




<Test Stand Type Comparison>



Advantages		Vertical	Horizontal	Compact Low Capacity
Motorized Test Stand	<ul style="list-style-type: none"> - Testing at constant speed - For durability test - Testing in accordance with standards 	<ul style="list-style-type: none"> - Capable of tensile, compression, peel and more types of testing - Space-saving 	<ul style="list-style-type: none"> - Applies force horizontally - Easy setting and handling of test samples 	
		MX series MX2 series EMX series	MH-1000N MH2 series	
Manual Test Stand	<ul style="list-style-type: none"> - Low-cost solution - Improving efficiency 	<ul style="list-style-type: none"> - Efficient testing - Constant testing angle 	<ul style="list-style-type: none"> - Easy setting and handling of test samples 	<ul style="list-style-type: none"> - Micro-movement - Easy to carry
		SVH-1000N SVL-1000N HV series	SH series	FCA series KV series MS series

<Comparison Table of Features>

Motorized Test Stand (Vertical)

Series		MX series	MX2 series	EMX series
Image				
Type		Simple	Standard	High-functioning
Recommended for		<ul style="list-style-type: none"> - Simple testing at low cost 	<ul style="list-style-type: none"> - Repetition / durability test - Testing at specific speed by digital setting - Graphing force vs. displacement data (*1) 	<ul style="list-style-type: none"> - Complicated measurement with great precision - Analysis of force vs. displacement (*1) - Controlling movement by displacement data
Models		MX-500N/MX-1000N MX-5000N	MX2-500N/MX2-1000N MX2-2500N	EMX-1000N
Structure	Frame robustness	✓	✓✓	✓✓✓
	Capacity	500N/1000N/5000N	500N/1000N/2500N	1000N
	Testing speed (mm/min)	500N/5000N: 10-300 1000N: 8-240	10-300	0.5-600
	Front shield (*2)	-	✓✓	✓✓✓
Functions	Manual operating mode	✓	✓	✓
	Single cycle mode	✓	✓	✓
	Continuous cycle mode	✓	✓	✓
	Counter (*3)	-	✓	✓
	Timer (*4)	-	✓	✓
Speed & Travel Setup	Travel range setting	✓	✓	✓
	Digital travel setting	-	-	✓
	Digital speed setting	-	✓	✓
	Speed shift point	✓ (only 5000N)	-	✓
Control Function	Overload prevention(*5)	✓	✓	✓
	Force control	✓	✓	✓
	Emergency stop	✓	✓	✓
	Control signal I/O	-	✓ (-CN option)	✓✓

Motorized Test Stand (Horizontal)

Model		MH-1000N	MH2 series(MH2-500N/MH2-2500N)
Image			
Type		Simple	Standard
Recommended for		- Simple testing at low cost	- Repetition / durability test - Testing at specific speed by digital setting - Graphing force vs. displacement data (*1)
Structure	Capacity	1000N	500N/2500N
	Testing speed (mm/min)	6-180	10-300
	Front Shield (*2)	✓	✓
Functions	Manual operating mode	✓	✓
	Single cycle mode	✓	✓
	Continuous cycle mode	✓	✓
	Counter (*3)	-	✓
	Timer (*4)	-	✓
Speed & Travel Setup	Travel range setting	✓	✓
	Digital travel setting	-	-
	Digital speed setting	-	✓
	Speed shift point	-	-
Control Function	Overload Prevention (*5)	✓	✓
	Force Control	✓	✓
	Emergency Stop	✓	✓
	Control Signal I/O	-	✓ (-CN option)

* Some options are available to be added. Refer to each specification for further details.

We also offer custom-made solutions according to your request. Contact us for details.

*1 Option code -FA is required to equip a liner scale for force vs. displacement measurement.




*2 The shield is a protection against dust or pieces of samples.

*3 Counter function enables automatic repeat testing for the set number of times.


*4 Timer function sets up pausing time at specified point.

*5 It is activated only when an optional cable is used together with ZT series (digital force gauge) or FA Plus2 (Digital force analyzer). It does not guarantee complete protection against overload.




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 Test Stand Comparison Table
 Manual Test Stand (Vertical)

Series	SVH series	SVL series	HV series
Image			
Model	SVH-1000N	SVL-1000N	HV-500N/HV-1000N/HV-3000N
Type	Simple		Long stroke
Recommended for	- Applying force cautiously	- Testing with high efficiency	- Testing tall/stretching samples
Capacity	1000N		500N/1000N/3000N
Operation	Handle	Lever	Handle

Manual Test Stand (Horizontal)

Series	SH series
Image	
Model	SH-1000N/SH-3000N
Recommended for	- Applying force horizontally - Easy setting and handling of test samples.
Capacity	1000N/3000N
Operation	Handle

Manual Test Stand (Compact)

Model	FCA-50N	KV-50N	MSF-50N
Image			
Recommended for	- Testing efficiently for the set distance	- Testing at micro-movement	- Potability - Testing at various angles - Analysis of force vs. displacement (*1)
Capacity	50N	50N	50N
Operation	Lever	Handle	Knob

* Some options are available to add functions. Refer to each specification sheet for further details.

We also offer custom-made solutions according to your request. Contact us for details.

*1 Force-displacement unit (MSL-50N) is necessary for displacement output.

[Cautions]

- Force gauge is NOT included. Please purchase separately.
- These products are designed for measurement purpose only.
- 'Recommended for' is based on general characteristics of each product. Exceptions apply depending on the environment or conditions of measurement.
- The contents may be changed without prior notice.
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Please visit our website
for more product details
and specifications.