

Vibration suppression

New technology for production process optimization







Every motion stops in 0.05 seconds

The vibration control technology can prevent items from shaking, fluid from sloshing or spilling, cargos from being fetched away or collapsing, fragile materials from falling over and breaking, etc. It can even handle various combinations of these applications, which means that higher-precision process control is possible without costly investments in equipment.

Enhance the liquid transfer speed by 20%

The vibration control technology prevents liquid surfaces from sloshing through the use of sloshing suppression control, and transfers the liquid speedily. Because the liquid surface during transportation becomes stable, the speed is enhanced by 20%.



Production process optimization

Omron's vibration suppression to reduce waiting times and product damage

Production process improvements can be realized by intelligently evaluating mass production process data. For identified improvement areas new technology can be applied to optimize the flow of products or reduce waste. Omron's vibration suppression technology can realize improved movement control to optimize transportation speed.

Anti-sloshing movement control

When transporting liquids unwanted sloshing may influence the accuracy of a weighing process e.g. for determining the correct content of pharmaceutical products. The resulting waiting time until the liquid sloshing has stopped can be reduced using Omron's vibration suppression technology.

Vibration suppression (VS) for different objects

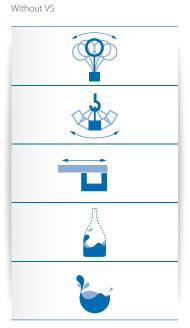
Vibration suppression for objects with unfavourable geometry

suppression for hanging material

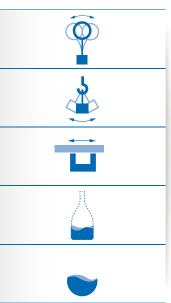
Vibration suppression for horizontal handling

Sloshing suppression

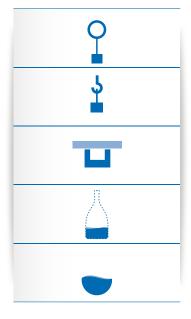
Spilling suppression











OMRON Asia Pacific Regional HQ

- (65) 6835 3011
- (65) 6835 2711
- apac_enquiry@ap.omron.com
- W omron-ap.com

Get Constant Updates

facebook.com/OmronAPAC.IAB

- TF 1300 766 766 1300 434 682
- au_enquiry@ap.omron.com
- omron.com.au

- (91-22) 7128 8400 (91-22) 7115 5602
- in_enquiry@ap.omron.com
- w omron-ap.co.in

Indonesia

- (62-21) 2949 7500 (62-21) 2949 7555
- id enquiry@ap.omron.com

omron.co.id

- (60-3) 7688 2888
- (60-3) 7688 2833 my enquiry@ap.omron.com
- omron-ap.com.my

New Zealand

- 0800 466 766
- (64-9) 358 4411 nz_enquiry@ap.omron.com
- w omron-ap.co.nz

- **Philippines T** (63-2) 811 2831 (63-2) 811 2583
- ph enquiry@ap.omron.com
- W omron-ap.com.ph

- (65) 6547 6789
- (65) 6547 6769
- sq enquiry@ap.omron.com
- W omron-ap.com.sg

Thailand

- (66-2) 942 6700
- (66-2) 937 0501
- th_enquiry@ap.omron.com
- omron-ap.co.th

Vietnam

- (84-28) 3920 4338 (84-28) 3920 4335
- hcm_enquiry@ap.omron.com
- W omron.com.vn