



The Praying Mantis™ was the first generally available diffuse reflection attachment and remains the forerunner in the field. It incorporates two 6:1, 90° off-axis ellipsoids which form a highly efficient diffuse reflection illumination and collection system. This unique configuration deflects the specular reflectance away from the collecting ellipsoid, minimizing the associated spectral distortions. It also can be configured to study materials and reactions in controlled environments with the appropriate reaction chamber.

Applications

For easy and reliable diffuse reflection analysis of solids and powders.

Analysis of catalysts and other powders in a temperature and/or pressure controlled environment.

Features

Highly efficient collection system.

Minimizes the detection of the specular component.

Ellipsoids pivot to provide easy access to the sampling area.

Allows easy attachment of reaction chambers.

Several models offered for compatibility with a wide range of IR-UV-VIS spectrometers.

Harrick's exclusive PermaPurge™ allows rapid exchange with minimal interruption of the system purge.

Optional references for FTIR and UV-VIS studies.

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Includes

Cart with two mounted alignment mirrors.

Alignment post.

Sample cart.

Two sampling cups: 10mm adjustable height and 3mm adjustable microsampling.

Funnel.

Mating hardware for the specified spectr