

RoHS Compliant

NBK®

No.E-9272

Vibration Isolation Bases

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

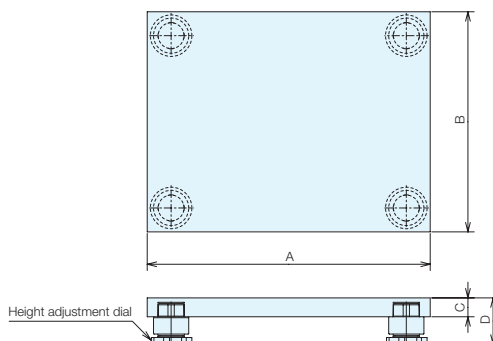
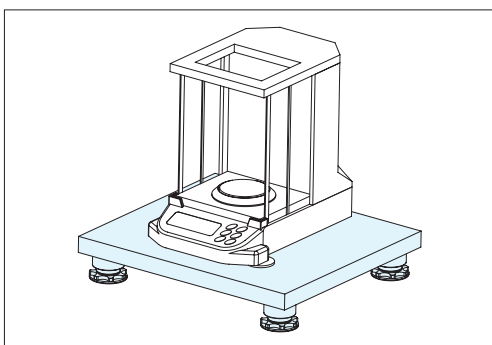
Surface Treatment Insulated Base: Polished finish

- 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 Vises

Surface Plates and
Measurement Instruments

Index

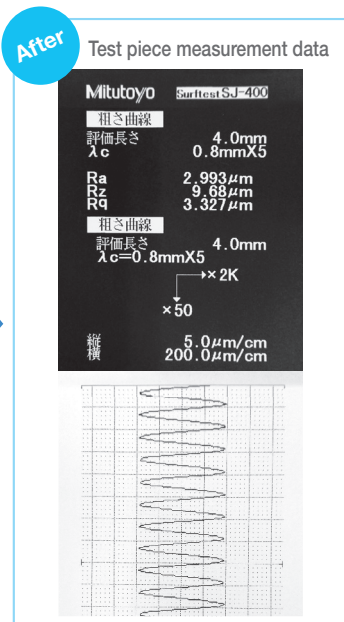
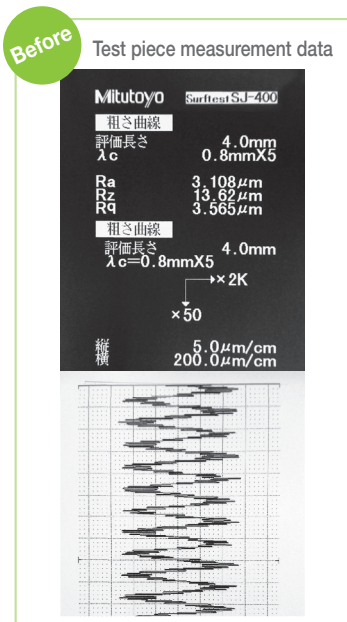
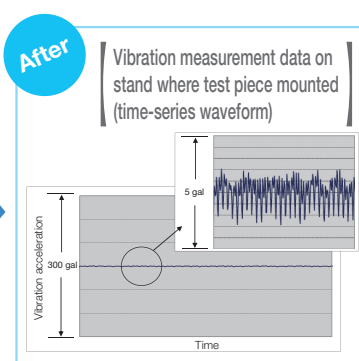
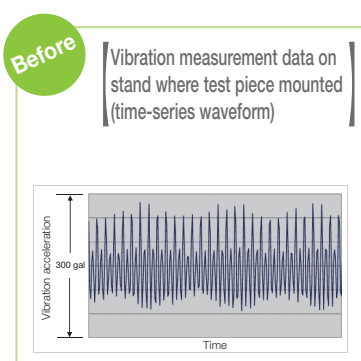
Examples of Actual Improvement

The measured value of a roughness tester is not stable

Vibration source: Compressor



Photo of use

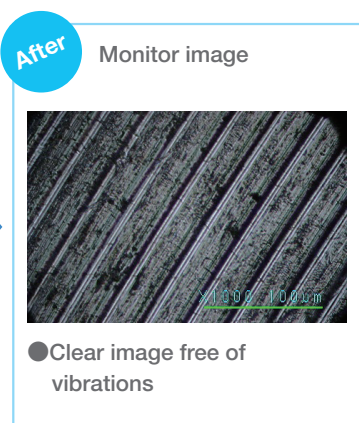
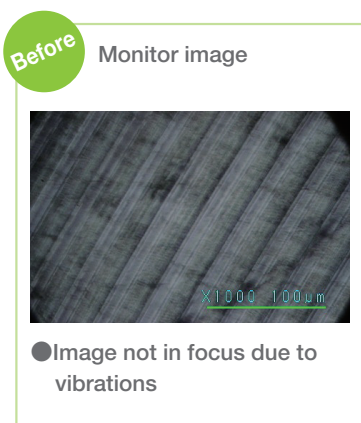
Test piece: Ra 2.94 μm 

The image on a microscope monitor is blurry

Vibration source: Machine press



Photo of use

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Additional size

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Improvement Cases

Micro Vickers (Case of High Damping Type)

Problem: Wobbling does not immediately stop after stage positioning

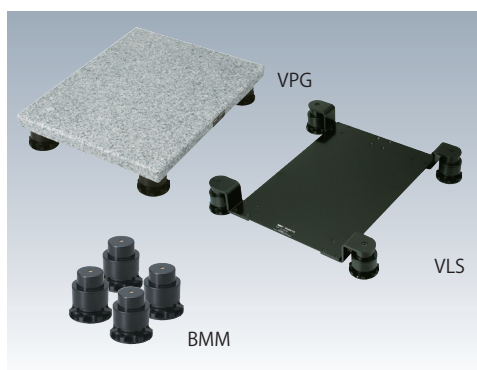


Model name of the vibration isolation base used: VLS3858-070HD

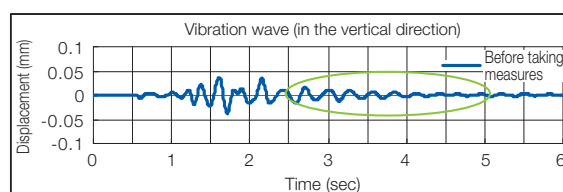
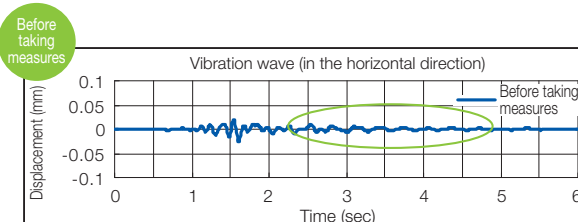
Recommended equipment

- Electronic balance
- Microscope
- Hardness tester

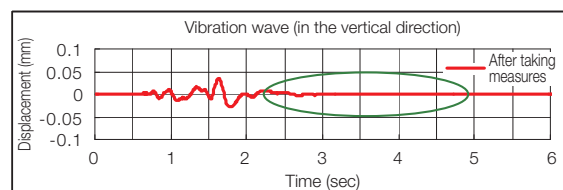
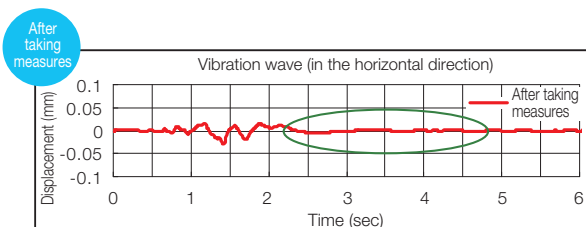
Optimal for movable equipment which requires settlability.
(where wobbling needs to be stopped immediately)



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



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

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(Q-lock)

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