# RazorGage

## POSITIONERS • SOFTWARE • SYSTEMS



Better Hardware
Better Software
Better Buy RazorGage
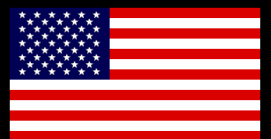
# Better Hardware

**The RazorGage Premise:** A programmable saw stop only benefits your business if you can trust it to position accurately every day.

**Fact:** Since most saw stops calculate stop position based on motor rotation, drive component precision is crucial to long term accuracy.
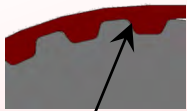
**Conclusion:** Drive component quality directly affects return on investment.
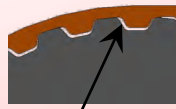
## RazorGage Linear Bearing: Hiwin Linear Guide
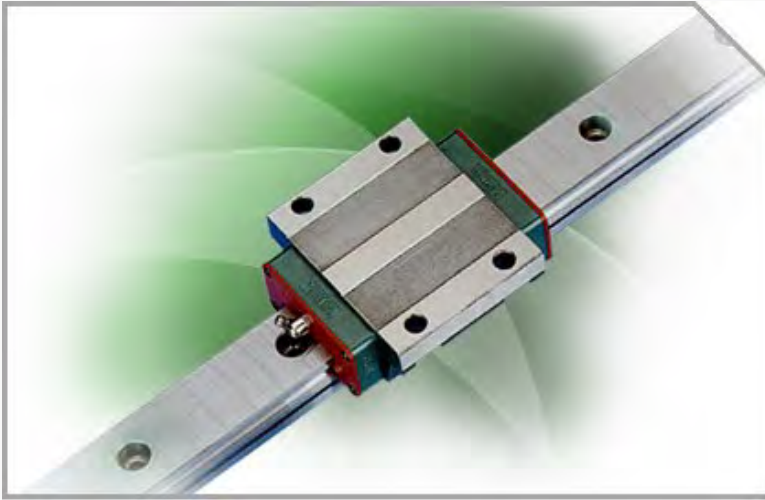
- Industrial Standard for Linear Motion
- Rigid & Consistent Motion for repeatable and accurate positioning throughout stroke.
- No Adjustment
- Long Life

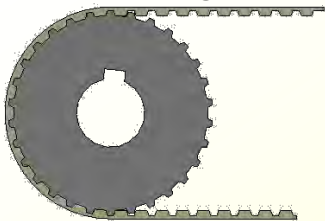## Competitors' Linear Bearing: Plastic Wear Pads on Aluminum Extrusion

Dimensional Variation inherent to the extruding process results in varying fit along stroke.

- Adjustment required as pads wear
- Motion resistance varies throughout stroke causing unpredictable positioning characteristics.

## RazorGage Zero-Clearance Pulley

Zero Clearance

## Standard Drive Pulley

1/64" Clearance

## Planetary Gearhead used on RazorGage

- 3 Load Paths Transmitting Torque
- 7 Arc Minutes Backlash

## Spur Gear Style Reducer Others Use

- 1.2 Gear Teeth Transmitting Load
- Excessive Backlash

## 30 Tooth Pulley used on RazorGage

- Larger Bend Radius increases belt life.
- Twice the teeth to resist tooth shear load.

## 15 Tooth Pulley Competitor Uses
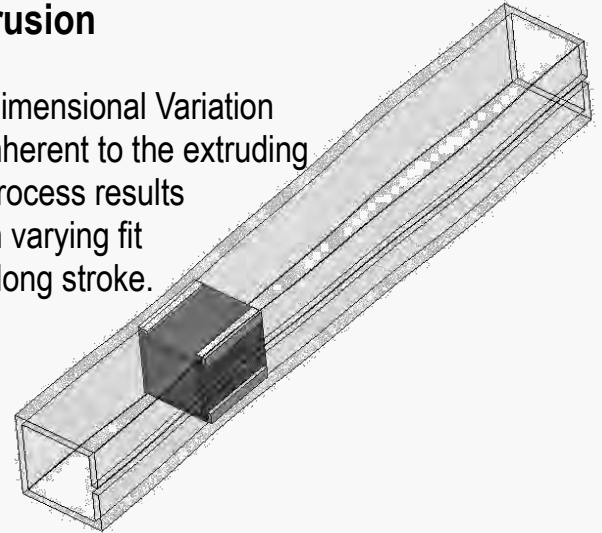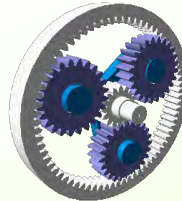
- Tight Bend Radius reduces belt life.
- Half the teeth to resist tooth shear load.

## RazorGage doesn't stretch belts

Due to the nature of the RazorGage drive and control system, motor torque is interrupted immediately upon detection of a stall. The result is that our customers virtually never have to replace a belt.

**For detailed information, videos, & manuals, visit www.razorgage.com**

# Better Software

Everyone uses personal computers these days. Why should your linear positioning system be different? RazorGage includes a reliable solid stateTablet PC running Windows 7 Professional. Just save files to the RazorGage via wifi network or transfer them with a USB drive.

**10.1" Touch Screen** Provides a bright, bold operator interface.

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

**Fraction Keys** minimize keystrokes reducing human error. Only 3 strokes initiate a move to a position such as 39 -15/32.

**And many more functions** too numerous to explain in this flier. The RazorGage software includes pages of Presets, the Work Order Screen for simple downloading, the AutoPusher Screen for defining and running cut patterns, and the Batch Screen for defining and running same length parts from specific stock lengths. Our software is always evolving and we are happy to customize. Download a free demo version of our software at www.razorgage.com



## Autolist Defecting & Optimizing Option

**Download your cutlist.** The RazorGage Autolist Software displays your parts grouped according to your criteria. Just touch a line item and the RazorGage moves to position. Pressing the PART CUT button decrements QTY. Items are crossed off when the QTY reaches zero. Enter available clear length for an optimized solution. Use as a pusher or a stop. Include the Tool Safe Sensor to provide semi-automatic operation.



Enter available clear material to get an optimized cutting solution.

**For detailed information, videos, & manuals, visit www.razorgage.com**

# RazorGage

## Specifications

**Accuracy:** ±.008" over 12 feet

**Repeatability:** ±.0015"

**Push Force:** 200 lb at 10 ips

**Max Speed:** 60 ips

**Power Reqd:** 120 VAC / 10 Amps

**Length:** Stroke + 24"

**Interface:** 10.1" Touchscreen for Standard Tablet PC or 17" Touchscreen with Optional Tower PC

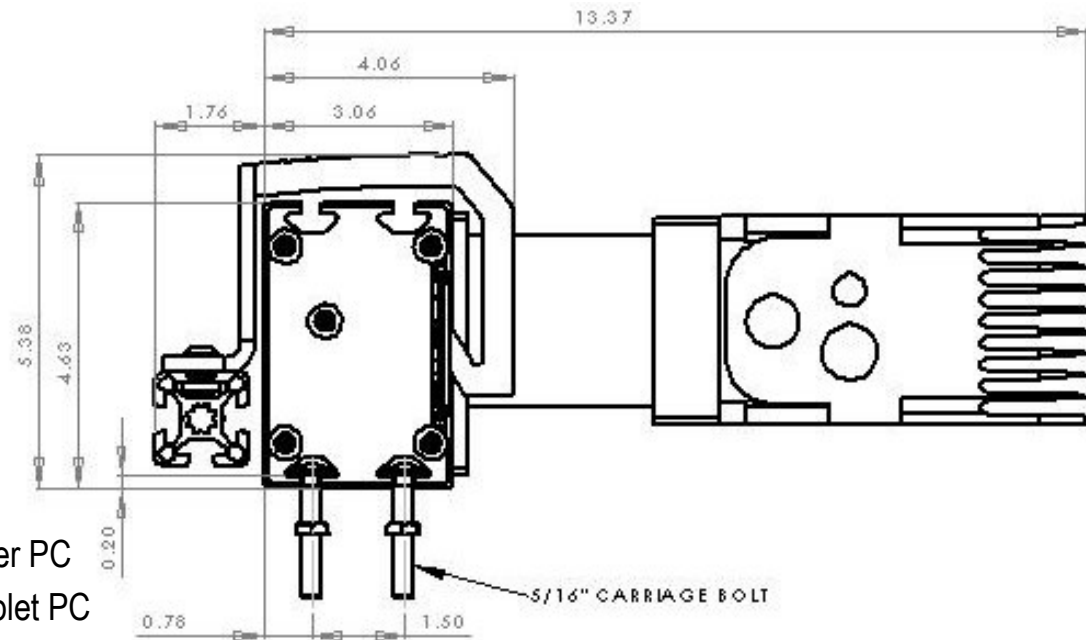**Networking:** WiFi on Standard Tablet PC

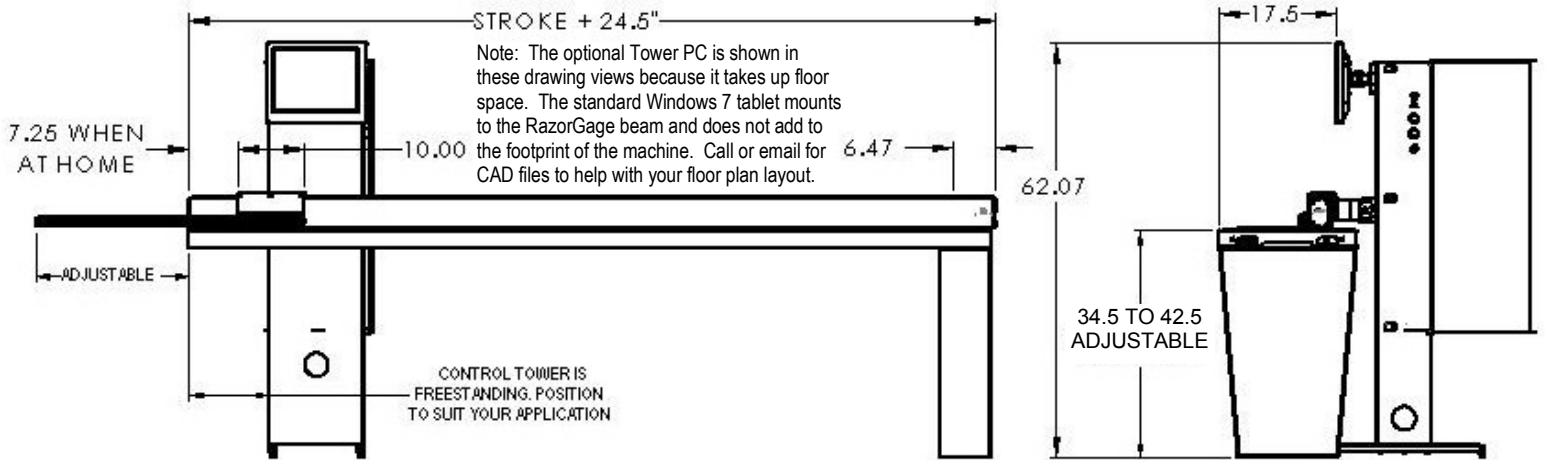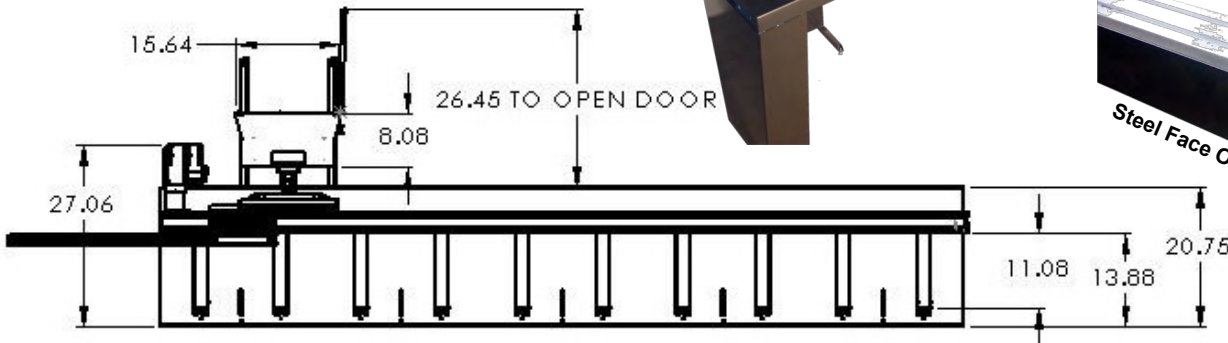**Operating System:** Windows 7 Pro for Standard Tablet PC, XP Pro for Optional Tower PC.

**Max Ambient Temp:** 120º F

**Available in 4~46 Foot Strokes**. Custom Strokes Available

13.37
4.06
1.76
3.06
5.38
4.63
0.20
5/16" CARRIAGE BOLT
0.78
1.50

## Common Options &Accessories

Thermal Label Printer

Miter Stop

Optional Tower PC

Roller Table

Steel Face Option

15.64
26.45 TO OPEN DOOR
8.08
27.06
11.08
13.88
20.75

STROKE + 24.5"

17.5

Note: The optional Tower PC is shown in these drawing views because it takes up floor space. The standard Windows 7 tablet mounts to the RazorGage beam and does not add to the footprint of the machine. Call or email for CAD files to help with your floor plan layout.

7.25 WHEN AT HOME

10.00

6.47

62.07

34.5 TO 42.5 ADJUSTABLE

ADJUSTABLE

CONTROL TOWER IS FREESTANDING. POSITION TO SUIT YOUR APPLICATION

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Your Local Dealer:

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