

MX2-500N

Vertical Motorized Test Stand



Force gauge is not included.

[Application Example]

- **Adhesion Test of solder paste** by setting speed going back and force, and time period to keep force.
- **Endurance Test of USB connector** by setting number of cycle and using function of force control.
(Force control function is valid when connected to applicable force gauge with a cable)
- Various kinds of compression and tensile measurement.

[Features]

- Three types of speed (start/measuring/back) can be digitally set respectively.
- Endurance test is available by setting number of cycle and time period to keep force.
- Accuracy of measurement has improved with stronger main shaft.
Good for especially measurement with length meter.
- Functions of over load prevention and force control are available.
(With applicable gauges, please refer to *1 on bottom of page 2.)

[Specifications]

Capacity	Max force enable to apply	500N
Stroke	Stroke head can operate	240mm
Space	Max distance from table to tip of measurement shaft of force gauge ZP/Z2 when the head is at top of shaft.	240mm
Shaft strength	Max gap of distances from table to tip of gauges, under no force and max force applied.	0.5mm 0.9mm (long stroke option)
Table	Size of table	W200, D100
Applicable gauges and load cells	Digital Force Gauge (DPS/DS2/DPX/DPZ/Z2/ZP)	
	Mechanical Force Gauge (FB/PS/PSM)	
	Load Cell (DPU-2N to DPU-500N)	
Speed	Speed range	10 to 300 mm/min
Stroke Limit	Controllable with upper/lower stroke limit knobs	
Speed change	Start/measuring/back speed can be set respectively	
Force Control	Keep force within Hi and Low value set as comparator *1	
Over Load Prevention	Stop operation when force more than capacity applied *1,*2	
Mode	Manual / Cycle (counter and timer are attached)	
Option	Long stroke	
	Length meter (MITUTOYO)	
	Speed range change (Force capacity may decrease)	
	FA PLUS (Force and displacement measurement/output) *Force amplifier and software are not included	
	I/O connector	
Other	Temperature	0 to 40 degrees
	Humidity	35 to 70%, avoid swet
	Dimension	W220, D380, H562mm
	Weight	Approx. 18kg
	Power voltage	AC100 to 240 C, 50/60Hz
	Power	50W

*1 This function is valid when a stand is connected to digital force gauge ZP/Z2/DPZ series or force amp FA PLUS with applicable cables.

*2 Does not guarantee the complete prevention of over load.

[Models]

Model	Detail
MX2-500N	Standard
MX2-500N-L	Long stroke
MX2-500N-S	Length meter (MITUTOYO)
MX2-500N-FA	for FA PLUS
MX2-500N-CN	I/O connector
Please refer to below	Speed range change

[Speed Range Change]

Speed Range	Model	Capacity
30 to 900 mm/min	MX2-500N-S900	150N
20 to 600 mm/min	MX2-500N-S600	250N
3 to 90 mm/min	MX2-500N-S90	500N
1.5 to 45 mm/min	MX2-500N-S45	500N

[Option Cable]

Model	Connectable Item	Use
CB-704	Digital Force Gauge ZP/Z2 series	For force control
CB-705	Force Amplifier FA PLUS	For force control
CB-706	External Equipment	For input/output of external signal (MX2-500N-I/O)
CB-707	Force Amplifier FA PLUS	For output of force and displacement (MX2-500N-FA)

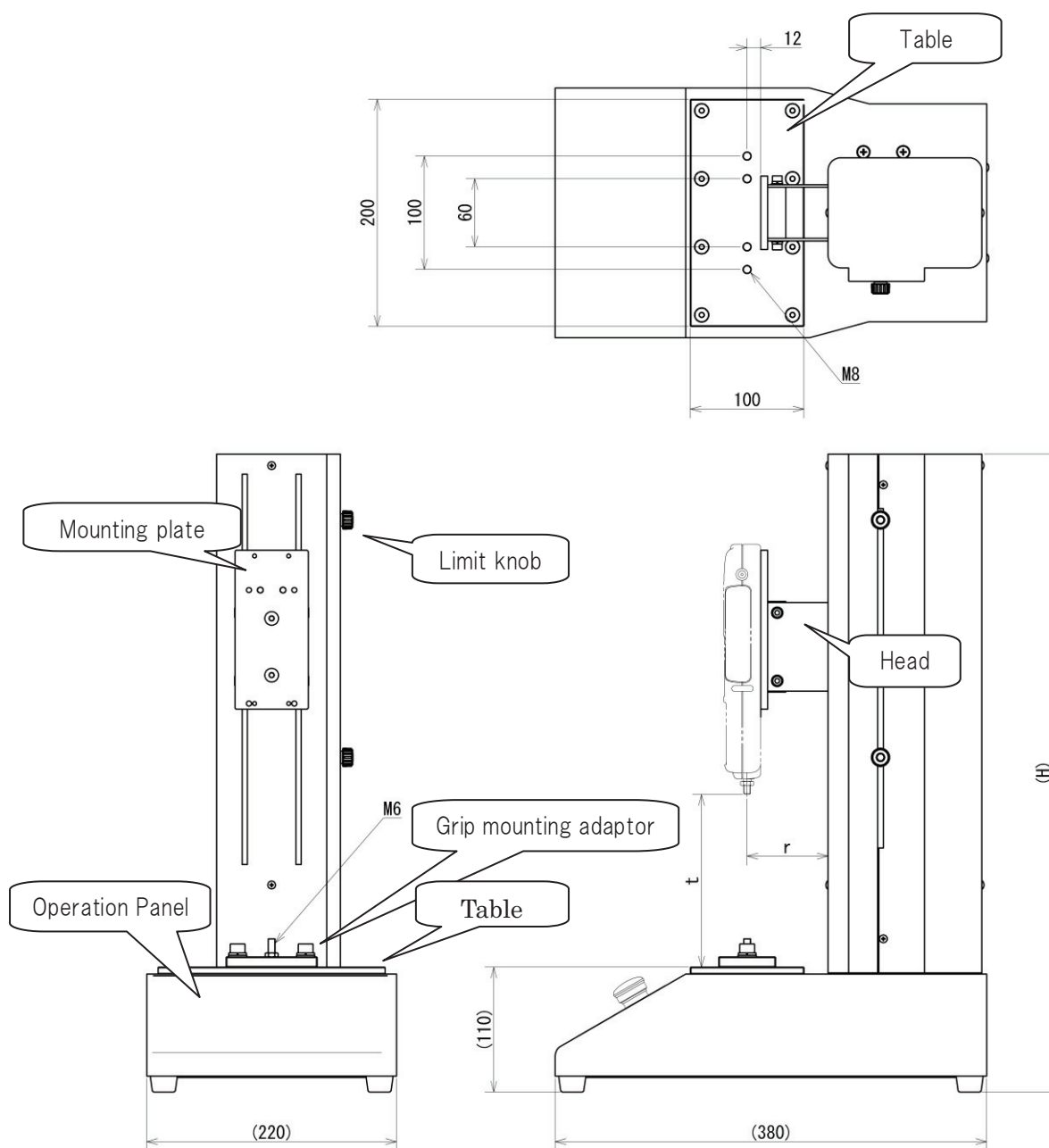
[Dimensions]

(mm)

Model	H	t (ZP/Z2)	t (DS2/DPU lower*1)	t(DPU upper*1)	r(ZP/Z2/DPU)
MX2-500N	562	0-240	0-248	93-348	71
MX2-500N-L	762	0-440	0-448	93-548	

*1 DPU can be mounted to upper or lower side of mounting plate.

[Names, Dimensions]



[Caution]

- Force gauges or load cells and force amplifiers are needed for force measurement.
- Various kinds of optional attachment are available.
- The function of over load prevention cannot completely avoid over load.
- Do not apply force more than capacity.
- Please avoid high temperature, high humidity and impact.
- The contents may change without notice in advance.