SPECIFICATION SHEET · VS SERIES (VIBRATION SYSTEM)

# VS-6 Vibration System

Standalone six-degree-of-freedom repetitive shock vibration system with a 30 × 30 in table, ready to run in its sound enclosure. The same table as the VTC-6 HALT/HASS chamber. Designed, built and supported in Allegan, Michigan.

†Photo shows a different VS size.

| 30 × 30 in | 10–10,000 Hz | 100 GRMS | 700 lb | 55 SCFM |
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| vibration table | 6-DoF repetitive shock | maximum vibration level | maximum load | compressed air |

## VIBRATION

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| **Vibration** | Tri-axial 6-DoF repetitive shock, non-coherent broadband, 10–10,000 Hz |
| **Vibration level** | Up to 100 GRMS, unloaded table at 25–30 °C |
| **Energy distribution** | 90% of vibration energy in 10–4,000 Hz |
| **Repeatability** | ±1 GRMS within one minute of settling |
| **Vibration table** | 30 × 30 in (762 × 762 mm), ceramic-coated and insulated from its base |
| **Mounting inserts** | Stainless steel 3/8-16 or M10 over the full table surface, no restricted areas |
| **Maximum load** | 700 lb (318 kg) |
| **Vibrators** | Three medium and two large pneumatic vibrators, LubeMist™ lubricated with an adjustable ball valve and precision air regulator on each; SoftStart™ to minimize starting shock |
| **Accelerometer** | One Dytran 3030B5 with cable and three-axis mounting block |

## ENCLOSURE

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| **Exterior (W × D × H)** | 36 × 36 × 32 in (914 × 914 × 813 mm), nominal |
| **Construction** | Insulated panels and floor with an acoustic lining; removable wall for service access |
| **Weight** | 1,500 lb (680 kg) |

## UTILITIES

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| **Electrical** | 110–220 V AC, single phase, 15 A outlet |
| **Compressed air** | 3/4 in NPT supply, 120 psig (8.3 bar), 55 SCFM, clean and dry |
| **Installation** | Unloading, rigging and utility connections are provided by the customer |

## CONTROL AND INSTRUMENTATION

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| **Control** | Watlow controller with Hanse ChamberCore software, supplied with the system: programmable vibration ramps, GRMS level and test duration; can be synchronized with a chamber's temperature controller |
| **GRMS control** | From one accelerometer or the average of several, written straight to the Watlow controller for closed-loop control |
| **ChamberFFT (option)** | Vibration analysis on up to 16 IEPE accelerometer channels at 25,600 samples per second |

## SAFETY

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| **Interlock connection** | Shuts down vibration |
| **Emergency power off** | EPO shuts off system operation |

## OPTIONS

- **More accelerometer channels** — in groups of four, up to sixteen, with ChamberFFT.
- **More accelerometers** — Dytran 3030B5 with cable, and three-axis mounting blocks.
- **Thermocouple inputs** — 14 more product thermocouples, for 16 monitored and logged in ChamberCore.
- **Fixtures** — designed for your product, Metric or English layout.
- **Enclosure top** — manual or automatic opening, with ports or view windows.
- **Chamber integration** — the same table built into a VTC chamber, or supplied as a VK kit for a chamber you own.

## WARRANTY AND SUPPORT

- **3-year warranty** on vibrators and vibration tables.
- **1-year equipment warranty** from shipment: parts and labor for the first 90 days, then parts at no cost other than travel.
- **Supported for the long term** — including controller retrofits for older systems.
- **Built in Allegan, Michigan** — designed, fabricated and supported in the US since 1993.

Specifications are subject to change without notice. Any Hanse system can be modified to fit your requirements.

Request a quote at hanseenv.com/contact-hanse-environmental · Tel 1-269-673-8638 · hanseenv.com/vibration-systems/vs-6 · Revised October 10, 2026