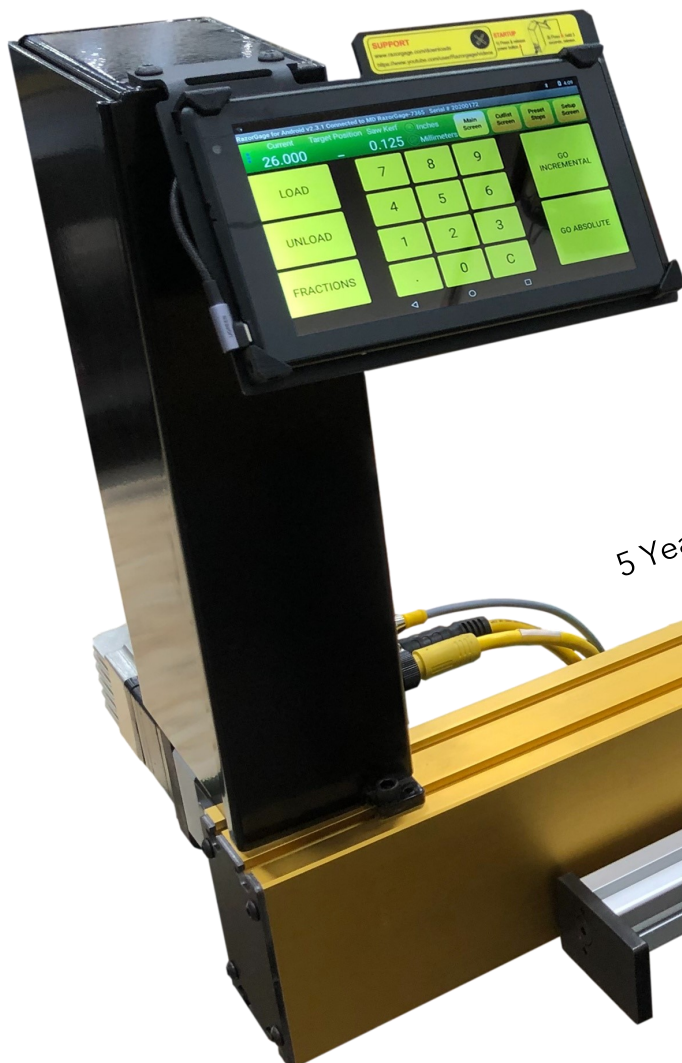


RAZORGAGE

AUTOMATIC SAW MEASURING SYSTEMS

RAZORGAGE ST-A

Android



5 Year Belt Warranty!

BETTER BY DESIGN

Programmable
saw stops and
pusher systems that
have set a new
standard for accuracy,
repeatability and
dependability



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515.232.3188 • Sales@RazorGage.com

RazorGage ST-A *Automatic Saw Measuring System*

The RazorGage ST-A Android Automatic Saw Measuring System is built using all of the same CNC quality mechanical features used in all our ST configuration positioners, but without the full functionality of the RazorGage Windows application software.

When looking to improve the output and efficiency for your operations, the RazorGage ST -A offers the highest degree of accuracy, repeatability and long-lasting dependability.

This system features a hi-performance motion controller that reacts quickly to jams, eliminating stretched belts.

The carriage assembly features a Hiwin hardened & ground, linear bearing rail with 2 recirculating ball bearing blocks just like you see on CNC machining centers for near friction-free motion, maximum rigidity, accuracy and long life.



FEATURES

- ◆ Android interface on our superior positioner design. Intuitive operation, fraction keys, infinite hot keys
- ◆ Email cutlists over a WiFi network or create on-screen
- ◆ 5 Year Belt Warranty
- ◆ Uses the same linear bearings found on CNC machining centers
- ◆ Near zero backlash planetary gearhead & drive pulley
- ◆ Available in stroke lengths up to 60'

SYSTEM OPTIONS & ACCESSORIES

- ◆ Tables – Heavy Gauge, Powder Coated Steel
 - 34.5" to 44.5" in height (*adjustable*)
 - Surfaces – 1/4" Solid PVC, PVC Rollers, Steel Roller
- ◆ Table Attachment Bracket
- ◆ Chop Saw Table - Works with all saw brands
- ◆ Basic Stop Extension



RazorGage ST-A *Better Hardware*

OUR PREMISE

An automatic saw measuring system only benefits your business if you can trust it to position accurately every day.

MECHANICAL FACT

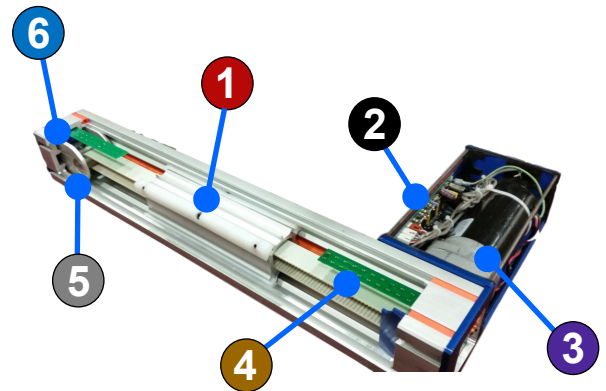
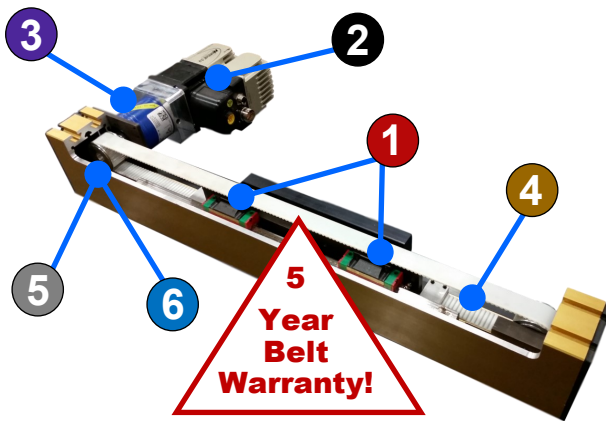
Since most automatic saw measuring systems calculate stop position based on motor rotation, drive component precision is crucial to long term accuracy.

OUR CONCLUSION

- The conclusion is simple - the quality of the drive components directly affects return on investment.

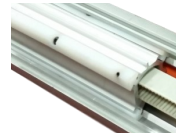
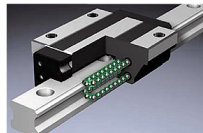
RazorGage continually exceeds expectations due to the design and quality of our components.

Compare RazorGage to other Positioners



1

The RazorGage positioning carriage mounts on two re-circulating ball bearing blocks sliding on a hardened & ground steel rail. Just like you see on CNC machining centers!



Competitor uses plastic strips sliding on aluminum as the positioning carriage bearing.

2

RazorGage electronics are sealed inside IP54 rated housing impervious to chips.



Electronics sensitive to chips are inadequately protected.

3

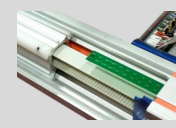
RazorGage utilizes a planetary gear-head with 3 load paths transmitting torque & less than 7 arc minutes of backlash to maximize accuracy.



Spur gear style reducer others use, with 1.2 gear teeth transmitting load, is prone to excessive backlash.

4

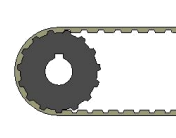
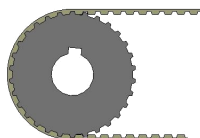
RazorGage uses no sensors for homing or end of travel eliminating the need for failure prone components and wiring.



Contamination sensitive sensors inside the beam require long cable runs around sharp corners.

5

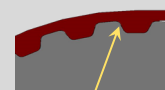
30 tooth drive pulley used on RazorGages has a larger bend radius increases belt life and twice the teeth to resist tooth shear.



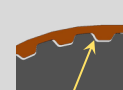
15 tooth pulley competitor uses, has a tighter bend radius reducing belt life and half the teeth to resist tooth shear.

6

The RazorGage drive pulley is machined to match the belt tooth profile eliminating backlash.



Zero Clearance



1/64" Clearance

Standard pulleys have 1/64" clearance allowing backlash which reduces accuracy.

RazorGage ST-A *Better Software*

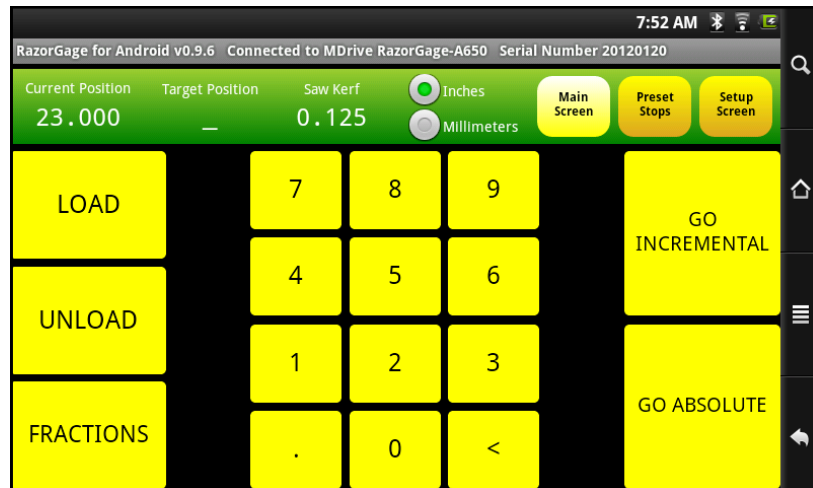
By taking advantage of the economy, power and reliability of today's Android devices, RazorGage can offer the mechanically superior RazorGage ST-A for about the same price as the less robust, less intuitive products offered by our competitors.

MAIN SCREEN

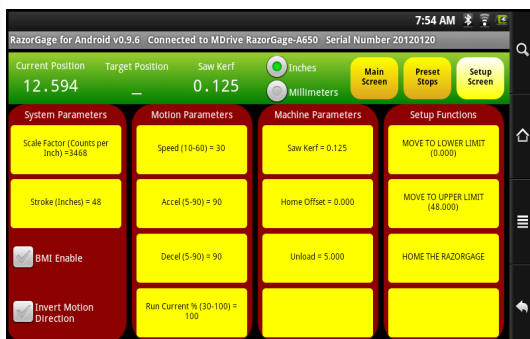
Large Touch Screen User Interface makes operator input fast, easy and intuitive.

Punch in desired cut position at the machine and use the pre-set hot keys, to reduce setup time.

Fraction Keys minimize key-strokes reducing human error.

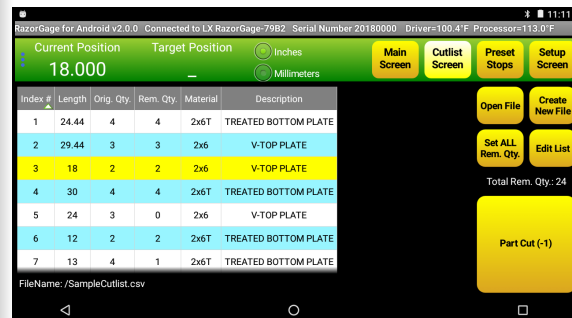


SETUP SCREEN



No menus to memorize. Operation is obvious. Setup and calibration functions are just a keystroke away.

CUTLIST SCREEN



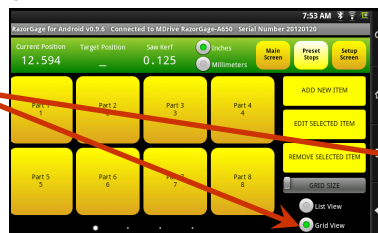
Create your cutlists at the machine or email a cutlist over a WiFi network. The Android has tremendous storage capacity, so you are not limited to saving only small cut lists. Cutlists can also be restored to original quantities after use or even multiplied if you want to make several "kits" of parts at once.

PROGRAMMABLE HOT KEY SCREEN

Unlimited Presets minimize keystrokes reducing human error.

Preset Grid Scaling Slide Bar allows you to easily adjust the Preset button size or change to list view to scroll through your Presets using the swipe feature.

GRID VIEW



LIST VIEW

