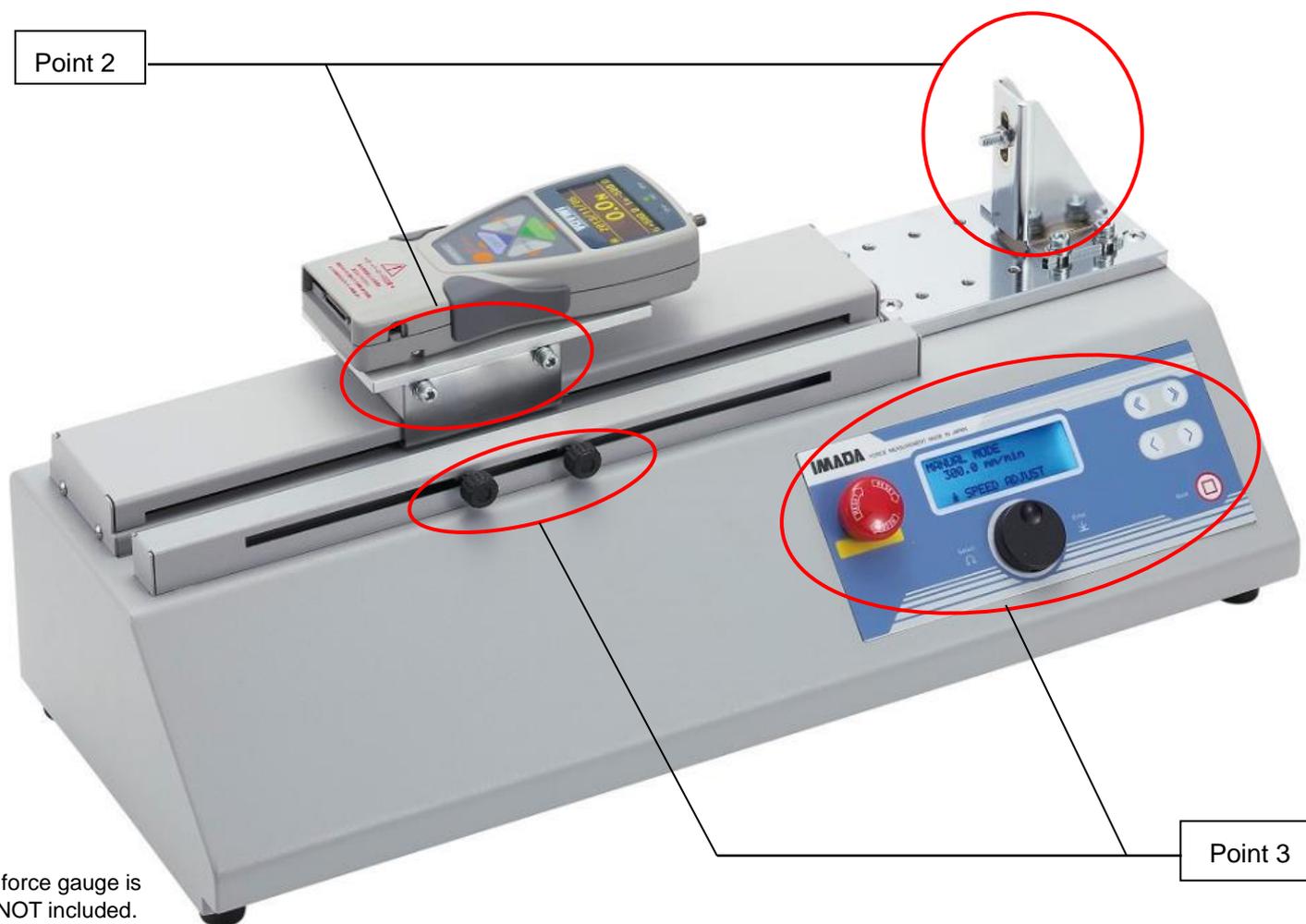


Horizontal Motorized Test Stand MH2-500N

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

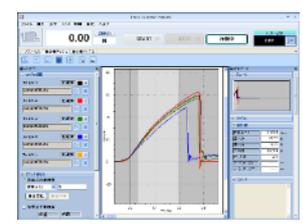
Point 2: Easy and smooth to fix a sample and a force gauge.

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.

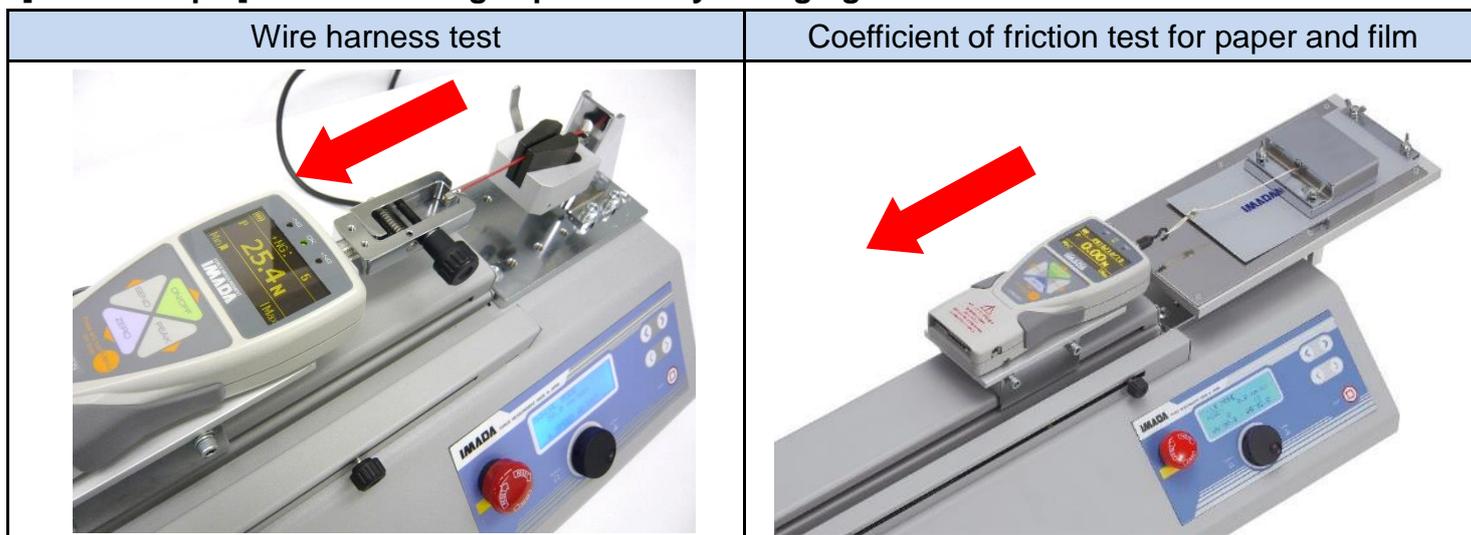
Adjusting measurement speed with the dial.	Adjusting moving distance with the limit nobs.
	

[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 	Please feel free to contact us for advice.
	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	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 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.

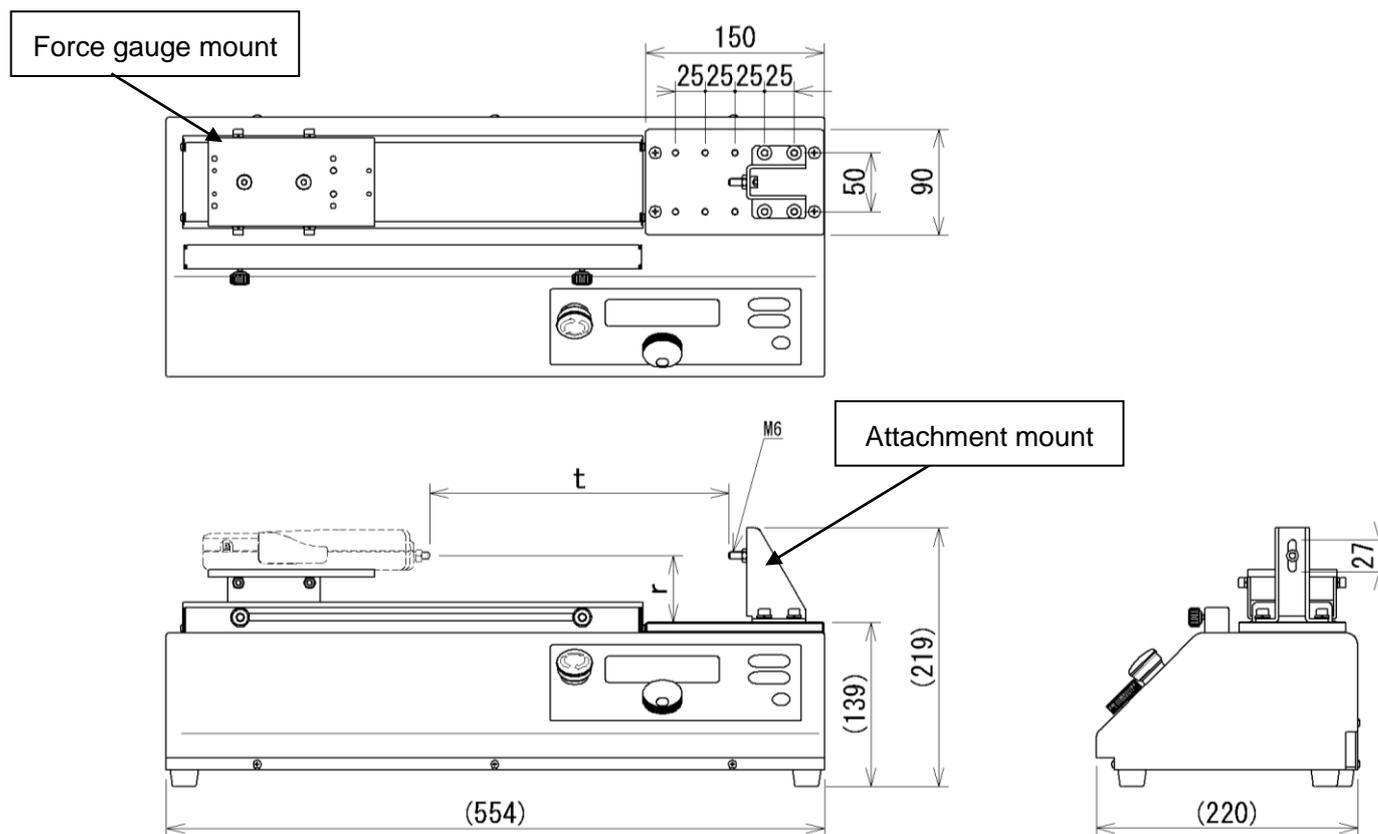
[Speed change option] ←

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.

[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.