

Casadei Cross Cut Kit Installation Instructions

Please note this installation kit is designed for installation on Casadei Sliding Table Saws, Cross-Cut fences. Accurate Technology manufactures kits for other sliding table saws in which some or all of the components may be different. For more information about ProKits™ feel free to contact Accurate Technology.

SAFETY WARNING

To avoid injury: Before installing ProScale on a machine, turn off the machine and disconnect it from its power source.

Warranty

Accurate Technology, Inc., warrants ProKit systems against defective parts and workmanship for two years, commencing from the date of original purchase. Upon notification of a defect, Accurate Technology, Inc. shall have the option to repair or replace any defective part. Such services shall be the customer's sole and exclusive remedy. Expenses incidental to repair, maintenance, or replacement under warranty, including those for labor and material, shall be borne by Accurate Technology, Inc.

Except as expressly provided in this warranty, Accurate Technology, Inc., does not make any warranties with respect to the product, either expressed or implied, including implied warranties of merchantability or fitness for a particular purpose, except as expressly provided in this agreement.

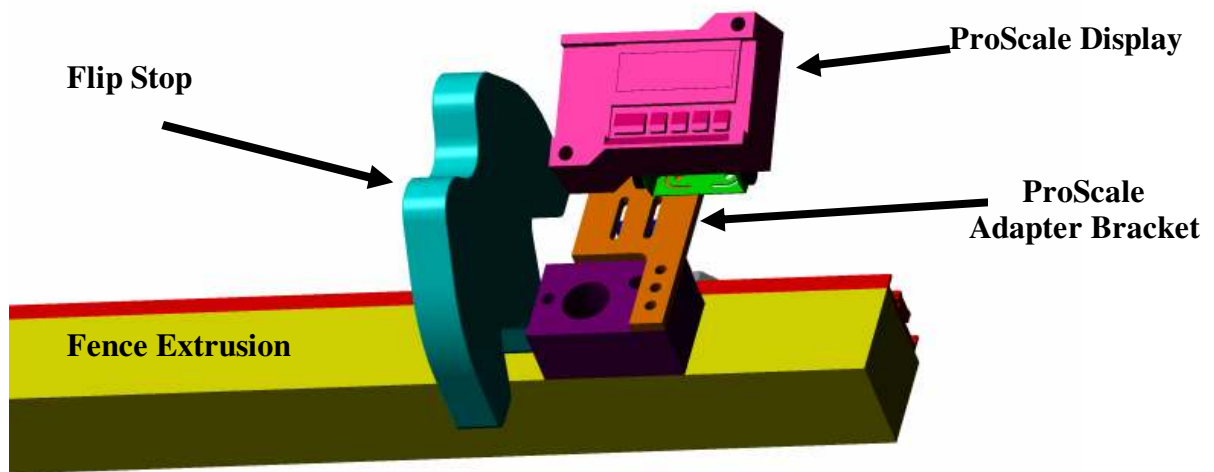
Accurate Technology, Inc., shall not be liable for any special, incidental, or consequential damages or for loss, damage or expense directly or indirectly arising from the customer's use of or inability to use the equipment either separately or in combination with other equipment, or for personal injury or loss or destruction of other property, or from any other cause.

Tools Required

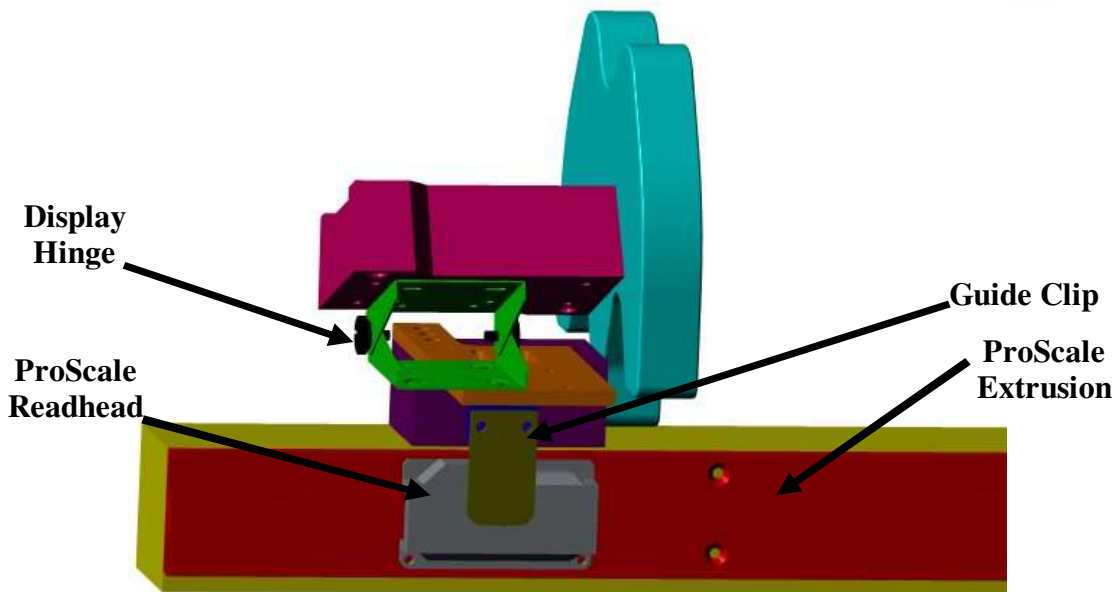
- Razor Blade (may not be necessary)
- Set of clamps
- Phillips screwdriver
- Allen wrench set
- Marking pen
- Center punch
- Drill & tap for #8-32 *or* drill & tap for M4 bolts
- Drill & tap for #1/4-20 *or* drill & tap for M6 bolts
- Band Saw (may not be necessary)
- Belt Sander (may not be necessary)

Mounting the Scale:

1. Clean the back of the cross-cut fence (use the razor blade to smooth the back side if necessary).
2. Align the top edge of the scale with the top edge of the fence extrusion. Be sure the alignment of the scale allows the readhead wiring to exit to the top. **(THE ORIENTATION OF THE READHEAD ON THE SCALE MUST BE MAINTAINED.)** Clamp the scale in place.
3. It may be necessary to shorten the scale to properly fit your fence (the scale should start at the edge of the fence closest to the saw blade). If so, call Accurate Technology for assistance (cutting the scale in the wrong location will damage the system).
4. Assure that the scale is even with the top edge of the fence extrusion on both ends.
5. Mark the hole locations. Drill the fence and tap using the 8-32 tap (or the M4 tap). Mount the scale to the back of the fence using the supplied #8 flathead screws (or the M4 screws). Do not mount the scale with less than four screws.



Casdei CrossCut Fence (colors shown for detail only)

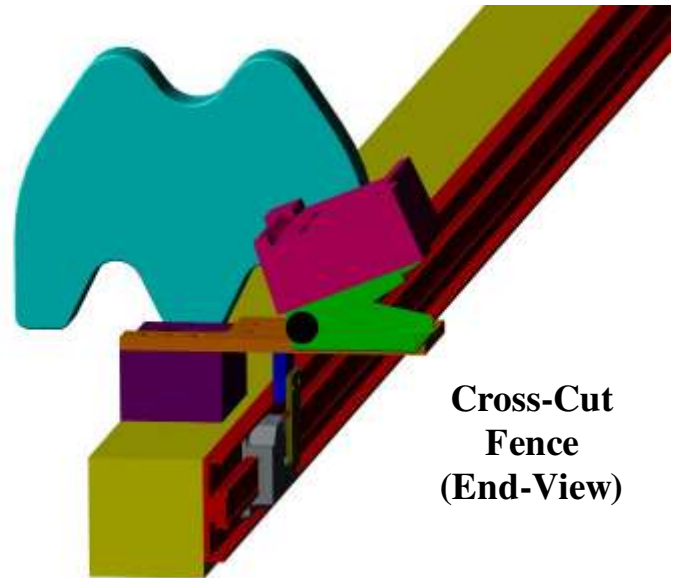


Display Assembly:

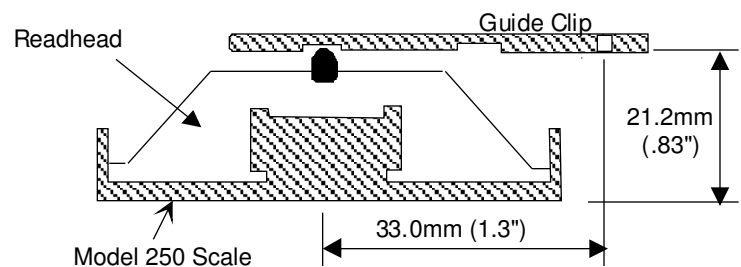
- The display assembly has been partially assembled for you at the factory. You will need to mount the hinge to this assembly using the 8-32 x 3/8" screws. Mount the other half of the hinge to the display using the #4 self-tapping screws. This entire assembly should now be mounted to the stop using the 1/4-20 bolts (or the M5 bolts).

Readhead Engagement:

- (Slide the readhead back on the scale if it has been removed. Use caution when installing to avoid damaging the gold-colored grounding fingers inside the readhead). Slide the readhead along the scale until it nears the stop assembly. Slip the readhead under the guide clip (part of the display assembly), making sure the small notch on the inside of the guide clip fits securely over the knob on the outside of the readhead. The guide clip should hold the readhead firmly and allow it to slide smoothly over the length of the fence when the stop is moved. Adjust the spacing between the readhead and the guide clip if necessary (using the included spacers and washers). Use the diagram at the right as a reference. (The pressure on the readhead is very important. Too much pressure will damage the readhead and scale. Too little pressure will cause accuracy problems.)



**Cross-Cut
Fence
(End-View)**



Reading Direction:

- Plug the readhead into the display and turn on the display.
- Move the stop left and right along the fence. The display should read small numbers near the saw blade and large numbers away from the blade. If the readings are backwards, parameter Pr0 must be changed. Reference the ProScale manual for more information.

Calibration of ProScale:

- With the stop **locked in position** near the saw blade, cut a small square board.
- Measure this board with the most precise measuring tool available and write down the measurement.
- Press the ZERO key on the ProScale display. (The display should be in ABS mode before pressing zero. If the display is in INC mode, press and hold the ABS/INC key for three seconds.)
- Use the PLUS key to enter the measured value into the ProScale display.
- Press and hold the ON/OFF button. Press the MODE button (press and release in less than a second). Release the ON/OFF button. The keyboard is now locked. It can be unlocked by repeating this

procedure. Locking prevents the display from losing its calibration by accidentally pressing the zero key.

15. ProScale should be re-calibrated when the saw blade is changed (kerf allowance).

Nylon bolts have been provided to prevent the flip stop from damaging the ProScale aluminum extrusion. These bolts should be attached to the flip stop, either at the edge of the stop, or near the fulcrum of the stop.

Troubleshooting:

ProScale is accurate close to the saw blade, but not accurate at larger distances:

- ❑ Check the alignment of the saw fence. The alignment *will* affect the measurements at larger distances.
- ❑ Also be sure to check the mounting of all ProKit components. Any loose bolts can allow for “slop” measurements.

ProScale resets itself while saw is running and the fence is locked:

- ❑ Be sure the ABS/INC key has not been accidentally pressed. If so, press and hold for 3 seconds to return to ABS reading.

ProScale resets itself while the saw is not running and the fence is locked:

- ❑ Be sure the ABS/INC key has not been accidentally pushed. If so, press and hold for 3 seconds to return to ABS reading.
- ❑ Be sure the ZERO key has not been accidentally pushed (when displayed is unlocked). If so, you will need to recalibrate the saw fence. Be sure to lock the value into the display.

ProScale display reads “No Enc”:

- ❑ Make sure the connector is fully inserted into the display. Also, be sure the readhead is on the scale. To clear the error, simply unplug the readhead for one second and re-insert the connector to the display. You will need to recalibrate.
- ❑ The readhead is mounted on the scale backwards. Remove the readhead and rotate 180 degrees. Slide the readhead back onto the scale. You will need to recalibrate.

The display reads **B** or displays a battery symbol:

- ❑ Your batteries need to be changed. ProScale uses two standard AA alkaline cells. To change the batteries, unscrew the top cover (two screws) and remove old batteries. Be sure to avoid touching the brass battery contacts as much as possible. These are specially designed to be loose while you are changing batteries-**do not attempt to bend them.**

The display reads random numbers:

- ❑ The readhead is mounted upside down on the scale. Remove the readhead and rotate 180 degrees. Slide the readhead back onto the scale. You will need to recalibrate.

My problem is not listed-where do I get help?

- ❑ Read through all the manuals for answers to other commonly asked questions.
- ❑ Check Accurate Technology's web site for further information (www.proscale.com).
- ❑ Contact Accurate Technology at 828-654-7920. Have your ProKit information ready when calling (machine model, part number, date of purchase, and point of purchase).
- ❑ E-mail our service department at customerservice@accurate-technology.com.