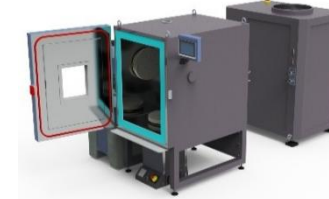
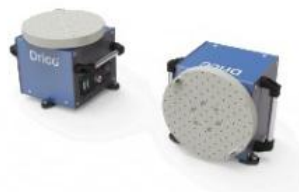


# Single Axis Motion Simulator Series

Reference: Standard Series

MODEL                      TES-V/H\_2-3                      TES-V/H\_3-3                      TES-V/H\_4-4                      TES-V/H\_3-3-TM                      TES-V/H\_4-4-TM



## Specifications\*

|                           |                                                                                                                      |                                                                                    |                                                                              |                                                                                                                                         |                                                                                                                                         |
|---------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Description               | Compact single axis motion simulator. The axis can be changed from horizontal to vertical and vice versa.            | Single axis motion simulator. Available in vertical and horizontal versions        | Single axis motion simulator. Available in vertical and horizontal versions. | Single axis motion simulator with free standing temperature chamber. Available in vertical and horizontal versions and as a combination | Single axis motion simulator with free standing temperature chamber. Available in vertical and horizontal versions and as a combination |
| Nominal Load              | 20 kg                                                                                                                | 20 kg                                                                              | 40kg                                                                         | 20 kg                                                                                                                                   | 40 kg                                                                                                                                   |
| Tabletop Dimension        | Ø 300 mm                                                                                                             | Ø 300 mm                                                                           | Ø 420 mm                                                                     | Ø 300 mm                                                                                                                                | Ø 420 mm                                                                                                                                |
| Position Accuracy         | ≤± 15 arcsec RSS or ≤± 30 arcsec PP (uncalibrated version)<br>≤± 2 arcsec RSS or ≤± 6 arcsec PP (calibrated version) | ≤± 1 arcsec RSS or ≤± 3 arcsec PP                                                  |                                                                              |                                                                                                                                         |                                                                                                                                         |
| Position Range            | ±(0.0000 to 359.9999) deg unlimited rotation                                                                         | ±(0.00000 to 359.99999) deg unlimited rotation                                     |                                                                              |                                                                                                                                         |                                                                                                                                         |
| Rate Stability†           | ≤10ppm                                                                                                               | ≤1ppm                                                                              |                                                                              |                                                                                                                                         |                                                                                                                                         |
| Rate Range                | ±(0.0001 to 2'000) deg/s                                                                                             | ±(0.00001 to 10'000) deg/s                                                         |                                                                              |                                                                                                                                         |                                                                                                                                         |
| Acceleration <sup>Δ</sup> | ≥ 10'000 deg/s <sup>2</sup>                                                                                          |                                                                                    |                                                                              |                                                                                                                                         |                                                                                                                                         |
| Wobble                    | ≤± 2 arcsec RSS or ≤± 6 arcsec PP                                                                                    | ≤± 1 arcsec RSS or ≤± 3 arcsec PP                                                  |                                                                              |                                                                                                                                         |                                                                                                                                         |
| Sliprings                 | 2 x 5A (S) 240VDC<br>12 x 2A (S) 150VDC<br>12 x 2A (TP) 150VDC                                                       |                                                                                    |                                                                              |                                                                                                                                         |                                                                                                                                         |
| Temperature Range         | --                                                                                                                   | --                                                                                 | --                                                                           | -60°C to 125°C                                                                                                                          | -60°C to 125°C                                                                                                                          |
| Temperature Gradient†     | --                                                                                                                   | --                                                                                 | --                                                                           | Heat: ≥ 4°C/min<br>Cool: ≤ -3°C/min                                                                                                     | Heat: ≥ 4°C/min<br>Cool: ≤ -3°C/min                                                                                                     |
| Interface                 | Ethernet                                                                                                             | Advanced Control System (ACS)                                                      |                                                                              |                                                                                                                                         |                                                                                                                                         |
| User Software             | Drico Motion Studio (DMS), Drico Device Interface (DDI)                                                              | Drico Motion Studio (DMS), Drico Device Interface (DDI), LabView Driver (optional) |                                                                              |                                                                                                                                         |                                                                                                                                         |
| Options                   | - Custom slipring, - Custom tabletop, - On-site installation, - Balancing unit for high speed application            |                                                                                    |                                                                              |                                                                                                                                         |                                                                                                                                         |

\*All given specifications are maximum values

<sup>Δ</sup> These specifications are measured without payload

†Between **min+10%** and **max-10%** of temperature range (IEC 60068-3-5:2001)

\* Over a full rotation of 360 degree