

Ezy Taper Alignment Tuning

Caution: The Ezy Taper should premask, laminate, and mount with almost no spring tension at all. The springs are only there to even the pressure side to side.

1. Use an 8 ft. length by at least 2 ft. wide of **aluminum composite** or **styrene** - something that won't compress. **Coroplast won't work**. Check that it's square. Do **not** trust factory edges, as most of the time they're not square. (Measure the diagonals. If the measurement of each is the same, then it's square. If not, you will have to square it up.)
2. Once you're sure that it's square, feed the media between the Ezy Taper rollers. It must be supported by tables front and back, so that drooping doesn't affect the alignment.
3. Turn the handle until the media has moved up to the pinch point of the rollers.



4. Roll the media almost all the way through, until it's barely protruding from the back (the side you fed it from) of the Ezy Taper.
5. Use a short straight edge, in the case of the illustrations, a 6-inch steel ruler is being used. Span the arcs of the two rubber rollers. Make sure the media just touches the ruler.
6. Check both edges of the media, left and right, to ensure the ruler is just touching each. This will confirm that the substrate was square to the rollers in the beginning.
7. If the media isn't in squarely, back it out and try again to feed it into the pinch point evenly. Check again that it has fed all the way through squarely.



8. Now, run the media through the Ezy Taper, and from the front, check with your straight edge that it's even side to side. If the media has drifted, and you notice a gap on one side of the media when checking with the straight edge, then adjust the spring on the gap side to tighten the tension on the spring.



9. As you noticed in the photo on the right of the previous page, after running 8ft. of media through the Ezy Taper, there is a gap on the right side. Therefore, on this machine I would adjust the right side spring pressure by using the paddles on the nut of the right side spring tensioner. I would move the tensioner about 2 mm. (1/8") to tighten the spring. (Alternatively, if the spring tensioner is past parallel to the table top, then it might be best to loosen off on the tight side.) Once this is accomplished, run the test again, from the beginning.

10. Continue to run the test several more times, checking the alignment each time, and adjusting the tensioner, until you're sure that the rollers are at even pressure.

11. Once you've accomplished this, you're ready to roll with your Ezy Taper for probably the next 6 months, or until you notice a tracking problem. Checking the alignment regularly on a 6 month basis will keep you on track and save you a lot of frustration.

