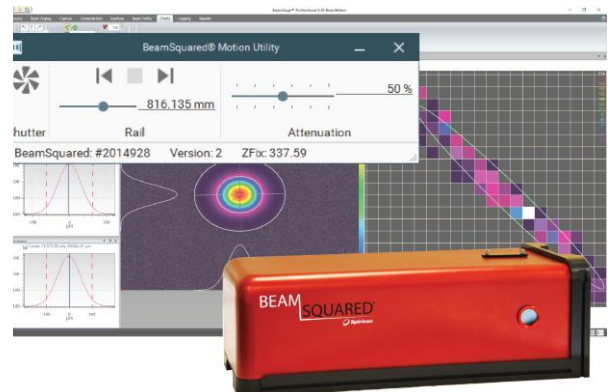


User Guide

# BEAMSQUARED® MOTION UTILITY QUICK START GUIDE



## I. OVERVIEW

The purpose of this document is to provide an overview of the BeamSquared® Motion Utility. It provides a description of the user interface.

## II. INTRODUCTION

The BeamSquared Motion Utility is designed to allow you to connect the BeamSquared® rail hardware while the camera is connected to BeamGage beam profiling software. This provides you with the ability to do additional beam profiling functions without the need for rearranging your test bench to switch between beam propagation measurements and regular beam profiling.

## III. USER INTERFACE

The BeamSquared Motion Utility features a user-friendly design that features the same Ribbon style layout found in other Ophir software applications.



Figure 1: BeamSquared Motion Utility.

### Title Bar

The topmost bar on the application. Each component is described below.

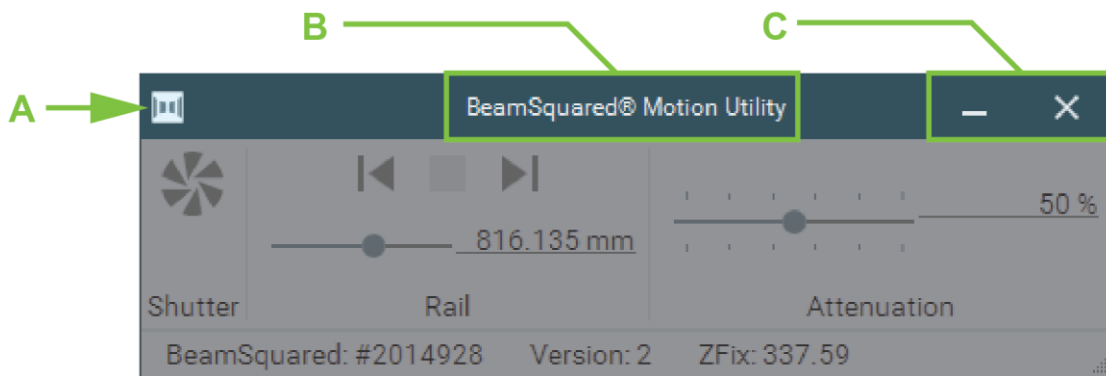


Figure 2: Title bar.

- A. **System Menu button**—Gives access to window controls.
- B. **Application Information**—Displays the application name.
- C. **Standard Windows Controls**—Minimize, Maximize and Close buttons.

### User Interface Panels

The table has a range of 800mm. The start point of the table varies slightly between BeamSquared units. The start point (“A” location) is set and calibrated at the factory as the Z Fixture value and cannot be changed.

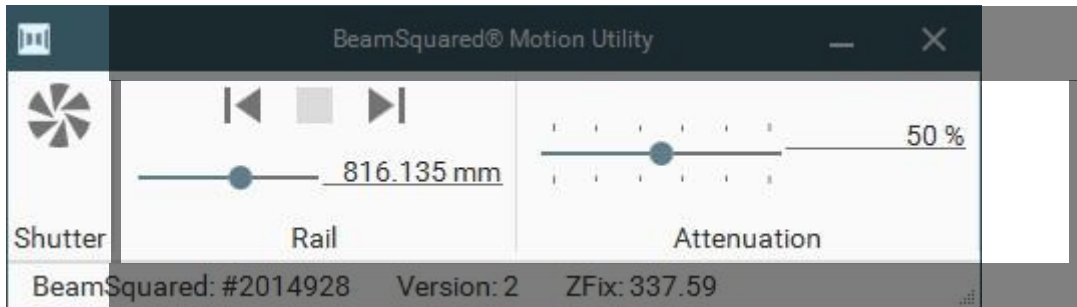


Figure 3: User interface panels.

### Shutter Panel

The shutter panel features a button that controls the shutter. Select the button to open and close the shutter. The icon changes to reflect the current state of the shutter.



Figure 4: Shutter closed.



Figure 5: Shutter open.

### Rail Panel

This panel allows you to control the location of the BeamSquared optical train.



Figure 6: Rail panel.

**Move to A** (left arrow) moves the table to the “A” location and **Move to B** (right arrow) moves the table to the “B” location (see Figure 7). While in motion, the stop button in the middle becomes active and can be used to stop the rail wherever it is during translation.

### NOTE

The “A” location is the shortest path attainable, while the “B” Position is the longest.

You can drag and drop the slider bar to move the table to any location along the path. You can also input specific table locations in increments of 15 microns (0.015mm).

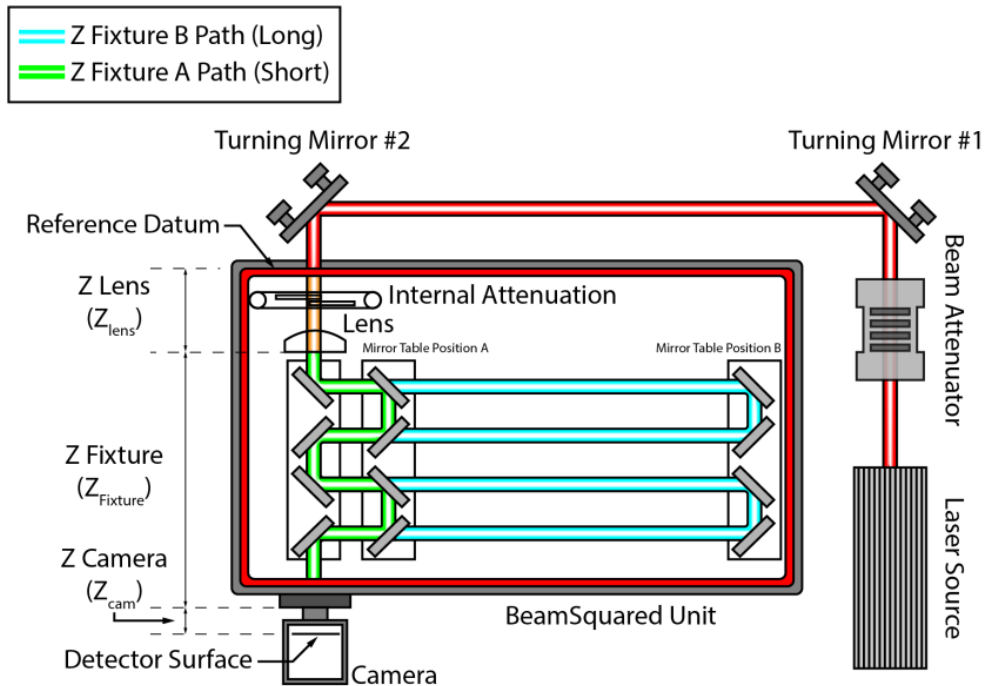


Figure 7: Beam path through the BeamSquared unit.

**Attenuator panel**

This panel controls the internal attenuation as a percentage of the total available attenuation. You can drag and drop the slider bar or enter a percentage value between 0 and 100%.

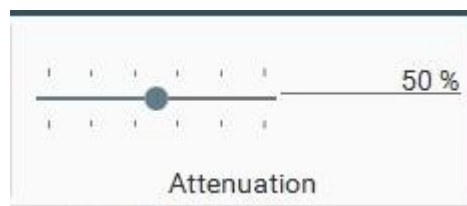


Figure 8: Attenuation panel.

**IV. SUPPORT**

For technical support, reach out to Ophir Customer service at [service.ophir.usa@mksinst.com](mailto:service.ophir.usa@mksinst.com).

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