

Test stand

MX-500N

Motorized Test Stand



(Photo is MX-500N-E. Force gauge and speed/length meter are option.)

[Applications]

- Various material testing up to 500N
(measuring of tensile strength, compressive strength, shearing strength and etc).
- Analysis of mechanical parts for break point and free fit.

[Features]

- Stable measuring by feed screw features with small step of the travel length.
- Suitable for Imada brand digital and mechanical force gauges.
- Overload protection and force control connecting with digital force gauge (MX series only)
- Optional scale unit implements scaling its travel length.

[MX-500N/MV-500NII series models]

| Stroke | Scale unit* | Speed/Length Meter** | MX-500N Series | Capacity |
|-------------|-------------|-------------------------|----------------|----------|
| Normal | | | MX-500N | 500N |
| | | Attached | MX-500N-E | 500N |
| | Attached | | MX-500N-S | 500N |
| Long stroke | | | MX-500N-L | 250N |
| | | Attached | MX-500N-E | 250N |
| | Attached | | MX-500N-S-L | 250N |

* Resolution: 0.01mm, Zero / Origin. Attached at factory, cannot be attached by customers.

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Model number will be followed with below suffixes when you specify speed range.

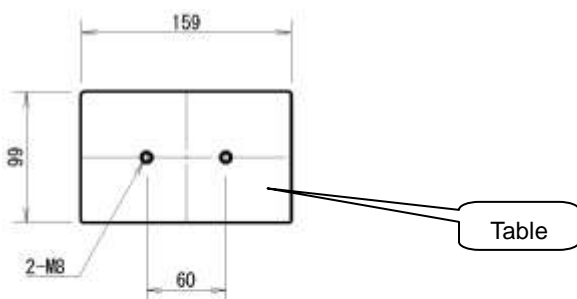
| Suffix | Speed range | Capacity |
|--------|------------------|----------------------------|
| -WF | 40 – 1200 mm/min | 100N |
| -F | 20 – 600 mm/min | 250N |
| -O | 2 – 60 mm/min | 500N 250N (Long stroke) |

[MX-500N series specifications]

| Model | MX-500N |
|--------------------------------------|--|
| Capacity | 500N (Normal) 250N (Long stroke) |
| Stroke | Approx. 285mm (Normal) Approx. 485mm (Long stroke) |
| Feeding method | Feed screw with 3mm lead |
| Travel speed | 10 to 300 mm/min non-step (No specified) |
| Table | 150 x 100 mm, (Aluminum / Stainless plate cover) |
| Force gauge | Imada mechanical / digital force gauge (Except high capacity models) |
| Single/Continuous cycle | Yes |
| Overload protection Force control | Yes *0 |
| Dimensions | See dimensions |
| Wight | Approx. 13kg |
| Accessories | Grip mount GF-1 (M6 thread) |

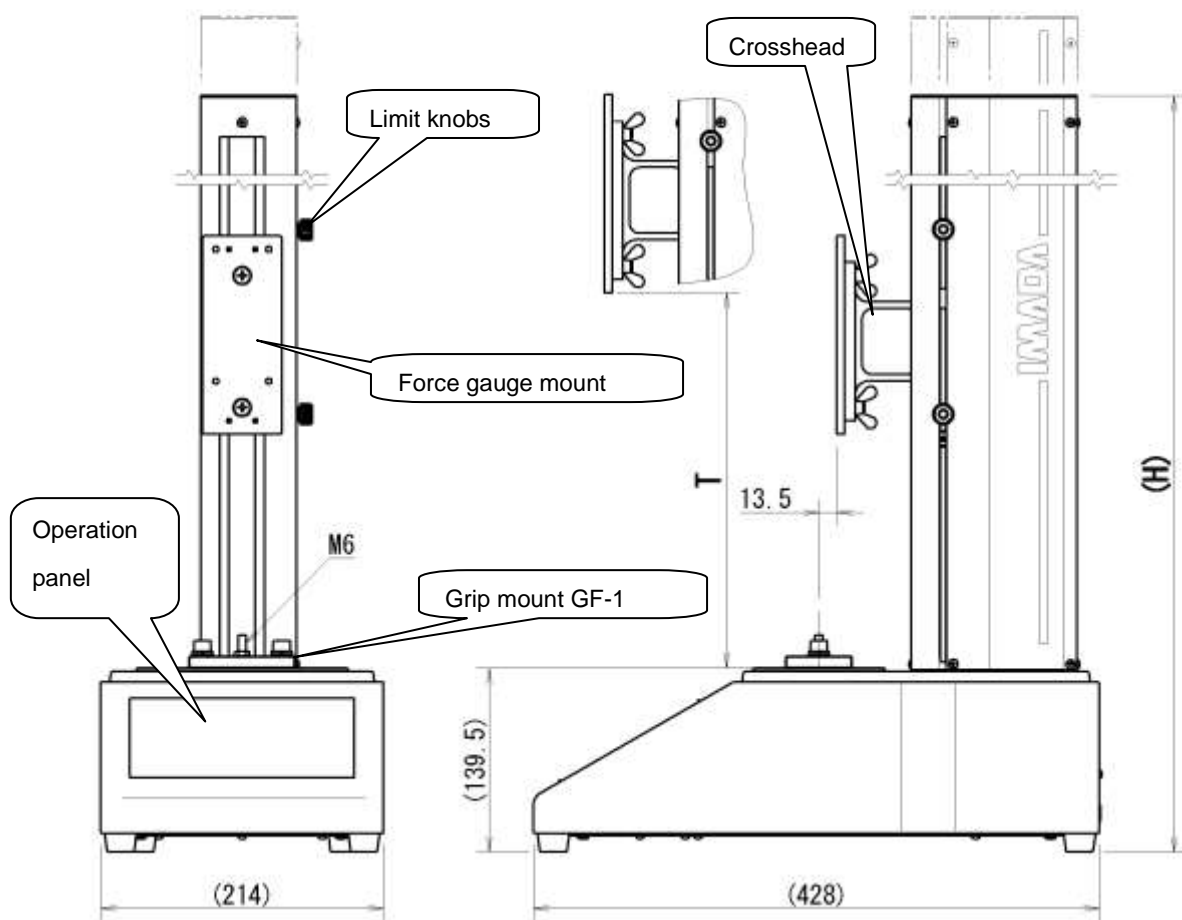
*0 Optional cable CB-501 is necessary for connection with force gauge. Some model of force gauge is not compatible with this function.

[Dimensions]



Dimension H(mm)

| Model | H | T |
|---------------|-----|-----|
| MX-500N(-S) | 573 | 285 |
| MX-500N(-S)-L | 773 | 485 |
| MX-500N-E | 633 | 285 |
| MX-500N-E-L | 833 | 485 |



[Note]

- Force gauge is not included with this test stand.
- Various optional attachments are available.
- "Overload protection" does NOT completely avoid every failure of the gauge.
- 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.