

# Laser Tools for Precision Measuring and Mounting



*Laser measurement tools are for final offset and unit size measurements*



*Laser tool setup for measuring offsets*



*Laser tool for measuring from inside U-channel to opposite inside U-channel*

To ensure successful installation and operation it is imperative that measurements to determine offsets, plumb, bob and level are precise. This attention to detail will help prevent the products from being ordered incorrectly and guarantee that all motorized screen openings work and perform to their product specifications. Measuring begins from the start of the proposal process. If blueprints are not available a good amount of the structure to be screened will need to be at a stage where measurements can be taken.

Over the last few years advancements have been made in precision laser measuring devices that now make them more affordable and much easier to use than ever before. Of course using a standard level and a tape measure is perfectly acceptable, but in some cases costly errors can be eliminated and money saved by using a precision laser measuring device.

Most of these tools are relatively inexpensive and have measuring capabilities from 0.05 to 100m and accuracy levels of +/- 1.0mm. These tools not only save time in measuring but also help to ensure that the motorized screens ordered will fit the opening measured. Some of the benefits of using precision laser measuring tools are:

- » They simplify the process of measuring from the inside of one set of U-channels to the inside of the opposite set in the same opening
- » Their small size allows them to fit conveniently inside of the U-channel while the laser dot is projected into the opposite opening
- » They also allow measurements from the floor to the top of the cavity without ladders and the use of cumbersome tape measures

Laser devices also help simplify measuring the offsets that may exist in the floors when concrete pads are poured to slope away from the home for water runoff. Determining the offsets from left to right will allow the screen mesh to be ordered so that the angle of the slope is followed (see Section 5. Floors: Section 2. Floor Slopes). By setting the laser measurement device in the center of the opening and projecting the beams upwards and from side to side, will allow the exact measurements to be taken from the floor to the spotter beam to determine offset measurements and degrees of level.

A laser measure can also be mounted inside the cavity to help level the motor and idle brackets when attaching them to the inside walls of the cavity during installation.