

Test stand

MX-5000N

Motorized Test Stand

IMADA CO., LTD. 1/3



(Force gauge and speed/length meter are sold separately.)

[Applications]

- Various material strength test up to 5000N
(Tensile strength, Compressive strength, Shearing strength, etc.)
- Analysis of mechanical parts for break point.

[Feature]

- Stable measuring is possible with constant speed (adjustable).
- Continuous testing is possible by the auto-cycle function with adjustable upper and lower limits.
- Operation efficiency is excellent by the spacious design.
- Motion Control by force is possible by connecting with IMADA ZTS/ZTA series force gauges
(Specified cable is required).
- Specified measuring speed can be maintained. The speed can be recalled according to your needs.
- Efficient measurement is possible to repeat by setting of speed change point.

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[Specifications]

Model	MX-5000N	
Capacity	5000N	
Stroke	340 mm (When mounting High Capacity Model Digital Force Gauge ZTS/ZTA series)	
Speed	10 – 300 mm/min (adjustable) Fixed speed dial and Adjustable speed dial are switchable.	
Speed change	The setting the point is adjustable. The speed changes from high speed to specified speed at the point.	
Test mode	Manual	It controls the testing motion by the panel key
	Single	It automatically performs one cycle measurement at setting speed.
	Continuous	It automatically performs continuous cycles at setting speed.
Safety feature	Upper/lower limit, Emergency button, Overload prevention (when connecting with ZTS/ZTA series)	
Dimensions	Please refer the dimensions on the next page.	
Weight	Approx.30 kg	
Power	100 – 240V AC, approx. 75W	
Accessory	Grip mount(GF-2), Power cord, Tool, Instruction manual, Spare fuse, Dust cover	
Special Functions	-Force control -Overload prevention. Those functions are activated when MX-5000N connects ZTS/ZTA series with the specified cable.*1	



*1 The cable is an optional item.

[Additional Option]

Model	Specification
MX-5000N-V150	Speed range 5 – 150 mm/min
MX-5000N-E	Mount a speed meter and a length scale

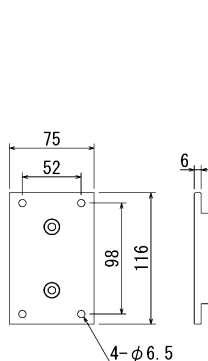
*Some additional options are required extra price. Also, we accept custom-made orders according to your needs. Please feel free to contact us if you need.

[Related Products]

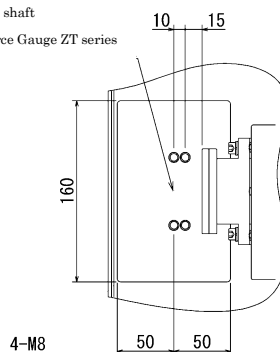
High Capacity Model Digital Force Gauge	Force Control Cable
ZTS/ZTA-5000N 	CB-508 
<p>The digital force gauge captures accurate values by the high speed 2000Hz sampling rate. The advanced model ZTA enables to transfer the continuous data to a USB flash drive directly (The sampling rate is selectable from 100Hz/50Hz/1Hz).</p>	<p>It activates the useful functions, Overload prevention and Motion control by force, by connecting MX-5000N and ZTS/ZTA series.</p>

[Dimensions MX-5000N]

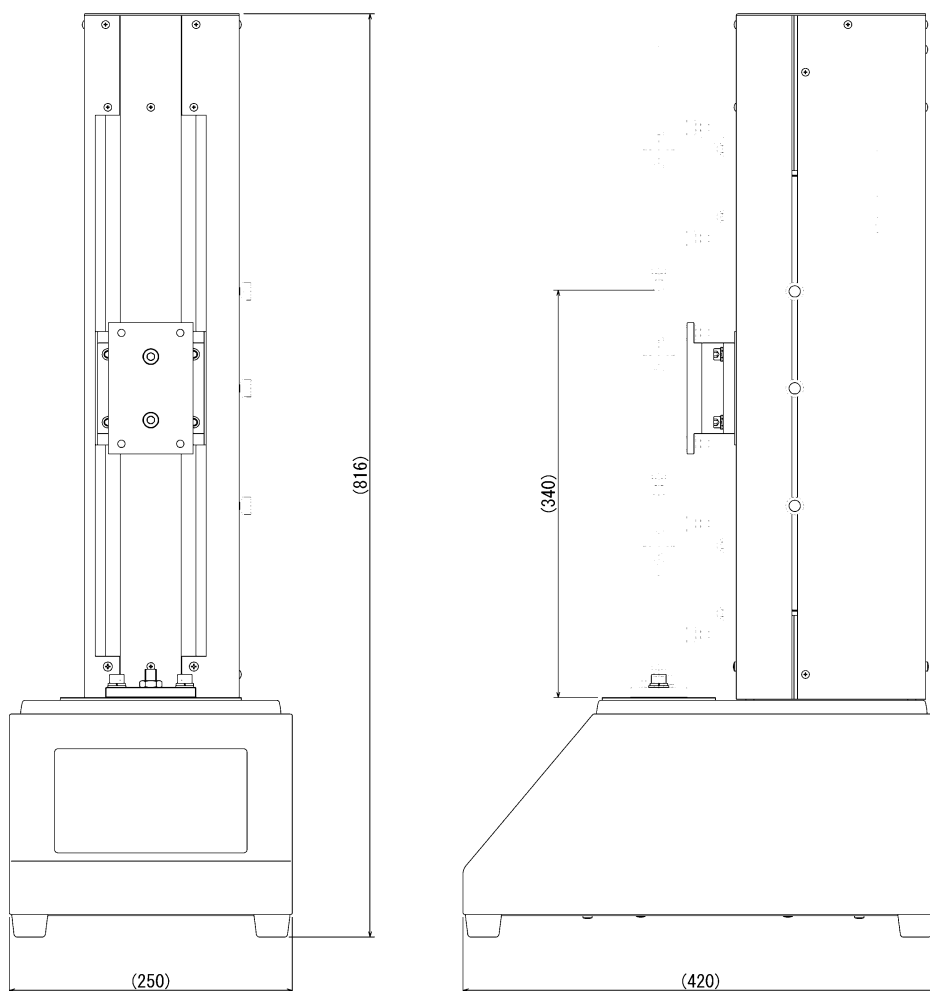
The center of the measuring shaft
of High Capacity Digital Force Gauge ZT series



Force gauge mount



Table



[Note]

- Force gauge is not included with this test stand.
- Various optional attachments are available.
- Please do not apply the load exceeding force of capacity.
- Please avoid rapid temperature change, high humidity, the water, the dust, and the strong shock.
- It may change without a preliminary announcement for improvement etc.