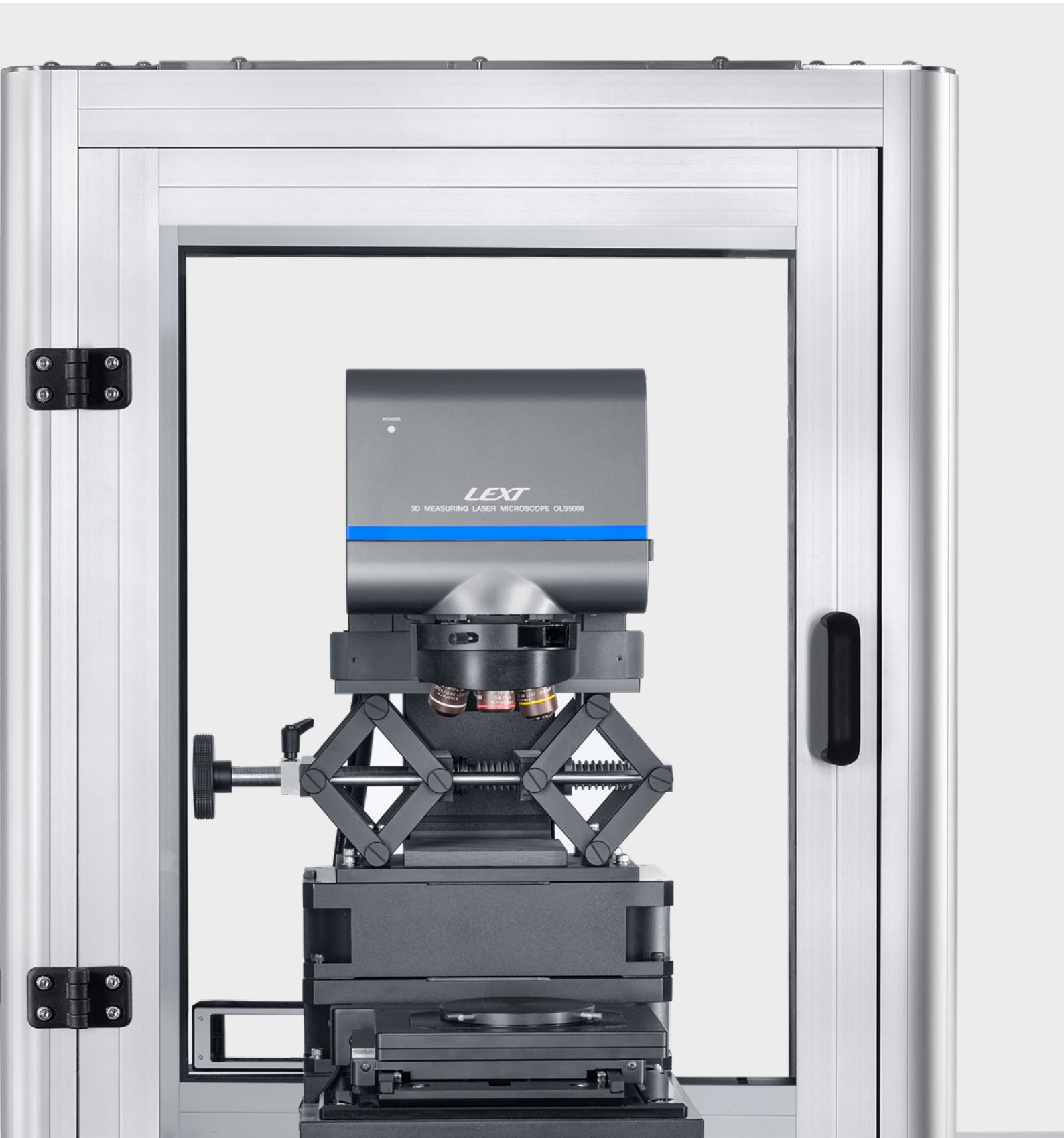


LEXT™ Workstations

All-In-One Solutions





An All-In-One Solution for High-Resolution Inspection

For a complete solution for precise nm scale inspection, discover our high-stability workstations for standard LEXT OLS5100 models as well as the LEXT CUS TM.

Dedicated LEXT workstations provide:

- Stable microscope stands
- Active antivibration units
- Environmental control boxes
- Extended stands for PCs and monitors



Dedicated monitor table for the LEXT system



Compatible with standard tables

These workstation components can be combined into a single dedicated tool for precise visual inspection, or purchased as standalone units to suit individual inspection requirements.

- Versatile 2-unit workstations can be easily arranged in various orientations
- A separate base unit prevents transmission of vibrations from PCs and controllers to the LEXT system
- The base unit can also be combined with existing tables for PCs and monitors

LEXT High-Stability Stands

Enhancing Visual Inspection Capabilities

To enable optimal accuracy for nm scale measurements, LEXT stands provide a range of unique features:

- Designed to accommodate an environmental control box—extending the measurement capabilities of the LEXT system to include cleanroom inspection
- Can be fitted with an integrated or desktop active antivibration unit that negates external vibrations and provides maximum microscope stability
- Models for the either the standard LEXT or the CUS TM extend the range of samples that can be inspected to accommodate various workflows

Standard LEXT OLS5100 Models

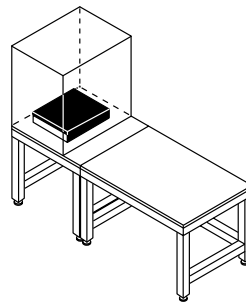
Compatible with standard LEXT models, including the EAF, SAF, and SPF, the stand for standard LEXT OLS5100 models enables reliable inspection of samples, including silicon wafers, PCBs, and other electronics.

Active Antivibration Unit Integrated in the Stand

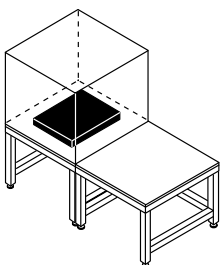


- Ideal solution for inspections that require high magnification
- Compact solution that saves space
- The compact setup makes it easier to use

Active Antivibration as an Add On



- Economic solution
- User has the option to buy the stand separately if high-magnification applications are not required



LEXT OLS5100 Customized TM Model

The stand for the LEXT OLS5100 CUS TM provides a sturdy and stable base for the microscope that enables accurate inspection of large or heavy samples such as large electronics or automobile parts.

Article code	Material name	Type	Dimensions in mm
E0437207	CUS-LEXT-EAF-WS-i4-400x500	Stable stand for OLS5100 SAF, EAF, SMF with integrated active antivibration system	800 × 800 × 760
E0438521	CUS-LEXT-EAF-T-NP Box	Stable stand for OLS5100 SAF, EAF, SMF	800 × 800 × 760
E0437208	CUS-LEXT-TM-T-NP Box	Stable workstation for CUS TM with screws for EV box	1000 × 1050 × 760
E0437209	CUS-LEXT-MT	Monitor table common for standard and CUS microscope	1200 × 800 × 760

Active Antivibration Desktop Units

Enhanced Stability for Individual Inspection Needs

Active antivibration desktop units negate external vibration from a range of sources, providing optimal stability for high-resolution measurements.

- Antivibration units have an active bandwidth of 0.6–200 Hz
- Devices have an isolation performance minimum of 25 dB at 5 Hz or 40 dB at >10 Hz, providing excellent microscope stability
- Units are compact and are designed to either fit on a desktop with a LEXT microscope or integrate into our high-stability stands

Active Antivibration Desktop Unit for Standard LEXT Systems

- Available as a separate unit or an integrated solution with the stand for the standard LEXT system
- Load capacity of up to 120 kg (264.6 lb)

Active Antivibration Desktop Unit for Customized TM

- Has a load capacity of up to 150 kg (330.7 lb), enabling precise inspection of large and heavy samples such as automobile parts
- Available as a standalone unit or an integrated solution with the stand for the CUS TM



Small active antivibration unit for standard LEXT systems



Large active antivibration unit for OLS5100 CUS TM

Article code	Material name	Type	Dimensions in mm
E0438521	AC-AVT-I4 antiv. table; small	AV table small for OLS5100 SAF,EAF,SMF	400 × 500 × 90
E0438566	AC-AVT-I4 antiv. table, large	Active antivibration unit for OLS5100 CUS TM	550 × 700 × 92

Environmental Control Boxes

An Intelligent Solution for Cleanroom Inspection

When conducting nm scale measurements with the LEXT system, even minor movements such as nearby talking or walking can affect measurement accuracy.

Microscope shielding with LEXT environmental control boxes not only minimizes the effect of external vibrations, but provides an added layer of protection from dust and other debris during cleanroom inspection.

- Microscope shielding maximizes measurement accuracy
- Can be fixed directly to the dedicated workstation for maximum stability
- An elegant and minimalistic design

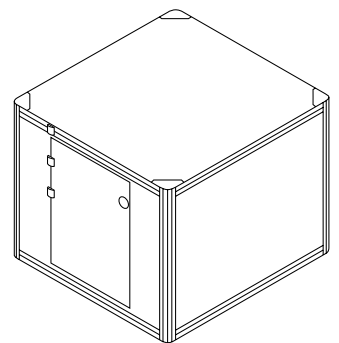


Environmental Control Box for Standard LEXT OLS5100 Models

- Designed specifically for use with standard LEXT OLS5100 models, including the EAF, SAF, and SPF
- 2 large windows provide easy access to all parts of the LEXT system with room for addition or removal of height blocks
- Provides efficient shielding of samples for cleanroom inspection of electronics such as PCBs and silicon wafers

Environmental Control Box for the LEXT OLS5100 Customized TM

- Specifically designed for the LEXT CUS TM
- A large front window simplifies sample placement and enables easy manual Z drive adjustment
- Extends the benefits of microscope shielding to larger or heavier samples such as automotive parts



Article code	Material name	Type	Dimensions in mm
E0437205	CUS-LEXT-EAF-NP BOX	Environmental control box for OLS5100 SAF,EAF,SMF	850 × 600 × 810
E0437206	CUS-TM-NP BOX	Environmental control box	1050 × 1000 × 860

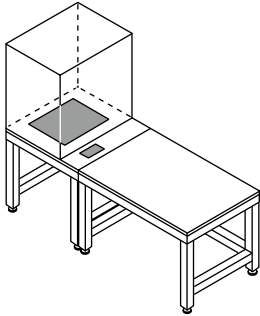
Workstation Configurations

LEXT Workstation

Standard LEXT System

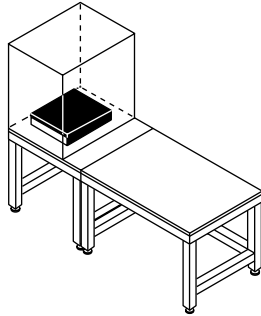
Customized TM

Integrated AV Stand



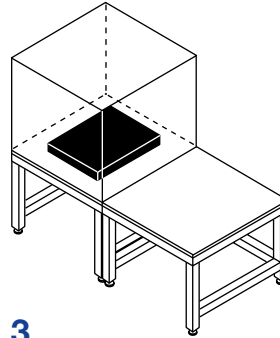
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AV on Top of the Stand



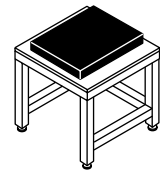
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High-Stability Stand with EV Box



3

High-Stability Stand



4

	Article code	Material name	Type	Dimensions in mm
1	E0437205	CUS-LEXT-EAF-NP BOX	Environmental control box for OLS5100 SAF,EAF,SMF	850 × 600 × 810
	E0437207	CUS-LEXT-EAF-WS-i4-400×500	Workstation with integrated active antivibration system & drill pattern for environmental control box	800 × 800 × 760
	E0437209	CUS-LEXT-MT	Table for monitors	1200 × 800 × 760
2	E0437205	CUS-LEXT-EAF-NP BOX	Environmental control box for OLS5100 SAF,EAF,SMF	850 × 600 × 810
	E0437261	CUS-LEXT-EAF-T-NP Box	CUS-LEXT-EAF- Table for EV control box	800 × 800 × 760
	E0438521	AC-AVT-i4	AV table small for CUS EAF	400 × 500 × 90
	E0437209	CUS-LEXT-MT	Table for monitors	1200 × 800 × 760
3	E0437206	CUS-TM-NP BOX	EV control box	1050 × 1000 × 860
	E0437208	CUS-LEXT-TM-T-NP Box	Stable workstation with screws for NP box	1000 × 1050 × 760
	E0438566	AC-AVT-i4 antiv. table, large	Active antivibration unit	550 × 700 × 92
	E0437209	CUS-LEXT-MT	Table for monitors	1200 × 800 × 760
4	E0433874	AC-ST-i4	AV stand	1000 × 1050 × 760
	E0438566	AC-AVT-i4 antiv. table, large	Active antivibration unit	550 × 700 × 92
	E0437209	CUS-LEXT-MT	Table for monitors	1200 × 800 × 760

