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# TRI-SIDED SPECIMEN HOLDERS

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This unique innovative design feature maximises the available testing capacity, enables a faster throughput of testing, and importantly, allows a compact design for the instrument offering easier access to the chamber and lamp.

## WHAT IS THE TRI-SIDED SPECIMEN HOLDER?

Traditional light fastness machines have specimen holders which either constantly face the lamp (single sided), or face the lamp on alternate revolutions (two sided) - also known as 'flip-flop'.

The advantage of TruFade's multi-faceted specimen holder is that the instrument can be made much smaller than other instruments in the market without compromising the available testing area.

The 3-sided specimen holders are labelled A, B, C for easy sample tracking and to identify the particular location on the carousel.



## THE BENEFITS OF THE TRI-SIDED SPECIMEN HOLDERS

1. It maximises testing capacity (for this type of instrument)
2. Allows easy access to the chamber and lamp

### 1. MAXIMISES TESTING CAPACITY

The three sides available for mounting blue wools and test specimens offers a specimen capacity of 1640cm<sup>2</sup>.

This capacity enables the user to optimise the rate of testing as it increases the number of specimens that can be tested in a given time in comparison with instruments of a similar size.

Within the easily accessible carousel is space for 9 Tri-sided specimen holders when using Blue Wools. When using irradiance control, one of the holders will be replaced by the SolarSens radiometer. ( See Page 8).

For testing to US standards another position could be taken by the Black Standard Thermometer.

TruFade will hold either 7 or 8 or 9 tri-sided samples holders dependent upon how the test is set-up. This creates 21 or 24 faces with exposure to the lamp.



### 2. EASY ACCESS TO THE CHAMBER AND LAMP

As TruFade only needs nine specimen holder positions to achieve the 1640cm<sup>2</sup> capacity, it allowed our designers to make the carousel and testing chamber more compact and easily accessible to make loading the samples is relatively effortless.

The wide opening door presents no restrictions for the user as it ensure easy access to all stations at a height that is ergonomically ideal for most users.

The carousel can be turned manually or via the software.

The sample holders themselves are very easy to handle as they just drop onto a location on the carousel, not typical of all instruments of this type.



This is one of the major benefits of TruFade is that it makes the experience of loading the specimens very user friendly - the Solar Sens, Black Panel and specimens can be loaded in just a few seconds.