

ASH2



ASH2 shown mounted on
PowerTome ultramicrotome stage and
optional Diatome Ultra Jumbo Diamond Knife

For Fast, Reliable Serial Section Collection For 3D Tomography

- Holds substrates of various materials and sizes for ultrathin section collection
- 3-axes of movement allows for precise alignment of the substrate
- Ideal for the collection of hundreds of sections per substrate
- Can be used with standard room temperature diamond knives or jumbo knives
- Compatible with all current RMC and Leica ultramicrotomes
- Used to efficiently collect and align ribbons of serial sections

Advanced 3D reconstruction and tomography are growing in use in today's EM world. For small volumes, where tens to hundreds of sections are required, the Advanced Substrate Holder (ASH2) is favored for ease of use and speed.

The ASH2 is a multi-axis manipulation tool designed to precisely position substrates for the collection of ribbons of serial sections for array tomography. Standard room temperature knives and jumbo diamond knives for larger substrates can be used. Collected sections are subsequently imaged in the SEM or LM.

The ASH2 quickly mounts onto any current ultramicrotome, instantly converting it into an instrument capable of sectioning and collecting hundreds of sections. This newly designed Advanced Substrate Holder (ASH2) weighs less than 0.5kg and can be mounted directly onto modern ultramicrotomes without modification or the use of additional fixtures.

For larger volume work, please see our ATUMtome system, which is capable of effortlessly collecting thousands of sections.

SIZE

Dimensions: 66mm x 74mm x 53mm / 2.5" x 3" x 2"
Net weight: 0.5kg / 1 lb

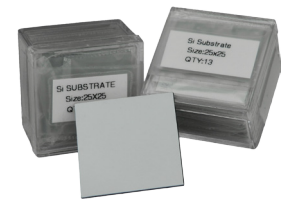
INCLUDES

Advanced Substrate Holder

- Substrate clamp, mounting screws
- Substrate clamp loading station
- Water filling and removal system
- Si Substrate - 25mm x 25mm, 26 pieces
- Si Substrate - 10mm x 25mm, 26 pieces
- ITO coverslip - 25mm x 25mm, 26 pieces

OPTIONAL ACCESSORIES AVAILABLE FOR PURCHASE

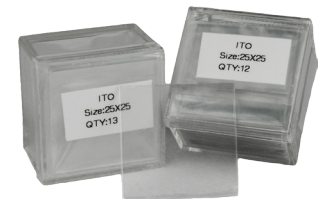
- Diatome Ultra Jumbo Diamond Knife, 3mm, 35°
- Diatome Ultra Jumbo Diamond Knife, 3mm, 45°(for use with 25mm x 25mm substrates)
- Diatome Ultra Maxi Diamond Knife, 4mm, 35°
- Diatome Ultra Maxi Diamond Knife, 4mm, 45°(for use with 10mm x 25mm substrates)
- Diatome Ultra Diamond Knives (for use with 10mm x 25mm substrates)
- Leica Ultramicrotome Adapter Mount & Clamp



Si Substrate, 25mm x 25mm (25 pcs.)



Si Substrate 10mm x 25mm (25 pcs.)



ITO Coverslip 25mm x 25mm (25 pcs.)



Image of ASH2 mounted on PowerTome stage, with Water Fill System and 25mm x 25mm silicone substrate in Optional Diatome Ultra Jumbo Diamond Knife



Accessory Kit, shown with optional Leica Ultramicrotome Adapter Clamp, and optional Diatome Ultra Jumbo Diamond Knife