

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]

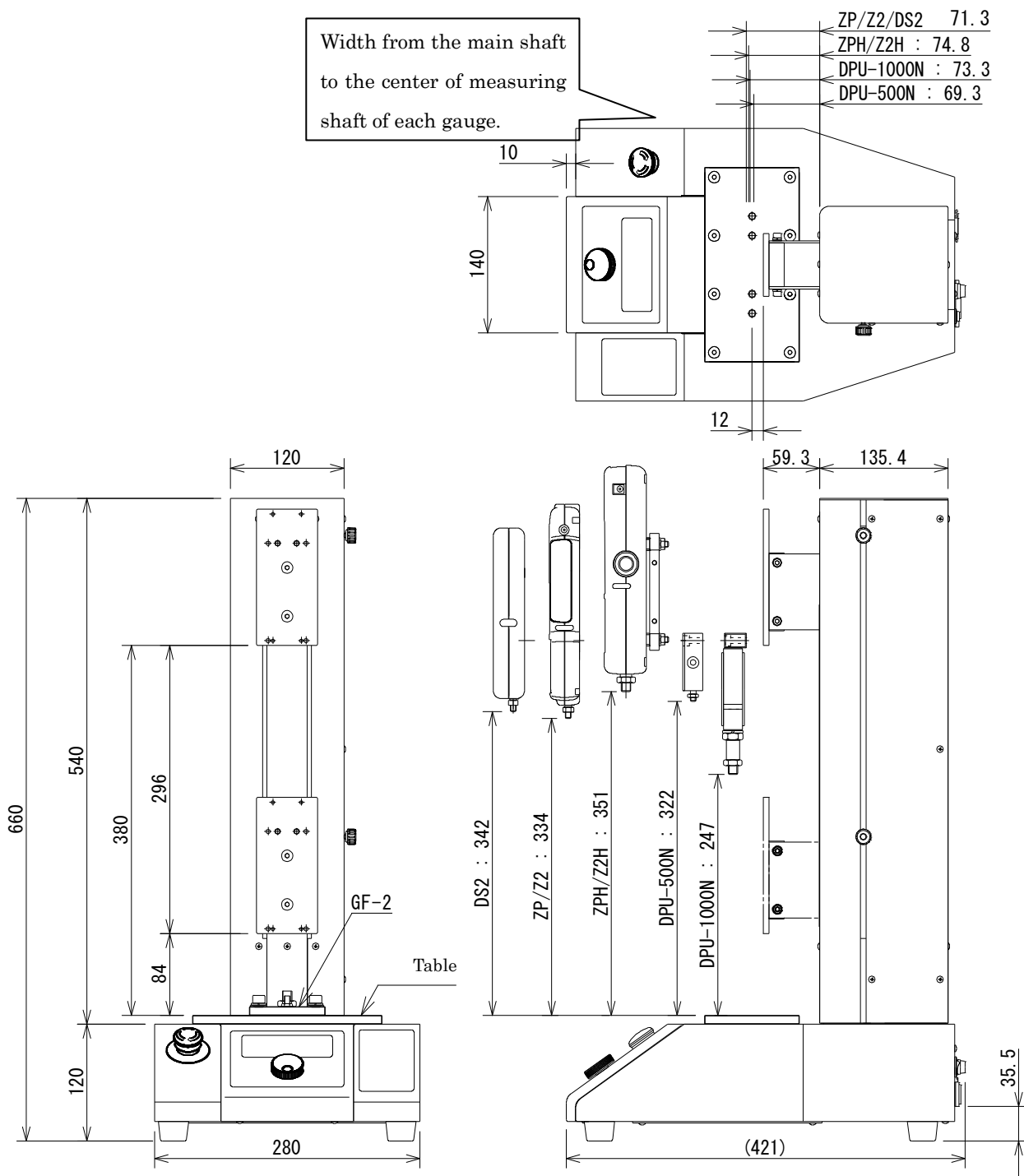
Model			MX2-1000N	EMX-1000N	
Construction	Capacity	Max force enable to apply	1000N	1000N	
	Stroke	Stroke main shaft can operate	295mm	280mm	
	Space	Max distance from table to tip of measurement shaft of force gauge ZP/Z2 when the head is on top.	310mm	315mm	
	Shaft strength	Max gap of distances from 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	W200xD100mm		
	Applicable gauges and load cells		Digital force gauge (DPS/DS2/DPX/DPZ/Z2/ZP)	○	
		High capacity force gauges (PSH/DPSH/DPXH/DPZH/Z2H/ZPH)	○		
		Mechanical force gauge (FB/FS/PS/PSS/PSM)	○		
		Load cell (DPU-2N~500N)	○		
		Load cell (DPU-1000N)	○		
Outfit	Speed	Range of speed	10~300mm/min	0.5~600mm/min	
Operation/ Function	Stroke limit	Controlable with upper/lower stroke limit sensors.	○		
	Speed change	Automatic shift to set speed at speed change point.	-	○	
	Control		Operation automatically stops when more than capacity force is applied.	○*1, *2	
			Force is trigger to control	○*2	
			Displacement is trigger to control. Displaying during measurement and outputing is available by customize as F-S Master	-	○
	Mode	Manual/JOG (slight movement)/Cycling (timer and counter are standard function)	○		
Memory	Settings such as speed and displacement can be memorized. (max 5 patterns)	-	○		
Option		Long stroke	△		
		Linear scale by MITUTOYO	△	-	
		Speed range change (capacity of force decreases)	△	-	
		Customised for FA-PLUS (model: "-FA" Linear scale is attached.)	△	△	
Other		Temperature	0°C~+40°C		
		Humidity	Within 35% to 70%, avoid condensation		
		Dimension	W280, D421, H660 (mm)	W280, D421, H643 (mm)	
		Weight	19kg	23.5kg	
		Power voltage	AC100 to 240V 50/60Hz		
		Power	50W	100W	

○: attached, △: optional, -: not available

*1: Not guarantees perfect protection from over load.

*2: Valid with force gauge ZP/Z2, ZPH/Z2H series or amplifier FA-Plus

MX2-1000N



[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.