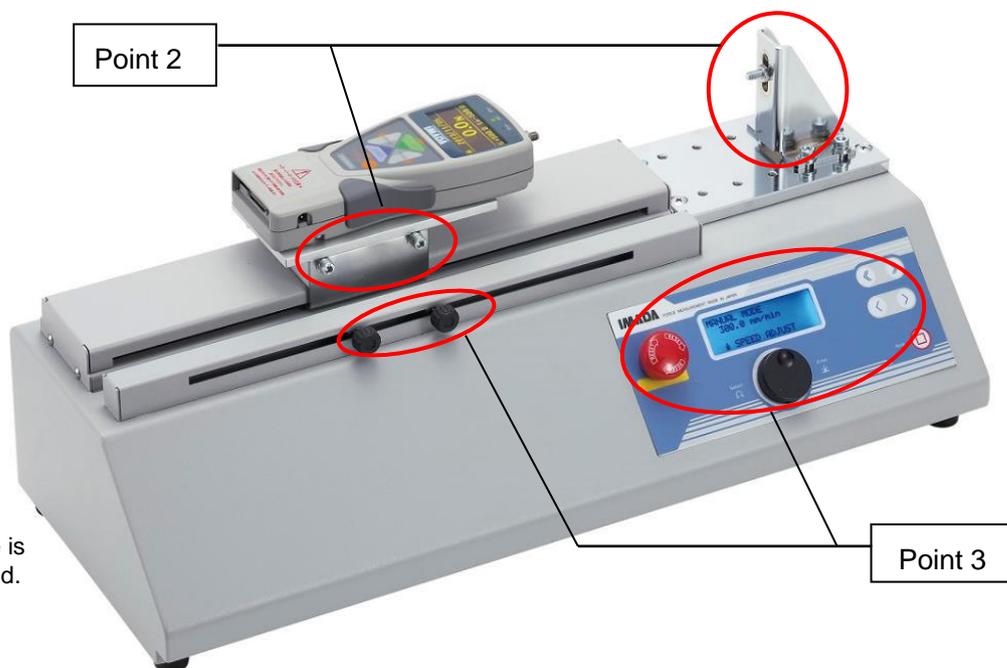


Horizontal Motorized Test Stand MH2-500N

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 sample mounted and used horizontally.



USB connector extraction / insertion (repetition) test

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

Fixing a sample

A sample can be seen from above and sides. Therefore, the fixing is easy.



Fixing a force gauge

Force gauge replacement can be smooth by the simplified fixing.



Point 3: Easy operation to set measurement condition.

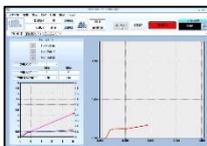
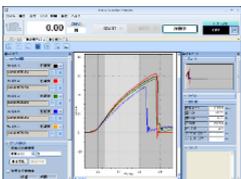
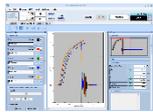
Adjusting measurement speed with the dial.



Adjusting moving distance with the limit nobs.



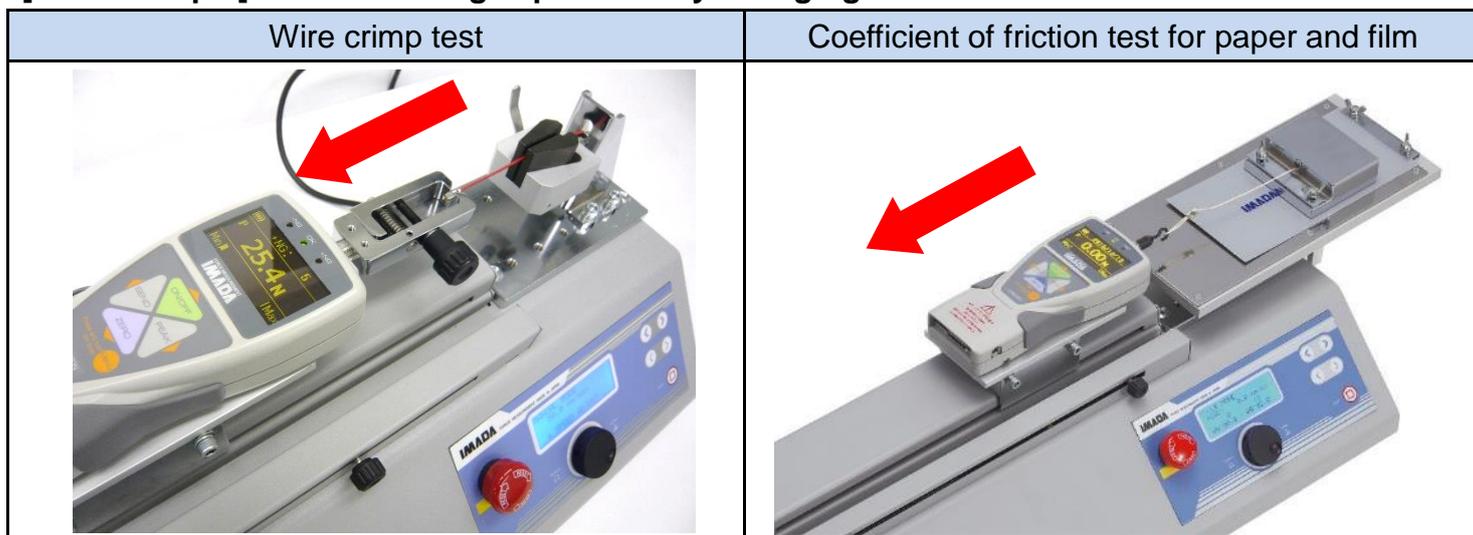
[Configuration Examples]

	Measuring Instrument	Software	Cable	Attachment	
Simple measurement	Digital force gauge DS2 Series 	N/A	N/A		
	For measuring maximum value	—	—		
Graph drawing/ Data management	<p>Auto graphing function</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Test start</p>  <p>Start drawing a graph with the test stand motion start.</p> </div> <div style="text-align: center;"> <p>Test finish</p>  <p>The graph drawing is finished and saved at the end of the test.</p> </div> </div> <p>The stand operation and graph drawing can be linked by the following products * Please refer the MX2, EMX, MH2 application examples on page 3.</p>				
	Digital force gauge ZTS Series 	Graph drawing software Force Recorder Standard 	Connection cable CB-518 		<p>Please select the suitable attachment for your sample. We will help your selecting. We also accept custom-made order for your test. Please feel free to contact us.</p>
	Connection to PC and other external equipment.	Force-time graph	Overload prevention(*1) Force control		
Force-Displacement measurement	<p>Force-displacement measuring unit FSA series*2</p> <ul style="list-style-type: none"> - A test stand with a linear scale (MH2-500N-FA) - A digital force gauge ZTA series - Force displacement graphing software (Force Recorder Professional) - Connection cable (CB-718) - Attachments <div style="display: flex; justify-content: space-around;">   </div> <p>MH2-500N can be upgraded for force-displacement measurement. With FSA series, you can perform force-displacement analysis very easily.</p>				

*1 It is NO GUARANTEE to prevent for sensor break-down, completely.

*2 Please refer to specifications for FSA series for further information. Other models are also available.

[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	10~300(mm/min)	
		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]

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 notifies the operating status such as the end of test or others.

[Speed change option]

Speed changed model	Speed range	Allowable capacity
MH2-500N-V45	1.5~45 mm/min	500N
MH2-500N-V90	3~90 mm/min	500N
MH2-500N-V450	15~450 mm/min	500N
MH2-500N-V600	20~600 mm/min	250N
MH2-500N-V900	30~900 mm/min	150N

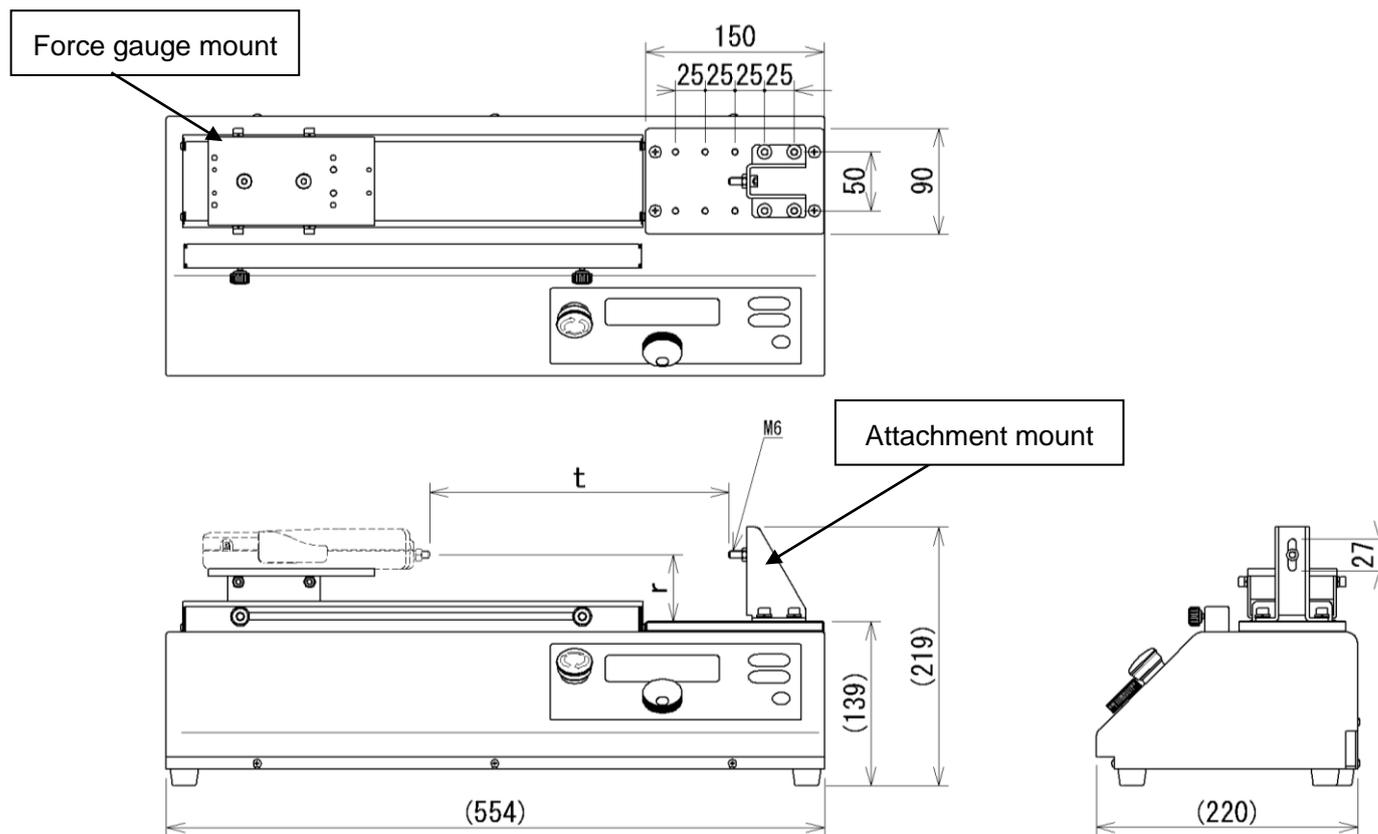
* Please note the decreasing of allowable capacity by the speed change.

* Please feel free to contact us for the other speed range change.

[Other option example]

Separated operation panel

It is useful for remote control and installation to a facility.



		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.