

# Reflection Stage

The Single-Point Reflection Stage is a probe holder for reflection measurements of optical layers and other substrates up to 150 mm in diameter. The probe holder accommodates fiber optic probes and other sampling devices up to 6.35 mm in diameter, and slides up and down a stainless steel post for adjustment to heights as great as ~63.5 mm. The reflection stage has an anodized base plate that is scored in concentric circles of varying diameters, to act as a guide when positioning round samples. For a list of all of our probe holders.

Specifications	
Dimensions (base):	152.4 mm diameter
Dimensions (sample area):	101.6 mm diameter*
Weight:	620 g
Height:	Rail height adjustable to 63.5 mm
Materials:	Anodized aluminum plate, stainless steel post and post holder

\* Represents the area of scored concentric circles. You could use the entire base plate area, which is larger, for your sample.



# Reflection & Transmission Stage

The Stage-RTL-T is a novel sampling system for analysis of substrate materials such as silicon, metals, glass and plastics. The RTL-T couples to our spectrometers and light sources, and can be configured in a variety of setups for reflection and transmission measurements.

The Stage-RTL-T consists of a variable rail attached to a base plate, with three devices that attach to the rail with a thumbscrew. From bottom to top, these devices are a fiber holder with collimating lens; a sample holder for reflection or transmission; and a light trap to mitigate the effects of back reflection and ambient light. (Remove the light trap to access a second collimating lens.)

The STAGE-RTL-T is remarkably versatile: perform reflection measurements with the probe positioned above or below the sample (measuring from below maintains a constant distance between probe and sample); make reflection measurements with the light trap in place; or measure transmission of samples using two fibers. For a list of all probe holders.

Specifications	
Dimensions (base):	206.3 mm diameter
Dimensions (sample area):	152.4 mm diameter (sample holder)
Weight:	4.5 kg
Height:	Rail height adjustable to 400 mm
Materials:	Anodized aluminum

