






## Vertical motorized test stand

		MX series	MX2 series	EMX series
				
Type		Simple	Standard	hochwertig
Recommended for		Simple tests at low cost	- Repetition-/durability tests - digital adjustable speed - Recording the force-displacement values*1	- Measurements with high accuracy - Recording the force-displacement values*1 - Exactly adjustable feed
Models		MX-500N/MX-1000N	MX2-500N/MX2-1000N MX2-2500N/MX2-5000N	EMX-500N/EMX-1000N
Structure	Robustness	✓	✓✓	✓✓✓
	Capacity	500 N/1000 N	500 N/1000 N/2500 N/5000 N	500 N/1000 N
	Travel speed in mm/min	500 N: 10 - 300 1000 N: 8 - 240	500 N - 2500 N: 10 - 300 5000 N: 0.5 - 300	0.5 - 600
	Front protection*3	-	✓✓	✓✓✓
Functions	Manual operation mode	✓	✓	✓
	Single cycle mode	✓	✓	✓
	Continuous cycle mode	✓	✓	✓
	Counter function*4	-	✓	✓
	Timer function*5	-	✓	✓
	Contact point detection*6	-	-	✓*2
Speed and travel setup	Break detection*6	-	-	✓*2
	Travel range setting	✓	✓	✓
	Digital travel range setting	-	-	✓
	Digital speed setting.	-	✓	✓
Control Functions	Speed change point	-	-	✓
	Overload protection*7	✓	✓	✓
	Force controle	✓	✓	✓
	Emergency stop	✓	✓	✓
	In/Output controll signal	-	✓ (option CN)	✓✓
	Menu lock	-	-	✓*2

## Horizontal motorized test stand

		MH-1000N	MH2-500N/MH2-2500N
			
Type		Simple	Standard
Recommended for		Simple tests at low cost	- Repetition-/durability tests - digital adjustable speed - Recording the force-displacement values*1
Structure	Capacity	1000 N	500 N/2500 N
	Travel speed in mm/min	6 - 180	10 - 300
	Front protection*3	✓	✓
Functions	Manual operation mode	✓	✓
	Single cycle mode	✓	✓
	Continuous cycle mode	✓	✓
	Counter function*4	-	✓
	Timer function*5	-	✓
	Contact point detection*6	-	-
Speed and travel setup	Break detection*6	-	-
	Travel range setting	✓	✓
	Digital travel range setting	-	-
	Digital speed setting.	-	✓
Control Functions	Speed change point	-	-
	Overload protection*7	✓	✓
	Force controle	✓	✓
	Emergency stop	✓	✓
	In/Output controll signal	-	✓ (option CN)
	Menu lock	-	-

\*1 For force-displacement measurements, a test stand with code FA (linear scale) is required.

\*2 Only integrated in test stands with firmware version 2.0 and higher.

\*3 Protection from dust and sample pieces.




\*4 The counter function allows a test to be repeated for the specified number of strokes.

\*5 The timer function allows the application of a force for a certain time.

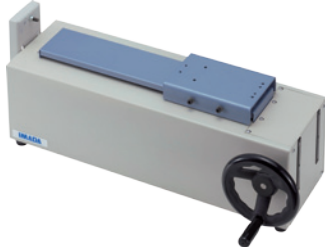
\*6 The contact detection and break detection functions cannot be used simultaneously.

\*7 Works only in combination with a force gauge of ZT series or display unit FA Plus 2, as well as an optional cable. Complete protection against overload is not guaranteed.




## Vertical manual test stand

	SVH series	SVL series	HV series
			
Models	SVH-1000N	SVL-1000N	HV-500N II/HV-1000N/HV-3000N
Type	Simple	Simple	Large stroke
Recommended for	Cautious application of force	Testing with high efficiency	For testing large and stretchable samples
Capacity	1000 N	1000 N	500 N/1000 N/3000 N
Operation	Hand wheel	Hand lever	Hand wheel

## Horizontal manual test stand

	SH series
	
Models	SH-1000N/SH-3000N
Recommended for	- Horizontal force measurement - Easy mounting and handling of samples
Capacity	1000 N/3000 N
Operation	Hand wheel

## Compact manual test stand

	FCA-50N	KV-50N	MSF-50N
			
Recommended for	Easy mounting and handling of samples	Finely tunable feed through the adjusting knob	- Portable unit - Tests can be performed at different angles. - Recording the force-displacement values*1
Capacity	50 N	50 N	50 N
Operation	Hand wheel	Adjusting knob	Adjusting knob

\*1 For force-displacement measurements, the test stand MSL-50N is required.