

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

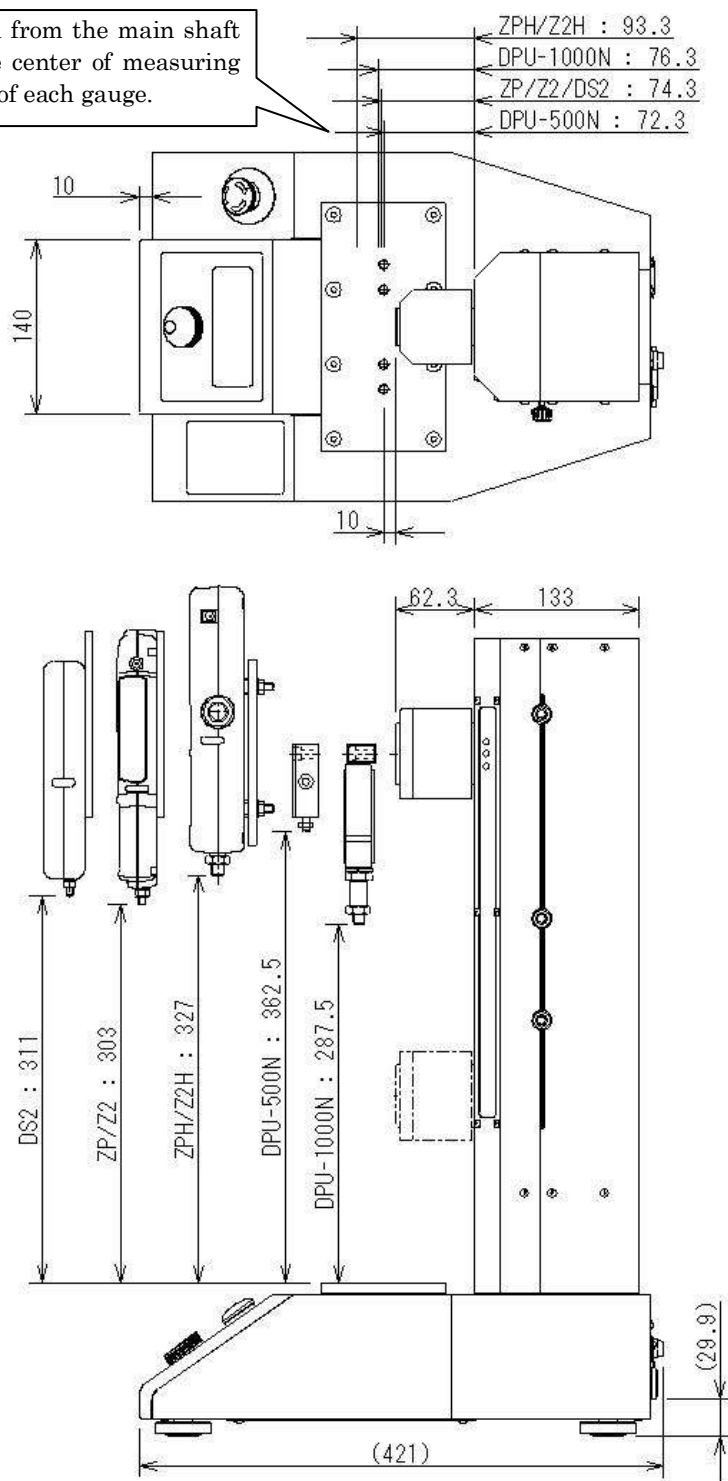
*2: Valid with force gauge ZP/ZP, ZPH/Z2H series or amplifier FA-Plus

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

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

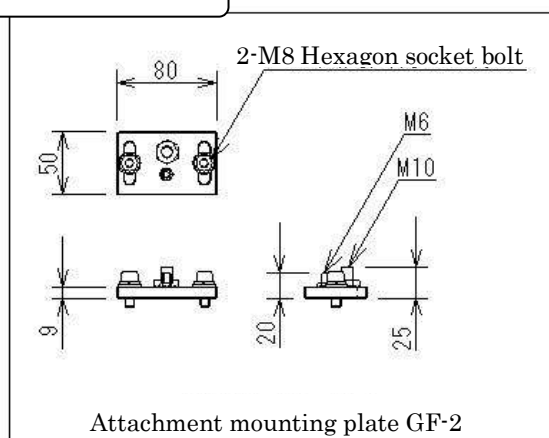
(Please ask us for other speed ranges.)

EMX-1000N



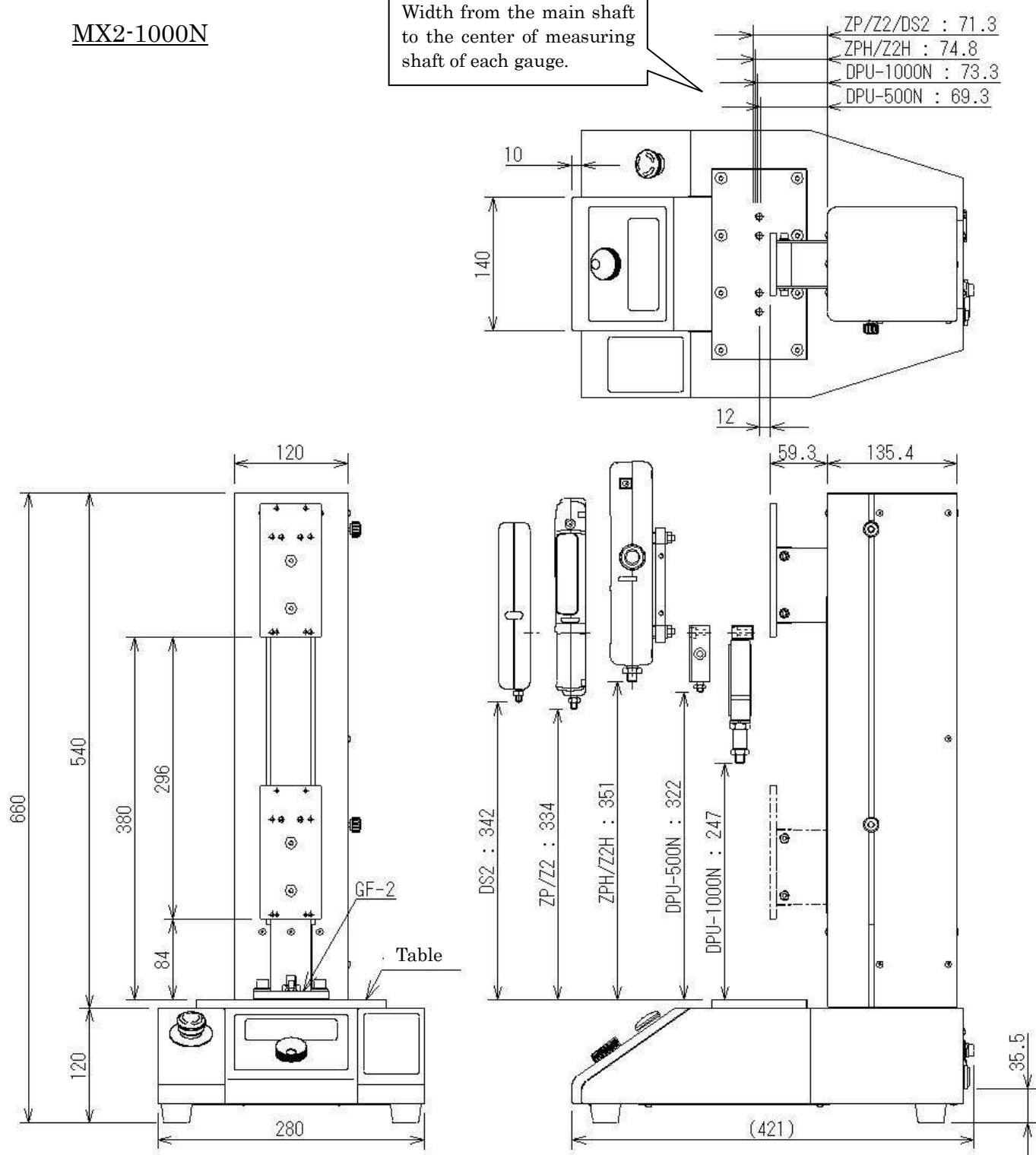
Technical drawing of a table showing top and side views with dimensions:

- Top View:** A rectangle with overall dimensions of 200 (width) by 100 (depth). The distance between the centers of the front legs is 100, and the distance between the centers of the rear legs is 60. There are four circular symbols representing bolt holes, one at each corner. A label "4-M8 Valid15" points to the top-right corner hole.
- Side View:** A rectangle showing the table's profile with a total height of 100. The distance from the bottom edge to the center of the bolt holes is 50.
- Leg Detail:** A separate view of a leg with a diameter of 9.



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.