MVR Microscope Platform

Lowering Barriers to Automated Microscopy

The MVR Microscope Platform is an enabling technology for next generation microscopy applications. Utilising Zaber Technologies' exceptional motion control solutions and a highly accessible design, the MVR allows users to configure, implement, and control their microscope freely.

Applications such as high-resolution fluorescence imaging to high-throughput screening are all accessible. The MVR gives users a basis to build to the needs of the application with exceptional cost viability.

Excellent Imaging Results

Capture clear, detailed and high contrast epifluorescence and brightfield images with a highly light-efficient optical path built around industry-standard Zeiss or Nikon optics.

Save Money

Low up-front cost delivers exceptional value and open architecture frees you from hidden long-term costs of expensive proprietary consumables and mandatory software licenses.

Save Space

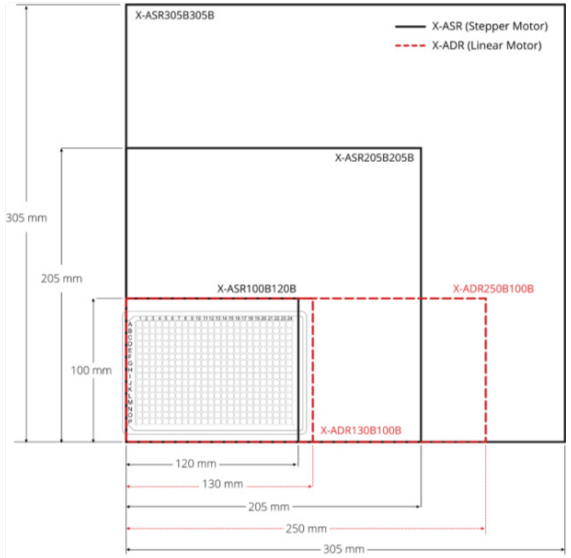
Compact footprint saves valuable bench and incubator space.

Extreme Versatility

Open and modular design is easily integrated into larger instruments or adapted to meet your changing needs by adding a transmission illuminator, confocal module, or swapping cameras or light engines.

Save Time

Maximise your throughput with automated multi-channel image acquisition to quickly and accurately scan up to six microplates at once.



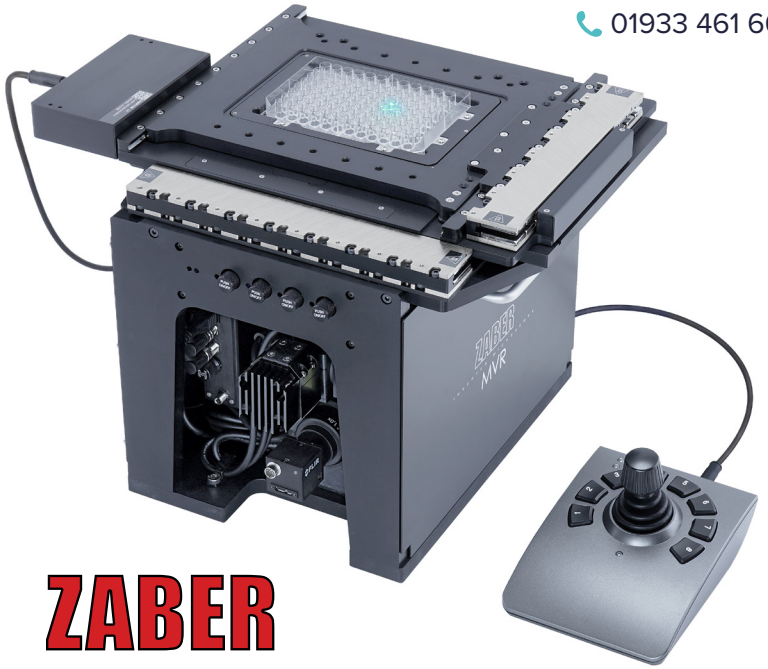
XY stage selection is guided by customer requirements for travel, speed, extended operations, and high speed. This is commonly driven by the number of slides or microplates being scanned.

Peace of mind

Industrial reliability backed by Zaber's unrivaled commitment to customer service ensures maximum uptime for years to come.

LASER 2000

photonics.laser2000.co.uk
sales@laser2000.co.uk
01933 461 666



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Specifications	
Microscope configuration	Inverted or upright
Stage travel range	Up to 305 x 305 mm (up to 2x3 96 well plates)
Stage travel speed	Up to 750 mm/second
Z-focus	Up to 25 mm travel, motorised
Z-focus resolution	20 nm minimum step size
Field number	FN 20
Filter cube switcher	Six position, motorised
Filter cube switching speed	~350 ms switch to adjacent cube
Reflective illumination source	Configurable / open platform
Transmissive illumination source	Optional and configurable
Camera	Configurable / open platform- C-mount compatible