EBSD Polishing and Storage Kit

The Model EBSD-150
EBSD Polishing and Storage

The EBSD Specimen Polishing Kit is based on the South Bay Technology Model 150 micrometer controlled lapping fixture. Two mounting blocks are included to hold a 1/8” pin SEM mount for plan view preparation or SBT Tripod Polisher® SEM mount for XSEM preparation. The stubs are secured into the block with a set screw prior to loading into the lapping fixture. The kit includes an SBT SampleSaver™ storage container and two tier locking rack, and pin adapters for holding the 150 mounts. A pre-tilt EBSD specimen stage is included with three height segments. The low profile mount fits most SEM load locks and can be stored in the SampleSaver™ without removing from the pre-tilt holder.

**Special Features**

- A relatively simple and inexpensive method for mechanically polishing and mounting EBSD specimens on an SEM stub allowing quick transfer without dismounting a prepared sample
- Pre-Tilt EBSD specimen stage keeps sample at a fixed angle of 70° or the complementary angle of 20° in the chamber
- The process utilizes conventional, easily available, precision abrasives and is compatible with other SBT sample preparation equipment and consumables
- The SBT Model 150 Lapping Fixture can be utilized for other routine parallel and angled polishing processes without modification. Up to 1.25” dia. mounting blocks are available
- A low force Model 150L lapping fixture is available as an option.
- Complete process recipes, consumable supplies, and other accessories available from SBT including hand lapping tray, lapping and polishing machines, hot plate/cooling tray and sample mounting devices
- Process is compatible with ion polishing using the SBT KDC-10 Broad Beam Ion Source in the IBS/e system

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EBSD-150 kit includes: Pre-tilt EBSD stage, 3 height segments, 2 mounting blocks for SEM stubs, 10 SEM stubs, 2 Tripod SEM stubs, 150 lap fixture, SS2FIB-12 SampleSaver™ container with two tier rack, 2 stems for holding mounting blocks in SS rack