



RoHS Compliant

NBK®

No.E-9272

## Vibration Isolation Bases

**Material** Insulated Base Mounts: ABS resin  
Insulated Base: White granite

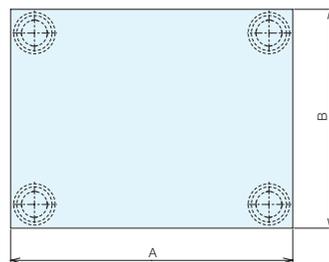
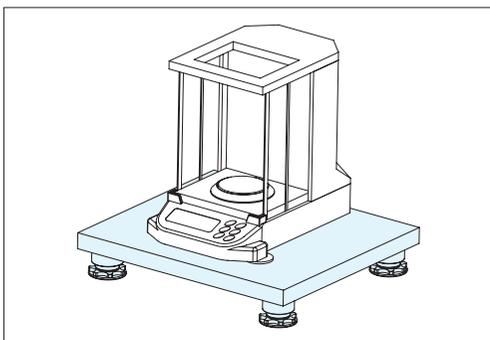
**Surface Treatment** Insulated Base: Polished finish

- Employs a low-profile design!
- Highly suitable for precision instruments that are averse to vibrations.  
Dampens vibrations transmitted from the floor or table, allowing you to get the most out of precision measurement instruments such as electronic balances, viscometers, and surface roughness testers.
- Level adjustment is easy using the height adjustment knob.

### ⚠ Cautions

- The insulated base should be placed on a horizontal surface.
- Vibration isolation cannot be guaranteed when outside the maximum allowable load.
- The base should be installed such that the load is applied vertically on the top.
- The base should be installed such that the load is applied evenly across the insulated base mounts.  
Please consult us for details on support for off-center loads.

### Usage Examples



### Specifications

Order No.	No.	Order No.	No.	Weight (kg)	Allowable Load (N)
117847	VPG2836-007L	118217	VPG2836-007HD	2.5 - 12	25 - 118
117848	VPG2836-020L	118218	VPG2836-020HD	9 - 25	88 - 245
998100	VPG3545-003L	116925	VPG3545-003HD	0 - 7	0 - 69
998101	VPG3545-010L	116926	VPG3545-010HD	5 - 20	49 - 196
998102	VPG3545-030L	116927	VPG3545-030HD	16 - 42	157 - 412
998103	VPG3545-070L	116928	VPG3545-070HD	40 - 90	392 - 882
998104	VPG3545-100L	116929	VPG3545-100HD	60 - 130	588 - 1274
998105	VPG4045-003L	116930	VPG4045-003HD	0 - 6	0 - 59
998106	VPG4045-010L	116931	VPG4045-010HD	5 - 18	49 - 179
998107	VPG4045-030L	116932	VPG4045-030HD	15 - 40	147 - 392
998108	VPG4045-070L	116933	VPG4045-070HD	40 - 90	392 - 882
998109	VPG4045-100L	116934	VPG4045-100HD	60 - 125	588 - 1225

D:レベリング下限時での使用高さとなります。(高さ調整範囲+5mm)

Jig Set-up Systems (Q-lock)

Base Elements

Clamp Units

Clamping Parts

Mechanical Parts

Machine Visas

Surface Plates and Measurement Instruments

Index

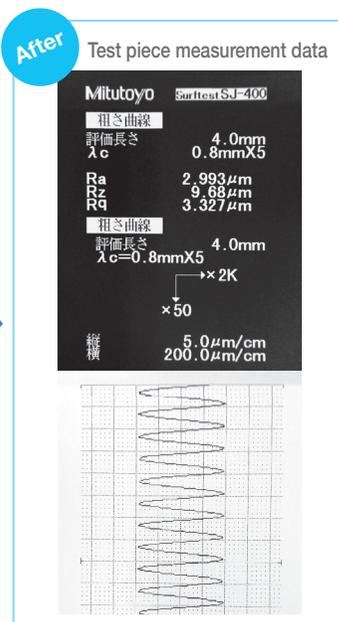
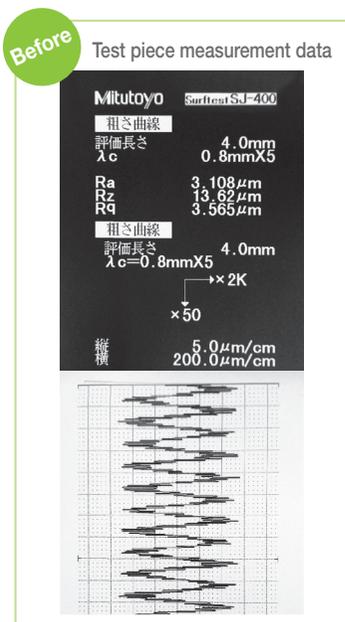
Examples of Actual Improvement

■ The measured value of a roughness tester is not stable

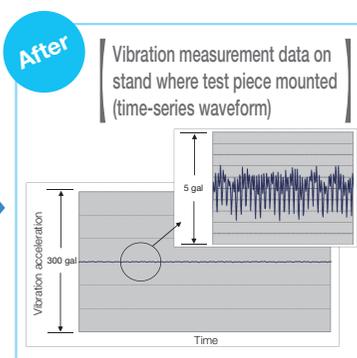
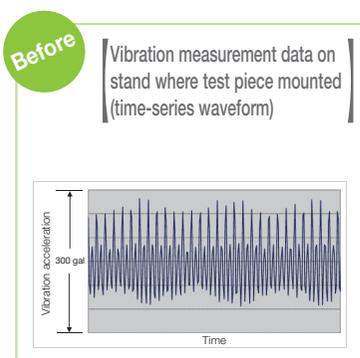
Vibration source: Compressor



Photo of use



Test piece: Ra 2.94 μm

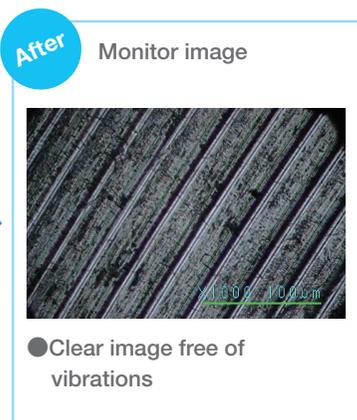
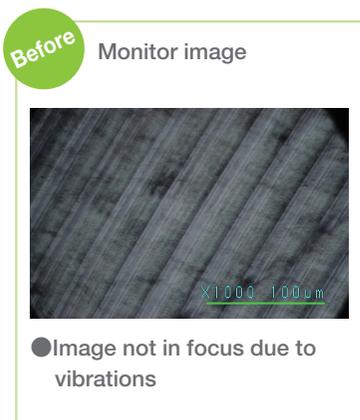


■ The image on a microscope monitor is blurry

Vibration source: Machine press



Photo of use



- Jig Set-up Systems (Q-lock)
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RoHS Compliant Additional size

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# Vibration Isolation Bases

## Improvement Cases

### Micro Vickers (Case of High Damping Type)

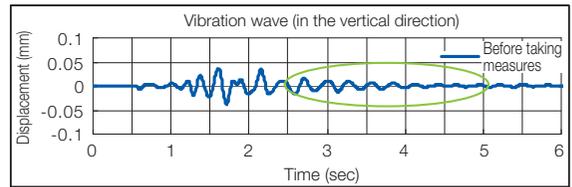
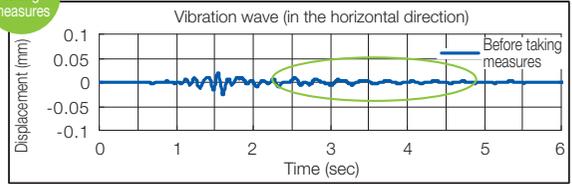
Problem: Wobbling does not immediately stop after stage positioning



Model name of the vibration isolation base used: VLS3858-070HD

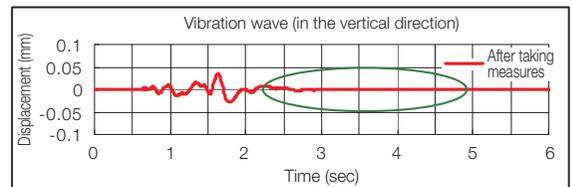
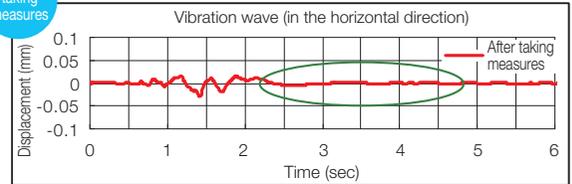
Vibration isolation base: When using a normal type Wobbling does not stop immediately.

Before taking measures



Vibration isolation base: When using an high damping type The convergence time after the operation was shortened.

After taking measures



### Recommended equipment

- Electronic balance
- Microscope
- Hardness tester

Optimal for movable equipment which requires settlability. (where wobbling needs to be stopped immediately)



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