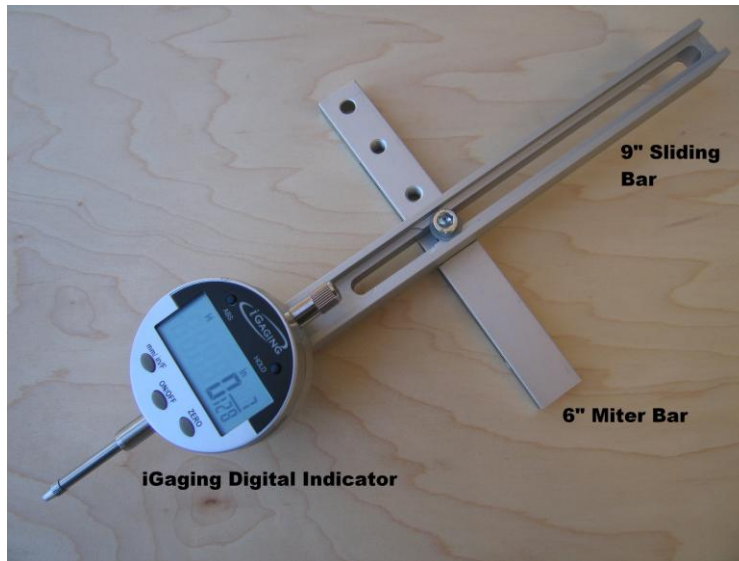


DigiAlign Instruction



® DigiAlign Setup & Alignment Tool for Table Saw and Other Machinery



Assembly

The **DigiAlign** kit includes a precision **iGaging** 0-1" digital indicator (with 1 extra battery), a 6"x3/4" miter bar, a 9"x3/4" sliding bar, 3 hex head cap screws (1 extra) and a hex wrench. Using the hex wrench, attach the sliding bar to top of the miter bar with one of the hex screws; then, mount the electronic indicator to end of the sliding bar with the other hex screw.

Using DigiAlign to Align Your Table Saw

A properly aligned table saw will not only reward you with a vast improvement in the quality of your cuts but will also help prevent serious injury. Perform the following procedures both when setting up a new saw and often thereafter. It only takes a few minutes. Before you start, make sure that your saw table surface is free of sawdust and that you unplugged the saw. The following procedures show how to measure, but not on how to correct an error. Your table saw manual is the resource needed to guide you in making adjustments to your saw.

 Unplug or disconnect power before performing any setup or alignment procedure 

Table Saw Alignment

To get straight and accurate cuts on a table saw; the blade, the miter slot and the fence must be parallel with each other. The saw table surface and miter slot are reference points from which measurements are based. Table saws with warped table surfaces or crooked miter slots cannot be aligned. These defects must be corrected before alignment can take place.

It is advisable to first check the runout of the arbor and the flatness of the blade. Fully raise the blade. Place the **DigiAlign** miter slot bar into the miter slot of the saw then, by adjusting the extension length of the sliding bar, place the digital indicator tip near the center of the blade and partly depress it. Push <zero> button on the digital indicator to set zero. Then, rotate the blade by hand using the arbor nut. Readings should be within +/- .005" range, or less. If not, you have significant wobble in the arbor. If the arbor is good, you can then check for flatness of the blade by placing the indicator tip near the edge of the blade, setting the digital indicator to zero and again rotating the blade by hand. A good blade should show no more than +/- .005" variation across its entire surface.

To check for parallel alignment of the blade and miter slot, start by marking a tooth on the blade with a felt tip marker. Position the marked tooth at the front of the saw blade and take a measurement with the digital indicator tip near the marked tooth, push zero button to set 0 (see F.1); then, rotate the blade to make the marked tooth to the back of the saw, and slide the **DigiAlign** unit to the rear side of the saw table (see F.2); Take another measurement at the same position near the marked tooth. Taking both measurements at the same point on the blade eliminates any error caused by wobble. Repeat the process one more time for more accurate readings. The change in the digital indicator readings is how much misalignment there is between the the blade and the miter slot. > +/- .005" difference can affect the quality of your cuts. Refer to your table saw manual to make adjustment.

DigiAlign Instruction

Saw Blade Adjustment

1. At the rear of the saw blade, if the indicator shows a Positive \oplus reading more than 0.005", that means your rear side of the blade is having less distance from the miter slot. 2. At the rear of the saw blade, if the indicator reading shows a Negative \ominus reading more than 0.005", it means your rear side of the blade is having more distance from the miter slot. Adjust your saw blade according to the table saw manual.

Fence Alignment

When both Blade & Fence are parallel to miter slot they will be parallel each other. Lower the blade, and position **DigiAlign** in miter slot at front end of saw table then move the fence over to contact and depress the digital indicator tip. Zero the digital indicator (see F.3), then move the **DigiAlign** tool along the miter slot to the rear of the table (see F.4), to make second measuring; If the front end measurement reads differently from the rear end more than +/- 0.01" (0-24"), & +/- 0.02" (0-40") will need to make adjustment.



DigiAlign Description

- ▶ Measuring Range: 4-11" (Digital Indicator 0-1")
- ▶ Reading: 0.0005", 0.01mm, 1/128"
- ▶ Accuracy: 0.001"
- ▶ Repeatability: 0.0005" range
- ▶ 4-48 Thread interchangeable carbide tipped point
- ▶ ABS(Absolute/relative data) & Hold function
- ▶ High Measuring speed, 120" per second.
- ▶ Battery 3V CR2032, Batter life: Approx 1 Year.
- ▶ \varnothing 3/8" shank, lug back



DigiAlign Function

- ▶ Table saw alignment & saw blade runout
- ▶ Jointer depth & jointer knife position
- ▶ Fence alignment
- ▶ Arbor shaft runout



DigiAlign Assembly Kit

- ☑ Miter Bar (6" x 3/4" x 3/8") has strong magnetic on front vertical side to fit **DigiAlign** on the miter slot tightly.
- ☑ Sliding Bar (9" x 47/64" x 11/16") has a 6.50" long slide slot, it can easy & unlimitedly adjust the **DigiAlign** measuring range from 4" to 11".
- ☑ **iGaging** 0-1 inch capacity Digital Indicator reads 0.0005", 0.01mm, 1/128". (With one extra battery).
- ☑ 3 hex screws (1extra screws) and 1 hex wrench for easy assemble **DigiAlign** to vertical and horizontal measuring needs.

