

HST-467 Carbon Black Dispersion Testing Machine



Picture Just for reference

Product Overview:

The carbon black dispersion tester is a test instrument for the dispersion of pigments or carbon black in polyolefin pipes, fittings and mixed materials. The instrument is adapted based on software and corresponding microscopes. By measuring the size, morphology, and dispersion of carbon black particles, the intrinsic connection between these parameters and macroscopic performance indicators such as mechanical properties, antistatic properties, and hygroscopic properties can be established. This will have a positive impact on the quality assurance, production process, and new product development of plastic materials, and at the same time promote the rapid improvement of the technical level of enterprises and industries.

Instrument Introduction:

This instrument adopts an advanced infinity optical system, with clear imaging and simple operation. The modular design makes the instrument easy and quick to operate. This product is equipped with a pair of 10x wide field eyepieces and infinity long working distance objective lenses 4X 10X 40X 100X (optional) to meet customers' observation needs at different magnifications. It uses a 1/1.8-inch 6-megapixel high-definition camera with a pixel size of $2.4\ \mu\text{m} \times 2.4\ \mu\text{m}$, a resolution of 3072×2048 , high-definition and high dynamics. It can quickly and real-time transfer the image under the instrument to the computer for software analysis and judgment, with high precision, clear imaging, good results, and accurate analysis.

Software introduction:

The analysis software meets the detection of products such as polyolefin pipes, fittings and mixed materials.

The software meets national industry standards such as GB/T18553-2002, GB/T 18251-2019, ISO 18553-2002, and can successfully complete the test needs under different customer needs. It also supports the addition and integration of some special standards of customers, and no additional fees are charged for the later standard updates of the software. (Upgrade requires the digital number on the software key. If the key is lost or the software is pirated or not provided by our company, you are not eligible for the free upgrade service provided by our company.)

