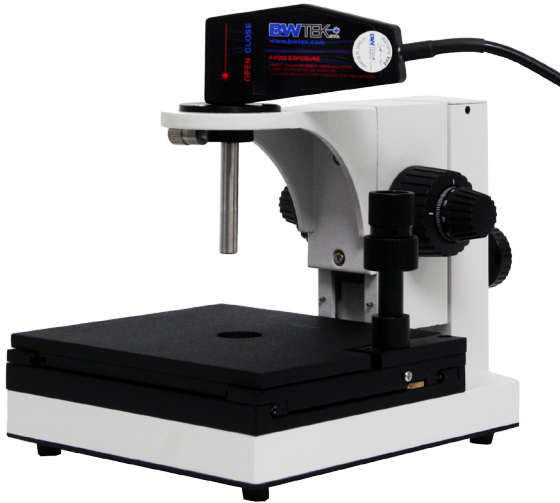


*Raman Accessory* **BAC150B**

The BAC150B is a Raman sampling accessory that serves as a holder for B&W Tek's fiber Raman probe.

The BAC150B has XYZ axis adjustment; the Z axis is vertical and is used to focus the laser to ensure the best Raman excitation and collection ability. The X/Y adjustment is achieved through two layers of a mechanical stage, which is also the working plate for samples. By adjusting the X/Y stage, you can obtain Raman spectra from anywhere on the sample.

The BAC150B is versatile for a variety of samples, allowing for the measurement of both very small samples and those weighing a few kilograms.

The BAC150B is ideal for applications which require a stable and fixed sample location with precise focus adjustment. It provides the capacity to optimize the focus through coarse and fine Z-axis adjustment.

**Features:**

- XY Axis Positioning Adjustment for Samples
- Coarse and Fine Z Axis Adjustment for Optimal Focus
- Compatible with B&W Tek Raman Systems

**Specifications:**

Dimensions:	7.1in x 10.4in x 9.8in (180mm x 265mm x 250mm)
Weight:	8.81 lbs (4 kg)
Travel in Z Direction	90mm (max)
Resolution in Z Direction	5 $\mu$ m
XY Stage	Double Layer Mechanical Stage
XY Stage Size	180mm x 150mm (X x Y)
Travel in X/Y Direction	16mm (+/- 8mm from the center)
Resolution in X/Y	10 $\mu$ m

**Applications:**

- Forensic Analysis
- Art and Archaeology
- Materials Science, Polymer Science
- Semiconductors and Carbon Nanotubes
- Chemical Analysis of Solids, Powders, Films
- Medical Diagnostics and Bioscience