

Test Stand

EMX-1000N, MX2-1000N

Vertical Motorized Test Stand



High Grade Model: EMX-1000N

Standard Model: MX2-1000N

* Force gauge is not included.

[Application Example]

- **Strength Test of various kinds of food** by setting speed and displacement. (Displacement setting is available only with EMX, output of displacement is available with FA-PLUS.)
- Measurement of electric materials such as **Peeling Test of solder paste** by setting two steps of speed and time period to keep force.
- Various kinds of compression and tensile measurement.

[Features]

- Digitally set speed makes measurement more accurate and stable.
- Endurance test is possible with timer and counter functions.
- Accuracy of measurement has improved with stronger main shaft.
- Functions of over load prevention and force control are available.
(with applicable force gauges)
- Settings such as speed and displacement can be memorized as a pattern
(Max 5 patterns memorable, EMX only).

[Specifications]

Model			MX2-1000N	EMX-1000N
Construction	Capacity	Max force enable to apply	1000N	
	Stroke	Stroke main shaft can operate	295mm	280mm
	Space	Max distance from table to tip of measurement shaft of force gauge ZP/Z2 when the head is on top	310mm	315mm
	Shaft strength	Max gap of distances from table to tip of gauges under no force and max force applied.	0.5mm 1.0mm (long stroke)	0.25mm 0.6mm (long stroke)
	Table	Size of table	W200*D100mm	
	Applicable gauges and load cells	Digital force gauge (DPS/DS2/DPX/DPZ/Z2/ZP)	YES	
		High capacity force gauges (PSH/DPSH/DPXH/DPZH/Z2H/ZPH)	YES	
		Mechanical force gauge (FB/PS/PSM)	YES	
		Load cell (DPU-2N~500N)	YES	
		Load cell (DPU-1000N)	YES	
Outfit	Speed	Range of speed	10~300mm/min	0.5~600mm/min
Operation/Function	Stroke limit	Controllable with upper/lower stroke limit sensors	YES	
	Speed change	Automatic shift to set speed at speed change point	-	YES
	Control	Operation automatically stops when more than capacity force is applied	YES *1*2	
		Force is trigger to control	YES *2	
		Displacement is trigger to control. Displaying during measurement and outputting is available by customize as F-S Master	-	YES
	Mode	Manual/JOG (slight movement)/Cycling (trigger and counter are standard function)	YES	
	Memory	Settings such as speed and displacement can be memorized (max 5 patterns)	-	YES
Option	Long stroke		(YES)	
	Linear scale by MITUTOYO		(YES)	-
	Speed range change (capacity of force decreases)		(YES) *3	-
	Customized for FA-PLUS (model: “-FA” Linear scale is attached)		(YES)	
Other	Temperature		0~+40 degree Celsius	
	Humidity		35~70%, avoid condensation	
	Dimension		W280*D421*H66 0	W280*D421*H6 43
	Weight		19kg	23.5kg
	Power voltage		AC100~240V 50/60Hz (Please specify from 100, 120, 230V. Accessories are different.)	
	Power		50W	100W

YES: Attached (YES): Optional -: Not available

*1: Not guarantees perfect protection from over load

*2: Valid with force gauge ZP/ZP, ZPH/Z2H series or amplifier FA-Plus

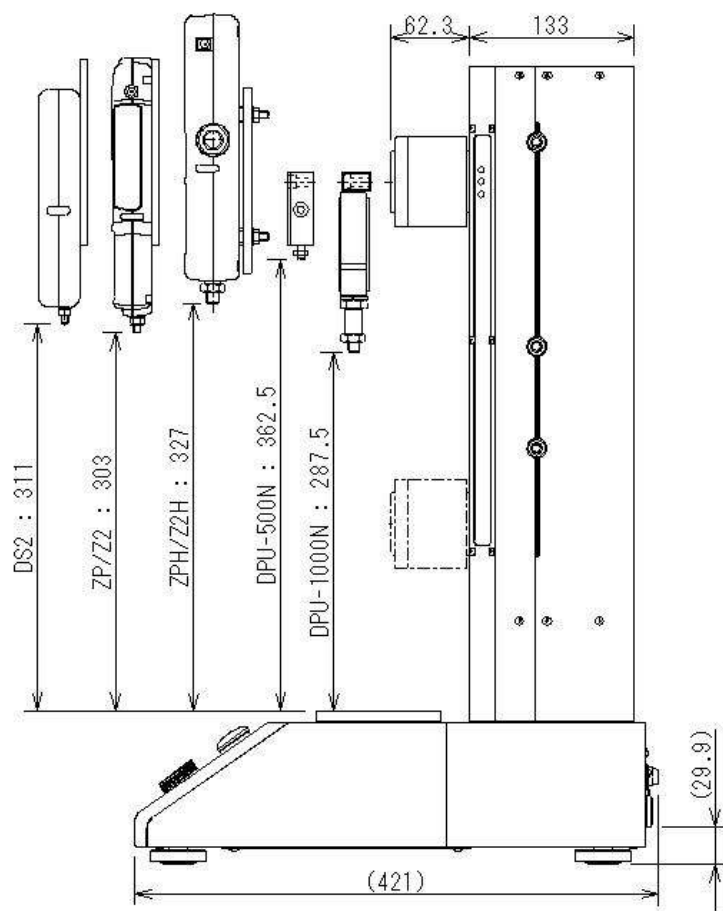
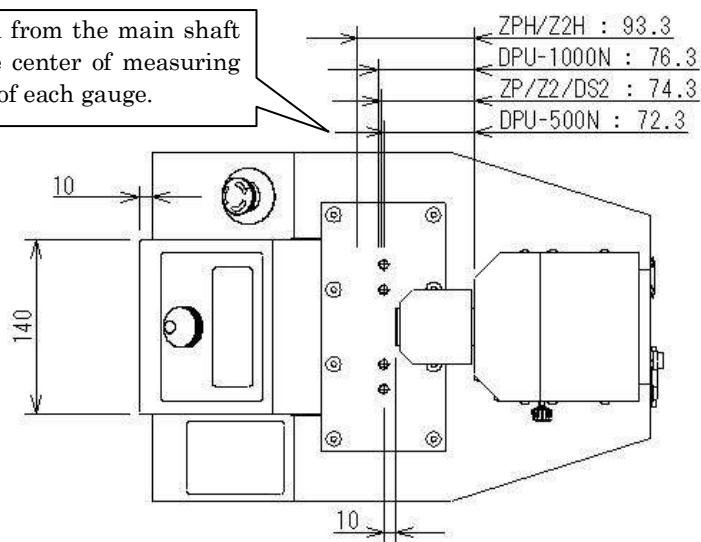
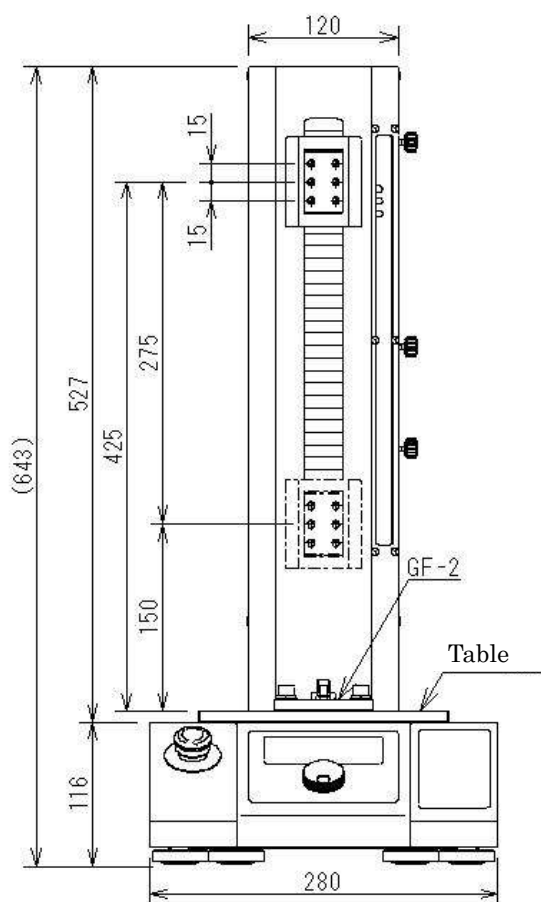
*3: MX2-1000N-V75 (Capacity: 1000N): 2~75mm/min

MX2-1000N-V600 (Capacity: 500N): 20~600mm/min

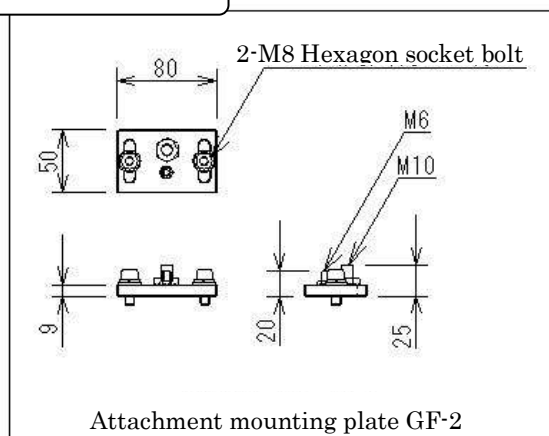
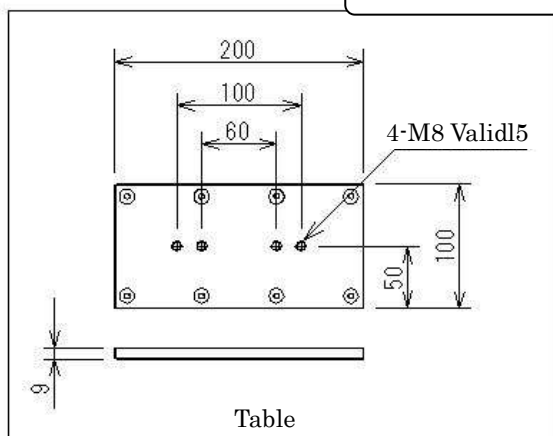
(Please ask us for other speed ranges.)

[Dimension]

EMX-1000N

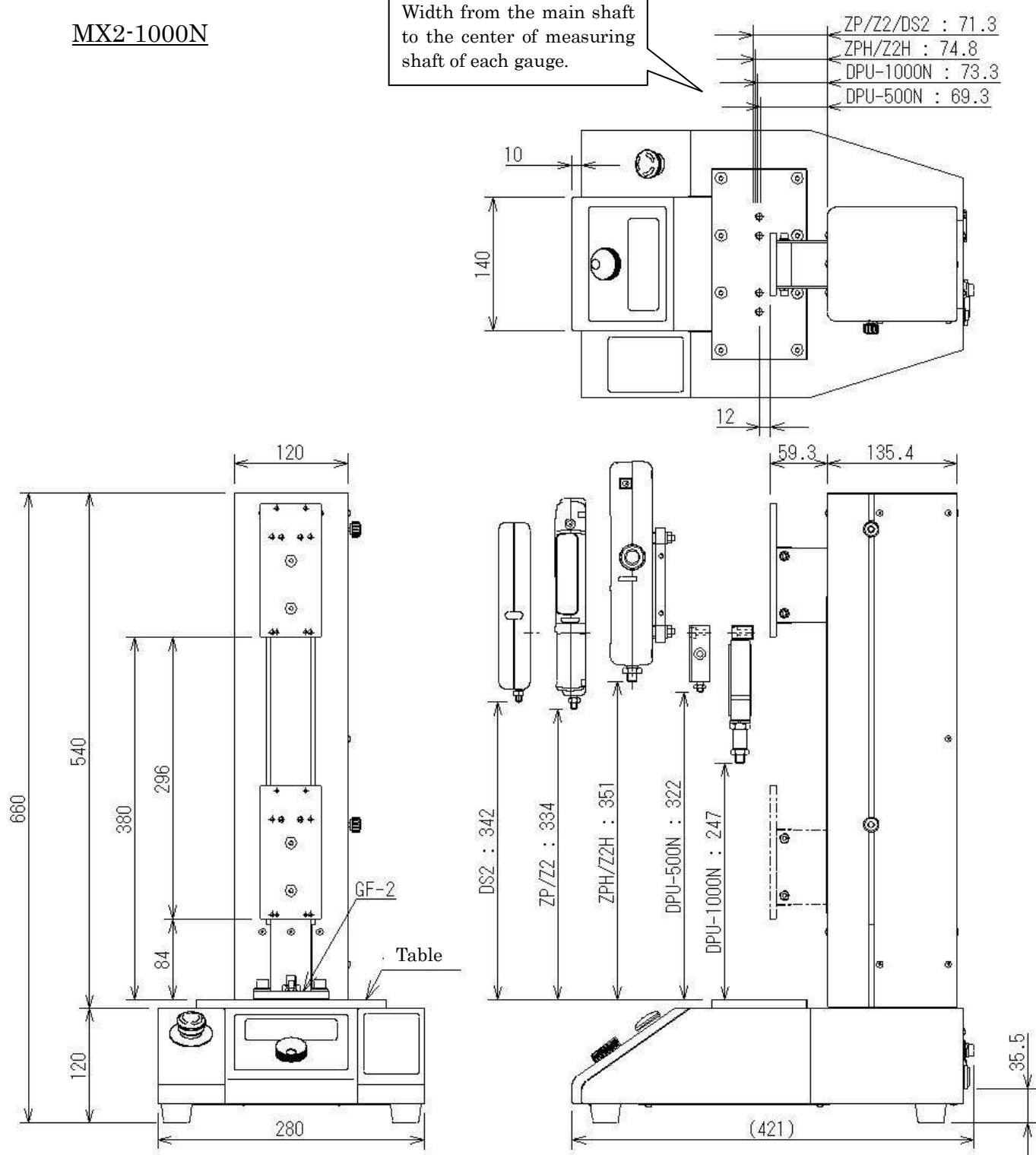


Common to EMX-1000N and MX2-1000N



MX2-1000N

Width from the main shaft
to the center of measuring
shaft of each gauge.

**[Caution]**

- Force gauges or load cells and force amplifiers are needed for force measurement.
We offer these products best to use with the stand.
- Various kinds of optional attachment are available.
- The contents may change without notice in advance.