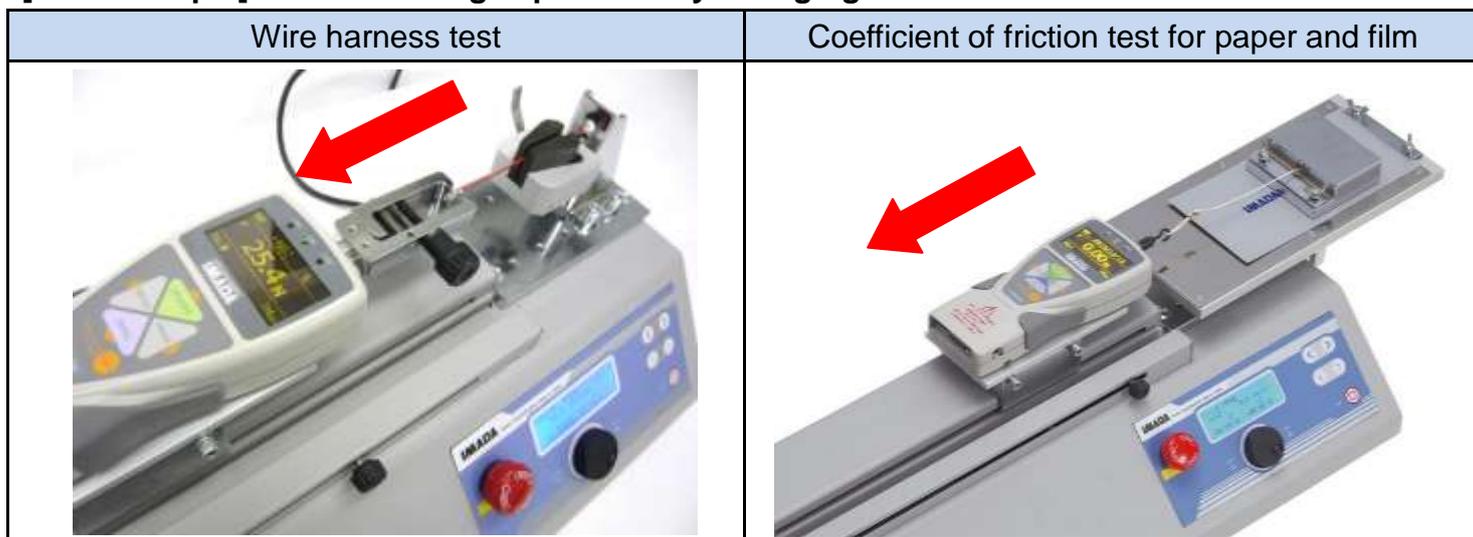
Point 3: Easy operation to set measurement condition.	
Adjusting measurement speed with the dial.	Adjusting moving distance with the limit nobs.

[Configuration Examples]

	Measuring Instrument	Software	Cable	Attachment
Simple Measurement	Digital force gauge DS2 Series 	N/A	N/A	Please select an attachment of fixtures fit for your sample. We will advise for choosing it. We also provide special attachment according to your sample. Please feel free to contact us for advice.
	For measuring maximum value	—	—	
Graph drawing/ Data management	Digital force gauge ZTS Series 	Graph drawing software Force Recorder Standard 	Connection cable CB-518 	
	Connection to PC and other external equipment.	Force-time graph	Overload prevention(*1) Force control	

*1 It is NO GUARANTEE to prevent against sensor break-down.

[Test Example] Various testing is possible by changing an attachment.



[MX2-500N Specifications]

[Functions /Operating environment/ Accessories]

		Model	MH2-500N		
Capacity		Maximum force to be added	500N		
F u n c t i o n s	Speed	Speed range available			
		Unit	10-20mm/min	Able to set up speed every 0.5mm/min	
			20-100mm,/min	Able to set up speed every 5mm/min	
			100-300mm/min	Able to set up speed every 10mm/min	
	Stroke		Movable distance of the head	230mm	
	Maximum sample length		Please refer to Dimensions in page 5.		
	Rigidity		Maximum distance gap between the tip of a force gauge and the attachment mount under Max loading and no loading.	Less than 0.5mm	
	Stroke limit		Controllable with left /right stroke limit sensor		
	Display of speed		Speed is displayed digitally		
	Force control		Operation is controllable at selected force*1		
Overload prevention		Operation automatically stops when force over capacity applied. *1*2			
Mode (refer to below)		Manual/ JOG/ Cycle mode			
Timer		Possible to set up pausing time every 0.1 sec, up to 99min 59.9sec.			
Counter		Count or set up the number of tests (Max65535 times) *3			
The Body		Operating temperature	0~+40 Degree Celsius		
		Operating humidity	35~70%、avoid condensation		
		Power voltage	AC100~240V,50/60Hz (Please specify from 100.120.230V. Accessories are different)		
		Power consumption	50W		
		Size Standard type	554×220×219(mm)		
		Weight	Approx.14kg		
		Accessories		Manual, Power cable, Spare hues and Tools.	
Manual mode		JOG mode		Cycle mode	
A force gauge moves rightward or leftward while the buttons are pressed.		Possible to move a force gauge in small increments by turning its dial.		Measurement starts only by pressing a button according to operating conditions fixed in advance automatically.	

*1: It only works when ZT series force gauge and digital force amplifier are connected with an optional cable.

*2: The function is NO GUARANTEE to prevent overload completely.

*3: If you need to test repeatedly more than 65535 times, please feel free to contact us (+81-(0)532-33-3288).

[Mountable force gauges to MH2-500N]

PS Series	DS2 Series	ZT Series (2N~1000N)
		

[Option]

We meet your needs like

“More rapid speed is necessary” “Longer stroke is needed”

“Wider space for sample is required.”

[Examples of additional option]

Specifications		Model
Option	Length measuring instrument (displayed the amount of movement by digital)	○(MH2-500N-S)
	Speed change(Change from standard type)*1	○(MH2-500N-V○○)
	External signal input (to mount connector for external I/O)	○(MH2-500N-CN)
	FA type(A linear scale for measuring displacement built in)*2	○(MH2-500N-FA)

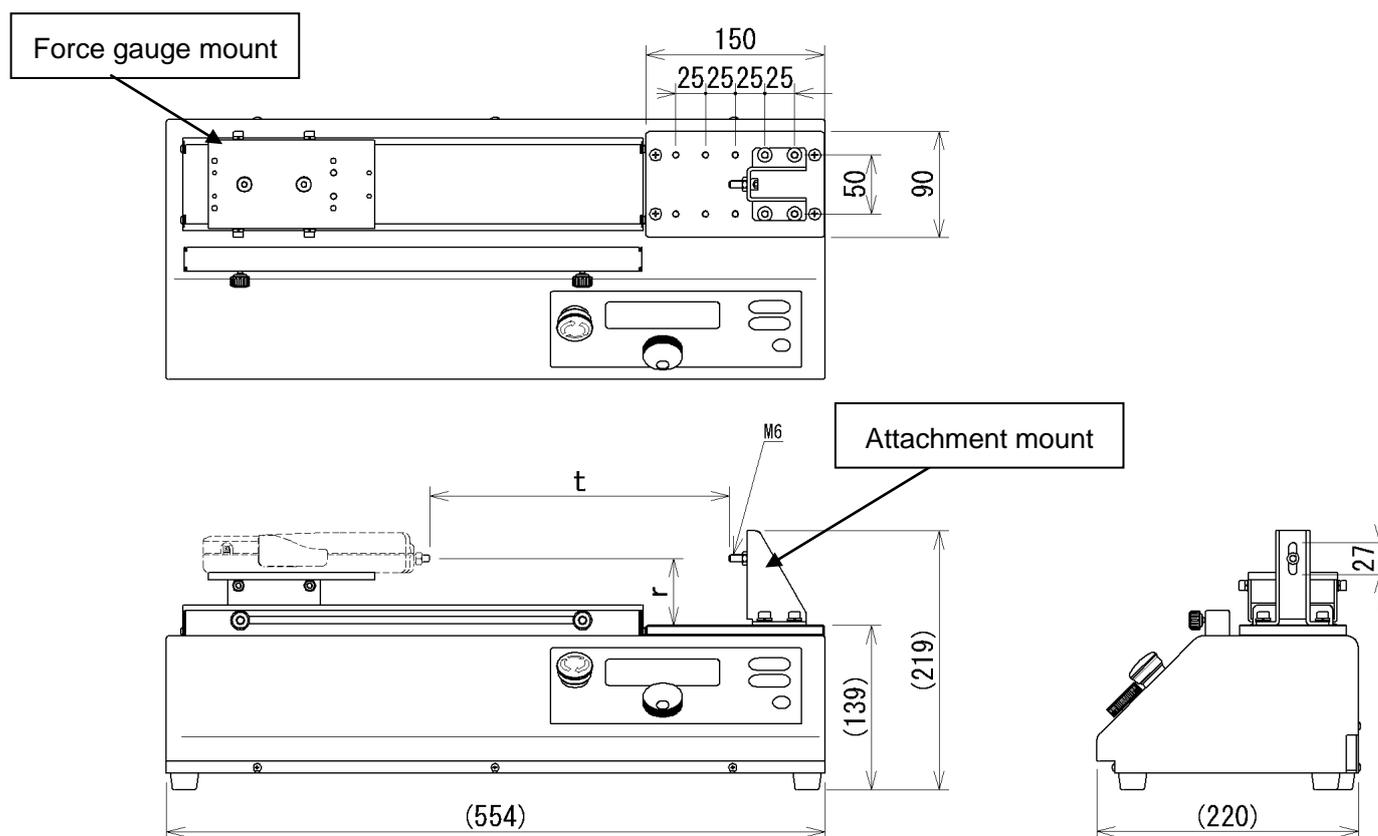
*1 Please contact us for changing the speed range.

*2 Force and displacement analysis possible by using a force gauge of ZTA series, connection cable CB-718 for displacement measurement and graph drawing software Force Recorder Professional.

[MH2-500N-CN Example of option]

Start Input	Interlock input	Operating state output
Start and stop operations are possible with a foot pedal switch connected to MX2-500N.	Put MH2-500N in a box and connect to a sensor of the box door. MH2-500N is stopped when the door is open.	A buzzer or a lamp connected with MH2-500N notify about the operating status such as completing the test.

[MH2-500N Dimensions] (Unit: mm)



		MH2-500N (Unit: mm)
r	When DS2/ZT/ DPU is mounted	56
t	When ZT is mounted	0-245
	When DS2/DPU is mounted	0-250
	When DPU is mounted (Left position) *1	70-350
	When is mounted DPU (20N~500N)	250

*1 The left position means the force gauge mounting left and right reverse and fixing DPU on the left side.

[Caution]

- The contents maybe change without notice in advance.
- A force gauge is not included but necessary for force measurement.
- This product is designed for measurement purpose only.
- Please use a lightweight attachment for this product as much as possible. Or please choose a high capacity force gauge if the attachment is heavy.
- Do not copy the contents without permission.