

# ASH2



## 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.

**SPECIFICATIONS**

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

**SHIPPING LIST**

**PART #**

**DESCRIPTION**

**ASH2**

**ADVANCED SUBSTRATE HOLDER**

Includes: substrate clamp, mounting screws,  
Substrate clamp loading station  
Water filling and removal system

- 73324
- 73327

**73328**

**ACCESSORY KIT**

Si Substrate - 25mm x 25mm, 25 pieces  
Si Substrate - 10mm x 25mm, 25 pieces  
ITO coverslip - 25mm x 25mm, 25 pieces  
Custom Fit Storage Case

- 73329
- 73330
- 73331
- 73332

**SHIPPING SPECIFICATIONS**

- Dimensions: 355mm x 355mm x 150mm / 14" x 14" x 6"
- Gross weight: 2.3kg / 5 lbs

**OPTIONAL ACCESSORIES**

- 50860 Diatome UltraJumbo Diamond Knife (for 25mm x 25mm substrates)
- 50861 Diatome UltraMaxi Diamond Knife (for 10mm x 25mm substrates)
- 50851 Diatome Ultra Diamond Knife (for 10mm x 25mm substrates)
- ASH2L Leica Adapter Kit, Mount & Clamp



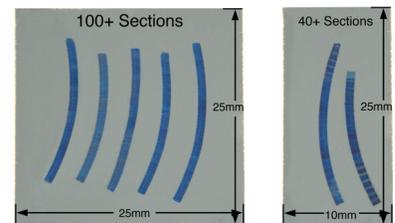
73329 - Si SUBSTRATE, 25MM X 25MM (25 PCS.)



73330 - Si SUBSTRATE 10MM X 25MM (25 PCS.)



73331 - ITO COVERSIP 25MM X 25MM (25 PCS.)



SUBSTRATES WITH COLLECTED SECTIONS



73327 - WATER FILL SYSTEM



73328 - ACCESSORY KIT (OPTIONAL ACCESSORIES SHOWN)