



Leica XL Universal Base

Maximum space for maximum power

With the new XL Universal Base you can view even the largest specimens at high magnifications.

Living up to Life

Leica
MICROSYSTEMS



The space you need for your work

REQUIREMENT

Large industrial specimens such as printed circuit boards, 300 mm wafers or cylinders are too bulky to be viewed with conventional incident-light bases without preparation. Swinging-arm stands also meet their limits quickly in spite of the large swivelling range. High-performance stereomicroscopes like the Leica M205 A can reach a total magnification of 160× with a standard configuration (1.0× PlanApo, 10× eyepieces). This power allows you to view even the smallest structures, but on the other hand it places great demands on the mechanical stability.

SOLUTION

Leica Microsystems has closed this gap with the Leica XL Universal Base. Even with comprehensive equipment the image in the eyepiece or the digital camera remains steady while you view a large PC board under the microscope.

The Leica XL Universal Base has been specially developed for the 45° interface of the new Leica M205 A, M205 C, M165 C and M125 stereomicroscopes. The XL extension transfers all encoded information and control commands for the motorized functions, such as zoom and iris diaphragm. You can control all motorized functions with the SmartTouch™ control panel or the Leica Application Suite (LAS).

The optional XL gliding stage adds another dimension to the ease of use. Once the specimen is positioned on the stage, you can move it and view it over an area of 300×300 mm. This corresponds to the area of a complete 300 mm wafer!



Leica M205 A with trinocular ErgoTube®, Leica DFC camera, XL Universal Base, XL extension, motorized focus, Leica LED5000 MCI™ illumination and SmartTouch™ hand control

Universal Base XL

- Increases stability
- Reduces vibrations
- 2 ground sockets to prevent electrostatic charges
- Fixed 90° inspection
- XL extension supports encoding and motorization of the high-performance instrument
- Mechanical adaptation of the LED5000 MCI™ to the XL extension

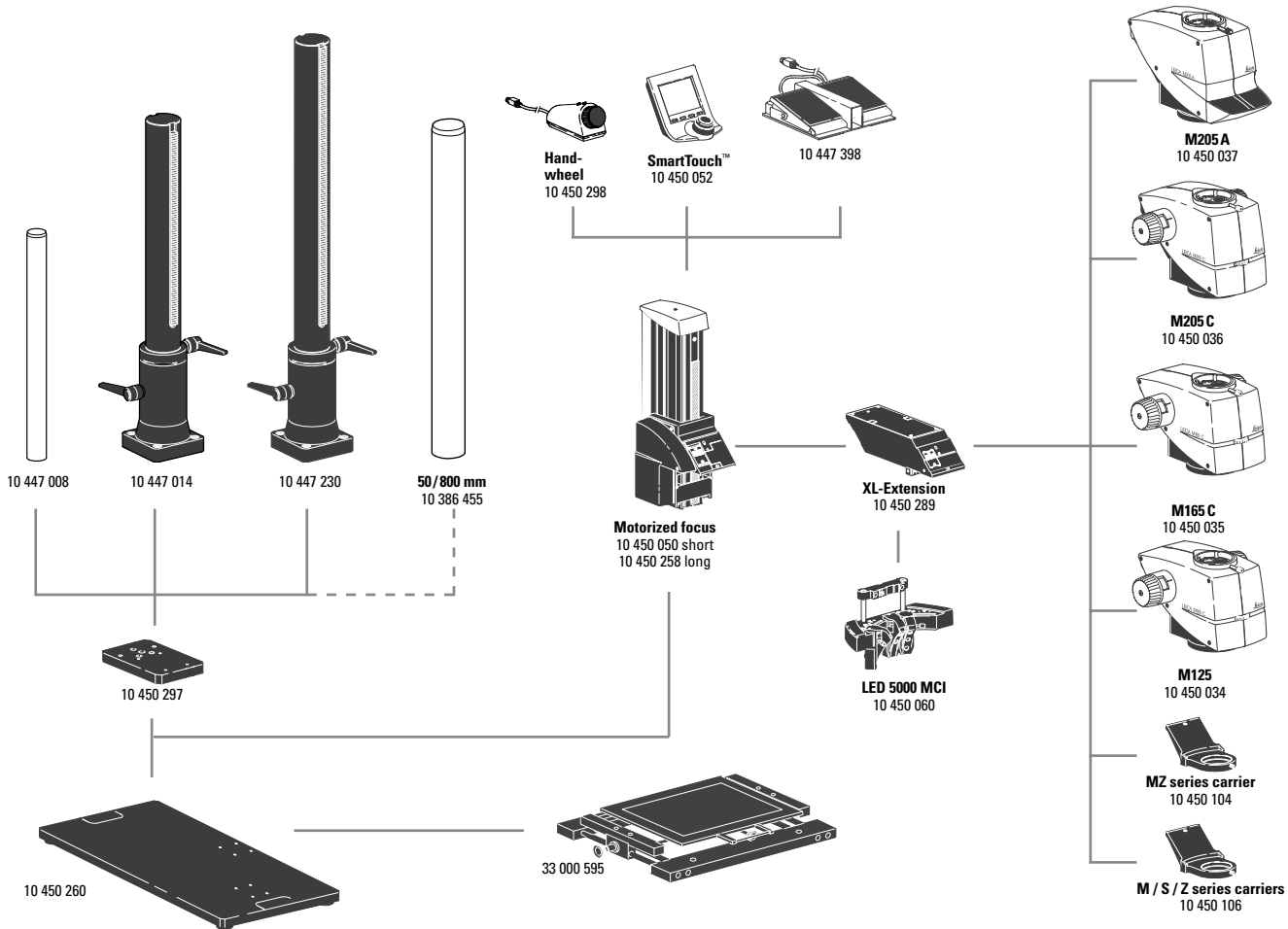
XL gliding stage

- 300×300 mm traverse path
- Fine adjustment in X/Y position
- Fast adjustment in X/Y position
- ESD safety mat included (with push-button for ground connection; not including cable)
- Version with glass plate available upon request

Advantages of the overall solution

- View very large objects without repositioning
- Precise adjustment of the X/Y position with fine adjustment
- Large objects can be viewed without preparation
- Very simple and convenient operation by integration into the complete system (e.g. encoding, LED5000 illumination)
- Fatigue-free working with a motorized focus column (e.g. with foot switch, handwheel or SmartTouch™)

Leica Microsystems – the brand for outstanding products



- 10 450 034 Leica M125, 12.5:1 zoom system, apochromatic
- 10 450 035 Leica M165 C, 16.5:1 zoom system, apochromatic, encoded
- 10 450 036 Leica M205 C, 20.5:1 zoom system, apochromatic, encoded, with FusionOptics™
- 10 450 037 Leica M205 A, 20.5:1 zoom system, apochromatic, motorized, with FusionOptics™
- 10 450 050 Motorized focus with side-faced column 420 mm
- 10 450 258 Motorized focus with side-faced column 620 mm
- 10 450 104 Microscope carrier for MZ series optics carriers
- 10 450 106 Microscope carrier for optics carrier of the M / S / Z series
- 10 450 260 XL universal plate for specimens up to 370 × 400 mm
- 33 000 595 XL gliding stage for specimens up to 300 × 300 mm
- 10 450 297 Adapter for universal base 10 450 260 for all swingarm columns
- 10 450 289 XL extension – for positioning Leica stereomicroscopes on the universal base 10 450 260

- 10 447 008 Vertical column 470/35 mm
- 10 447 014 Vertical column 560/57 mm
- 10 447 230 Vertical column 800/57 mm
- 10 386 455 Vertical column 800/50 mm, only available as spare part
- 10 450 052 SmartTouch™, external control unit with integr. touchscreen for status control and control of all settings and functions
- 10 450 298 Manual controller for motorized focus
- 10 450 398 Foot control for motorized focus and TL RCI™ transmitted-light base