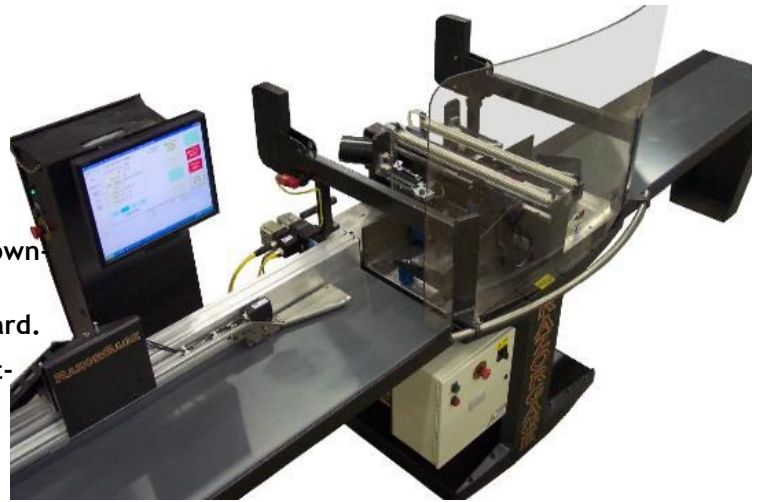


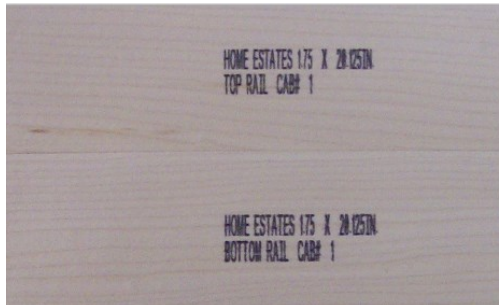
Here's what you get with a Crayon Defecting RazorOptimal Saw System

- Windows based software sorts and organizes downloaded cut lists.
- Scans crayon defect markings and length of board.
- Computer Optimizes remaining cuts into defect-free areas reducing waste.
- Prints downloaded information on your parts.
- Industrial PC inside tower chassis.
- 21-inch touch screen operator interface.
- Factory installation and training included.
- Given finished door panel sizes, tracks staves needed to produce oversized door panel glue ups.
- Defect only mode provides a lineal footage running total for floor and trim.



RazorOptimal shown with Cyclone-600 up cut saw. If you were quoted a RazorOptimal with Pocket Hole drilling and/or Scribe Marking, refer to the pictures starting on Page 2.

The RazorGage positioner with linear bearing system carriage lifts the scanner and scans in defect markings and board length data as it moves backward to engage the material. The computer determines the best yield cutting solution based on the remaining parts to be made and the clear areas of material as indicated by the operator's crayon marks. Then the positioner begins pushing material to the saw to cut a leading edge trim and begin making your parts. As the material passes by the inkjet printer, part data that was downloaded and data you designated to print is put on the part.



PRINT LABELS 'Do Not Print' Selection CANCEL DONE

Ink Jet Parameters:

PRINT HEAD OFFSET INCHES

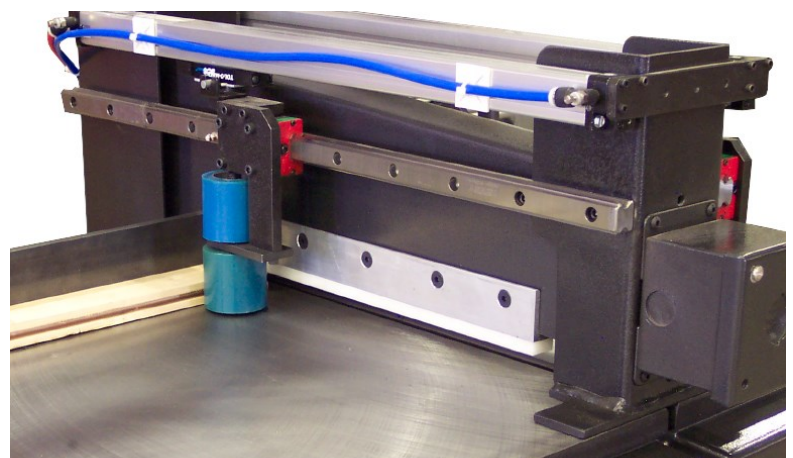
MINIMUM DISTANCE OF LABEL START FROM START OF PART INCHES

PRINT FJ ON LEFT OVER MATERIAL LONGER THAN INCHES

	FIELD 1	FIELD 2	FIELD 3
LINE 1	<input type="text" value="MAT"/>	<input type="text" value="WIDTH"/>	<input type="text" value="LENGTH"/>
LINE 2	<input type="text" value="EMPTY"/>	<input type="text" value="EMPTY"/>	<input type="text" value="EMPTY"/>

Print Length as fraction Print Width as fraction
 Print Thickness as fraction

The up cut saw is based on our innovative Cyclone-600 which accommodates up to a 24-inch blade (500mm ships as standard). The linear bearing guided direct drive saw motor precisely tracks up and down to ensure the best possible cuts in your material. The top clamp is also linear bearing guided to ensure that material does not "crab" away from position as the clamp contacts the material. Left and right side clamps on linear bearings intelligently clamp material squarely against the back fence.



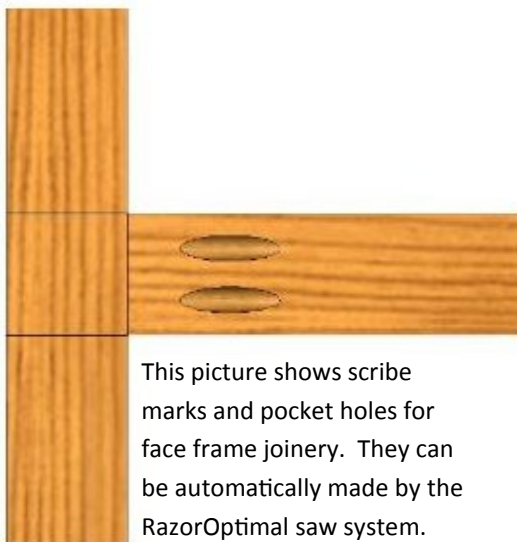


Consider adding a RazArray automatic sorting assist option. It can indicate a bin assignment to the operator by LED light. For example, if a part belongs to cabinet number 23, then LED number 23 will light showing where to put the part. The RazArray can be configured to meet your needs. Yours could look like the picture to the left. Build a matching cart with pigeon holes that align with the rails and LED. When the job is complete, roll the cart to the next processing station—it's a significant productivity booster.

Please double check:

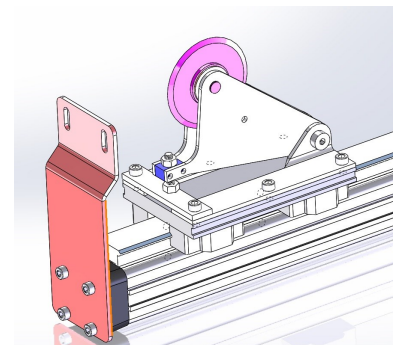
- Machine was quoted with the correct 3-phase voltage?
- Feed direction is correct?
- Stock length is correct to the inch and not longer? (shorter is OK)
- Note that RazorOptimals cannot print on materials less than 1-inch wide.

If your quote was for a RazorOptimal system with Pocket Hole or Scribe Mark options, you will get a system similar to the one depicted to the right. In addition to the features listed above, the Pocket Hole option will automatically drill pocket holes into the part names you designate. If you have design software such as Cabinet Vision, CabnetWare, KCD or Mozaik, you can add the Scribe Marking option to automatically scribe mark the locations where rails join stiles.



This picture shows scribe marks and pocket holes for face frame joinery. They can be automatically made by the RazorOptimal saw system.

RazorOptimal Saw System with TSI Precision down cut saw. This saw is used when you want your system to automatically drill pocket holes for your face frames and / or scribe



Scribe Marking Assembly