

Customized Microscopes

Large, Stable Stands for Large Sample Inspection



Customized LEXT™ OLS5100 Microscopes and Stands

Superior Stability for Large Sample Inspection

Discover our range of high-stability, customized microscopes and stands to benefit from all of the advanced features of the LEXT OLS5100 system while achieving the optimal measurement precision for inspection of large samples.

OLS5100 Customized TM Laser Scanning Microscope

Nanometer-Scale Measurement Precision from Large Samples

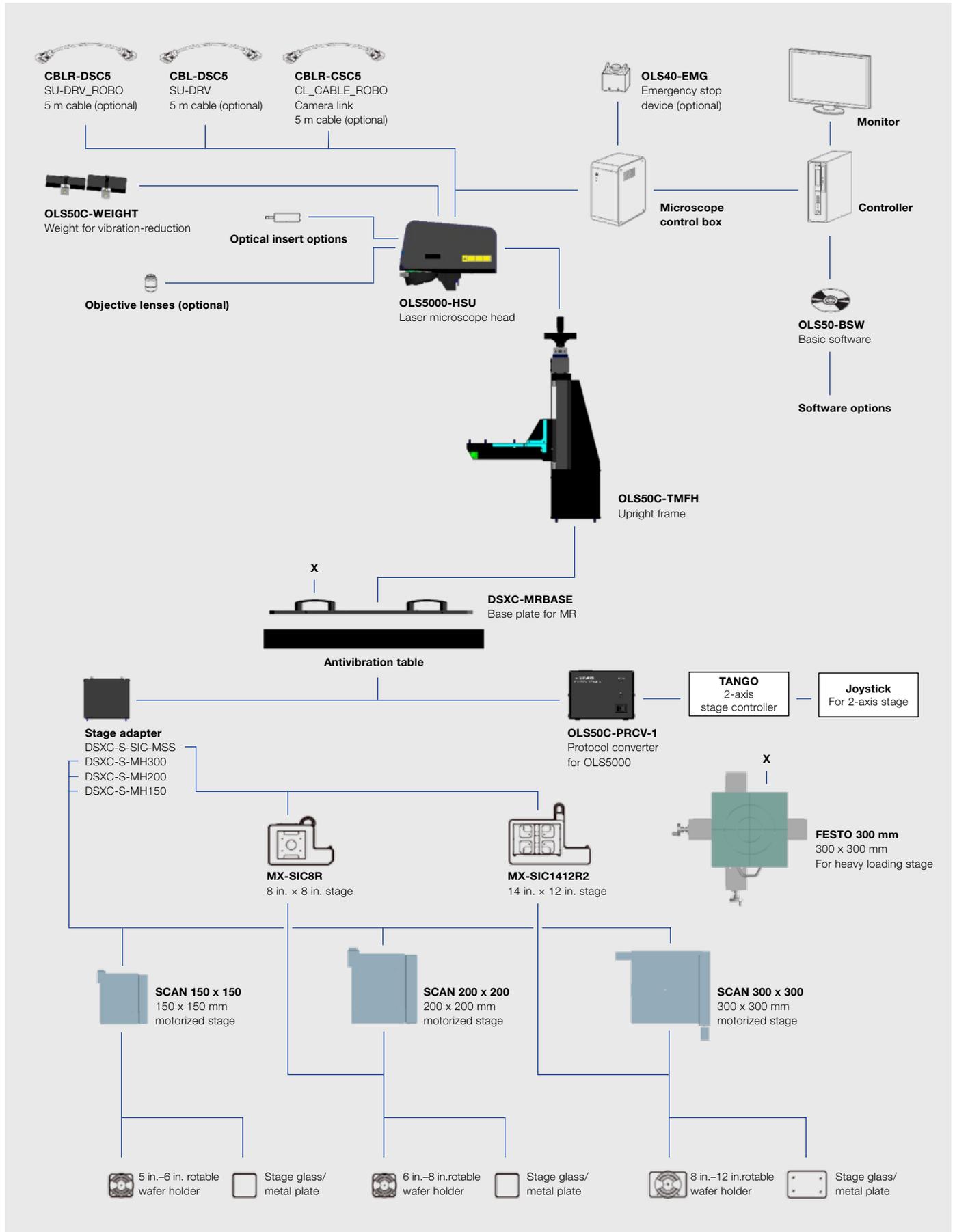
For nm scale inspection of large samples, including PCBs, silicon wafers, and heavy automotive parts, the LEXT OLS5100 CUS TM has multiple innovative design features:



- Stages with a high load capacity of 30 kg (66 lb)
- Manual Z adjustment for easy measurement of samples with different heights
- Motorized stages of 150 × 150 mm, 200 × 200 mm, or 300 × 300 mm for large and heavy samples
- The preferred solution for inspection of 8–12-inch wafers and PCBs

Ready for Nanometer-Scale Observation of Large Samples— OLS5000-TM

System Diagram



Customized TM 200 mm Stage Configurations

	Article code	Material name	Type
Required Items Available as kit E0432466 CUS-OLS5100-TM-200mm-KIT	N9049918	OLS50C-TMBASE CUS LEXT base	Frame
	N9049917	OLS50C-TMFH CUS LEXT stand	Frame
	N9049919	OLS50C-WEIGHT CUS LEXT weight	Frame
	N9049662	OLS50C-PRCV-1	Protocol converter
	N9049318	DSXC-S-MH200 adapter	200 mm stage
	E0438244	M-MS-MX61-4-2 motorized stage	200 mm stage
	E0438472	M-CU-DT-2 control unit desktop	Control unit
	E0433870	M-CBL200AP-2	Motor cable
	E0438481	M-HID-JS-2	Joystick
	N6378100	OLS5100-HSU	Scanning unit
	N2662700	U-D6REMC	Revolver
	N5686700	MPLFLN10x LEXT	Objective
	N5677800	OLS50-GRAB	
	E9701471	HW-WORKSTATION-HP-Z2G4-OLS5000	PC
	N6378400	OLS51-BSW: Basic software	SW
	N5678400	OLS50-S-MSP: Motorized stage package	SW
	35425	UYCP	Power cord
	E9701653	HW-TFT-24-HP-Z24N-G3	Monitor
Recommended accessories for microscope stability	E0438566	AC-AVT-I4 antiv. table, large	Active antivibration unit
	E0433874	AC-ST-i4	Stable stand
Wafer holders	E0437210	CUS-POR-VAC-INS	Porous vacuum chuck insert
	E0433651 + E0433896	CUS-VAC-Wafer-Holder + M-AD-WHPR-246x246-asap. Plate	Stage insert + Adapter plate for 200 stage
Workstation with environmental control box	E0437206	CUS-TM-NP BOX	Environmental control box
	E0437208	CUS-LEXT-TM-T-NP Box	Stable stand with drill pattern for environmental control box; active antivibration unit E0438566 needs to be ordered separately
	E0437209	CUS-LEXT-MT	Monitor table

Customized TM 300 mm Stage Configurations

	Article code	Material name	Type	
Required Items Available as kit E0432467 CUS-OLS5100-TM-300mm-KIT	N9049918	OLS50C-TMBASE CUS LEXT base	Frame	
	N9049917	OLS50C-TMFH CUS LEXT stand	Frame	
	N9049919	OLS50C-WEIGHT CUS LEXT weight	Frame	
	N9049662	OLS50C-PRCV-1	Protocol converter	
	N9049317	DSXC-S-MH300 adapter	300 mm stage	
	E0433706	M-MS-CUS-300x300-4 motorized stage	300 mm stage	
	E0438472	M-CU-DT-2 control unit desktop	Control unit	
	E0433870	M-CBL200AP-2	Motor cable	
	E0438481	M-HID-JS-2	Joystick	
	N6378100	OLS5100-HSU	Scanning unit	
	N2662700	U-D6REMC	Revolver	
	N5686700	MPLFLN10x LEXT	Objective	
	N5677800	OLS50-GRAB		
	E9701471	HW-WORKSTATION-HP-Z2G4-OLS5000	PC	
	N6378400	OLS51-BSW: Basic software	SW	
	N5678400	OLS50-S-MSP: Motorized stage package	SW	
	35425	UYCP	Power cord	
	E9701653	HW-TFT-24-HP-Z24N-G3	Monitor	
	Recommended accessories for microscope stability	E0438566	AC-AVT-I4 antiv. table, large	Active antivibration unit
		E0433874	AC-ST-i4	Stable stand
Vacuum wafer holders for 4, 6 ,8, and 12 in. wafers	E0433651	CUS-VAC-Wafer-Holder	Stage insert	
Workstation with environmental control box	E0437206	CUS-TM-NP BOX	Environmental control box	
	E0437208	CUS-LEXT-TM-T-NP Box	Stable stand with drill pattern for environmental control box, active antivibration unit E0438566 needs to be ordered separately	
	E0437209	CUS-LEXT-MT	Monitor table	

