

## Active Vibration Isolation Workstation

**1TS-140W**  
**1TS-140WB**  
**1TS-140WB-AL**



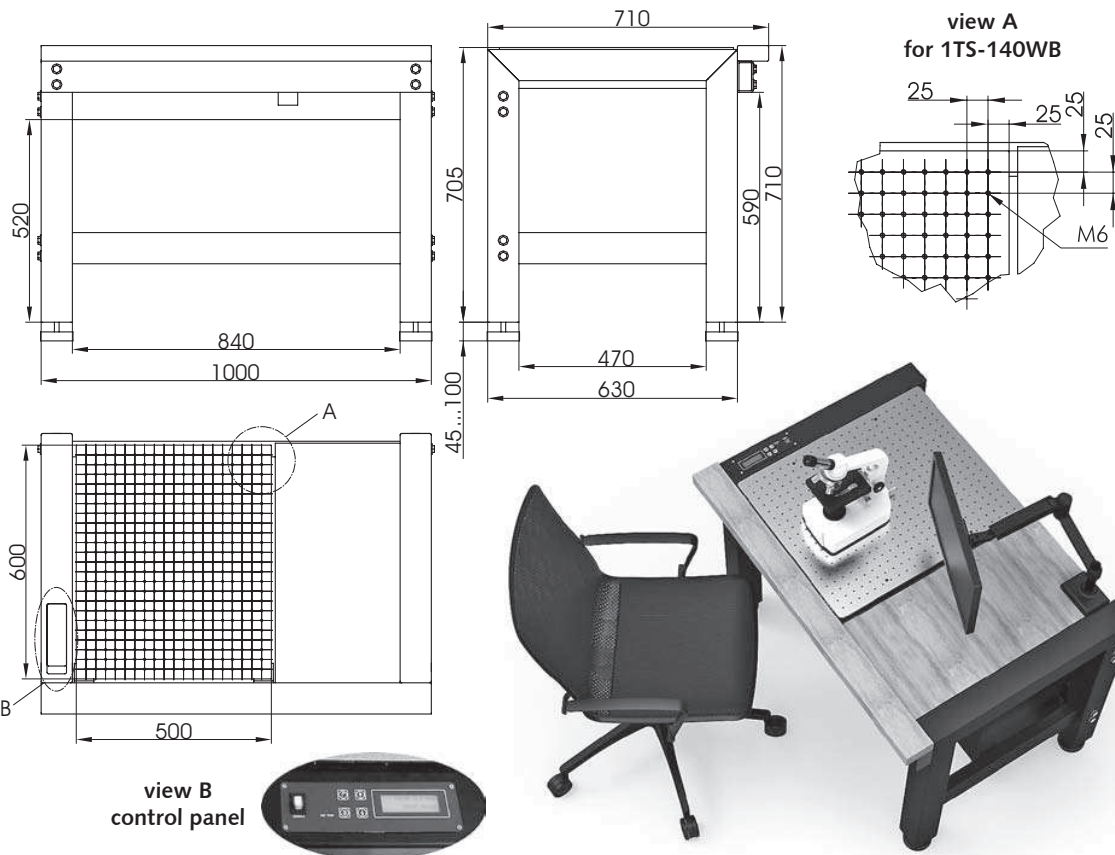
### APPLICATIONS

- Scanning probe microscopy
- Scanning electron microscopy
- Scanning near-field optical microscopy / NSOM
- Control laser microscopy
- Interferometry
- Metrology / Profilometry
- Nano indentation
- Nano lithography
- Ultrathin film applications
- Analytical balances
- Bio-physical measurement
  - \* Single molecule investigations
  - \* Cell micro infection
  - \* Patch clamp
- \* Cell manipulation
- \* IVF techniques

Active vibration isolation workstation comprises of ergonomic rigid frame, guarding armrest and supplied with three modifications of active vibration isolation system: 1TS-140 with solid surface, 1TS-140B with honeycomb breadbord 1HB05-06-025-001 and 1TS-140B-AL with aluminium breadbord 1B-AL-50-60-015. The control panel is built into the frame and allows comfortable work. This system is extremely convenient to use. Load compensation is performed automatically on switching on the power. If the load is changed whilst the system is isolating, it automatically readjusts and then returns

to the isolation mode. The workstation is design is optimized for such delicate instruments as AFM's, Laser Scanning Microscopes, SNOM's, profilometers, nanoindenters, etc.

Upon request we can make custom workstations with working surfaces 400 x 450 mm (maximum load 150 kg) and 600 x 800 mm (maximum load 120 kg).



### ORDERING INFORMATION

- 1TS-140W** - with active system **1TS-140**
- 1TS-140WB** - with active system **1TS-140B**
- 1TS-140WB-AL** - with active system **1TS-140B-AL**

more info about Active System 1TS-140 on page 1-15.

Ideal for use with **interferometers, atomic force microscopes, scanning near field optical microscopes**, and other equipment sensitive to low frequency vibrations.

- 1 Optical Tables
- 2 Brackets & Rails
- 3 Base Mounts & Accessories
- 4 Optical Mounts
- 5 Optical Positioners
- 6 Base Positioners
- 7 Translation & Rotation Stages
- 8 Motorised Positioners & Controllers
- 9 Fine Adjustment Screws
- 10 Opto-Mechanics & Sets
- 11 Light Test & Measurement Instruments
- 12 Lasers & Laser Accessories

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