

EBSD Polishing and Storage Kit



Two SEM pin mount stubs can be mounted into a modified specimen mount to fit an SBT model 150 micrometer controlled lapping fixture for polishing. The specimen remains attached to the stub during polishing and can be transferred directly to the SEM or stored and transported in the SampleSaver™ storage container.



Pre-Tilt EBSD specimen stage with multiple height adjustment segments. Samples are kept at fixed 70° or 20° for EBSD analysis. The stage can be stored with a specimen in the SampleSaver™ storage container.

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

EBSD-150 Polishing and Storage Kit



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

