



Scientific Instruments

Peira ArguScope

The ArguScope is a flexible and fully automated imaging system for macroscopic image recording. In combination with the imaging analysis solutions of DCILABS, this powerful instrument enhances the throughput and accuracy of a variety of "macroscopic imaging assays" in diverse application domains such as drug discovery R&D and material sciences.

Whereas an automated microscope is an instrument used for imaging of very small objects, the ArguScope is intended for imaging of larger samples. The typical magnifications used by microscopes lie in the range of 4x to 100x, the magnifications used by the ArguScope are 0.75x up to 4x, thus within the range of macroscopic imaging.

Another major difference with microscopy is the illumination. Most microscopic samples are imaged in transmitted bright field mode; the ArguScope uses dark field illumination and opaque samples: the light emitted from a source above the sample is scattered on the surface of the sample. The light that is "bounced back" on the camera is used to create the image.



TECHNICAL DATA

Dimensions (LxWxH):	784 x 654 x 1002
Weight:	120 kg
Power:	600 W
Volts:	220V 50 – 60 Hz
Max Travel Speed:	180 mm/s
CE:	The ArguScope fully complies with all CE and EMC equipment guidelines relative to mechanical and electrical safety and electromagnetic compatibility.