



Year Belt Warranty

TOOL GRADE SAW STOP



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

RazorGage has always had the best hardware & software. Now it has the best motion control system. New for 2023, RG3 includes a Yaskawa Servo for maximum reliability.

Heavy gauge steel tables sold separately



WWW.RAZORGAGE.COM 515.232.3188 • Sales@RazorGage.com

# RazorGage RG3 Automatic Saw Measuring System



The RazorGage RG3 Automatic Saw Measuring System is at the heart of our product line. Whether you use the RG3 as an automatic pusher or a measuring stop, this digital measuring fence can be used with a chop saw, upcut saw, downcut saw, drill press, haunching, notching and punching machines.

When looking to improve the output and efficiency for your operations, the RazorGage RG3 offers the highest degree of accuracy, repeatability and long-lasting dependability.

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

70

TOOL GRADE SAW STOPS

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

- Windows PC with hi-resolution touch screen
- Networks easily using ethernet or WiFi and has tons of features
- Store 1000's of cutlists
- Optional optimizing software ٠ reduces waste material. Sorts cutlists into 1000's of groups according to multiple criteria, and much more
- Fraction Keys adjust position in just a few key strokes
- Uses the same linear bearings found on CNC machining centers
- Near zero backlash planetary gearhead & drive pulley
- 5 Year Belt Warranty
- Available in stroke lengths up to 60'

## PC, Software, & Controls

### **NEW TOWER PC**

Includes a hi-resolution touch screen monitor. Cables pass through foam compression opening to prevent dust and chip penetration. Multiple USB & Ethernet port, Bluetooth, & Wi-Fi. Windows 10 Professional.

## **ALL NEW SOFTWARE**

The RGST software has been re-written from the ground up. The new <u>RG3 software</u> retains all the same features as before but with an even simpler interface. A new UPDATE button allows you to update to the latest version instantly.

## ALL NEW YASKAWA SERVO DRIVE

'ear

Belt Narranty!

RazorGage is now driven by a Yaskawa servo. Yaskawa is the only industrial drives and motion control manufacturer to win the Deming Medal, the most prestigious



quality award in manufacturing.

# RazorGage RG3 Better Hardware



# **OUR PREMISE**

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

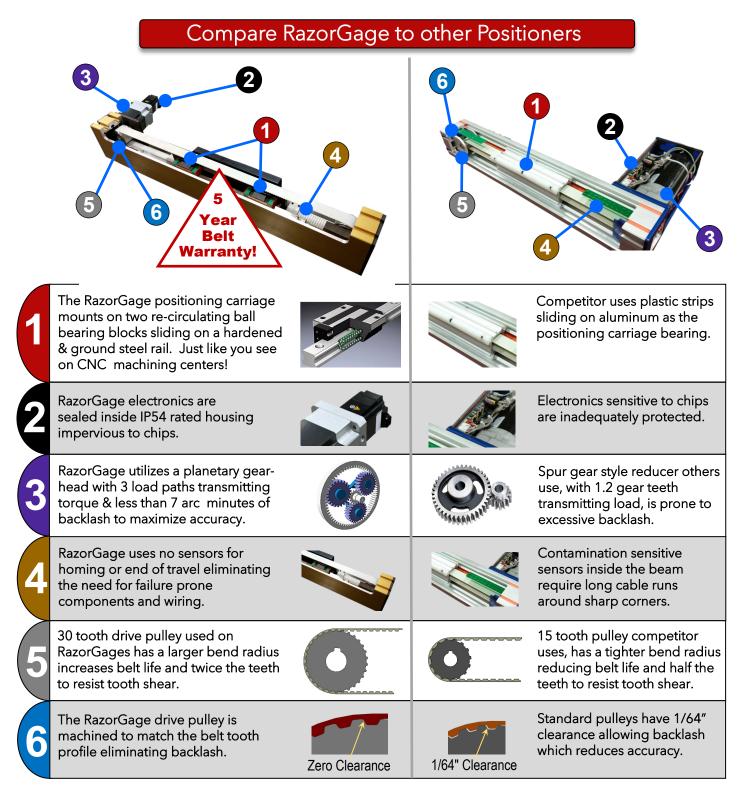
# MECHANICAL FACT

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.



# RazorGage RG3 Better Software

The WINDOWS application software provides a bright, bold user interface. No menus to memorize. Operation is obvious. Setup and calibration functions are just a screen touch away.

- Our PRESETS Screen features hot keys to which you can assign positions and labels.
- Assign **infinite offsets** to picture buttons for secondary operations.
- Password protected SETTINGS has parameters with plain labels like SPEED, ACCEL, & SAW KERF make setup obvious. Our calibration utility tells you step by step how to calibrate.
- Fraction Keys minimize keystrokes reducing human error. Only 3 strokes to move to a position like 39 -15/32.
- Select Stop Mode or Pusher Mode. Then select the type of operation based on your cutlist requirements. Screens are simple to use.

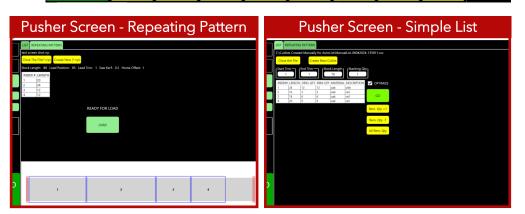
ETS OFFSETS LIST AUTOCALC STOP MODE USHER MODI /e To 7 8 9 CLEAR ALL AUTOLIST SETTING 4 5 6 UNLOAD 1 2 3 60 Backspace 0 InchesMillimeters 1/32 0.03125 1/16 0.0625 3/32 0.09375 5/32 0.15625 7/32 0.21875 1/8 0.125 3/16 0.1875 1/4 0.250 9/32 0.28125 5/16 0.3125 11/32 0.34375 3/8 0.375 13/32 0.40625 7/16 0.4375 15/32 0.46875 1/2 0.500 9/16 0.5625 19/32 0.59375 5/8 0.625 21/32 0.65625 11/16 0.6875 23/32 0.71875 17/32 0.53125 3/4 0.750 **READY TO** MOVE 25/32 0.78125 27/32 0.84375 29/32 0.90625 15/16 0.9375 31/32 0.96875 CLEAR ALL 13/16 0.8125 7/8 0.875

improve productivity.

Built-in functions such as fraction keys, pages of

Presets, Cutlist screens in both pusher and stop

mode, help eliminate operator mistakes and



## **AUTOLIST UPGRADE** Optimize the Yield on Your Material!

The popular & powerful <u>AUTOLIST</u> Screen calculates optimal cutting solutions to maximize yield on your valuable material. AutoList can be mapped to your cutlist layout. Quantities can be multiplied to

Position: 0 Move To:	c	CLOSE FILE service glass cutlist - Copy (7).r3d								PUSHER						Switch to STOP Mode			STOP MODE PUSHER MOD
	J (QT	artim و Trim ه								AR LENGTH: 80						Stacking			
				PEC	TORE										Quantit	: Label	Printing:	AUTOLIST	
		۳. I.	-	RES	TORL	ST				rs-load o	DAD OUT					• Sta	ck Only	SETTINGS	
	s	ET	RE	STOR	E ALL	EN	ID:	1	E DOLA	JSTIVE ENUMER	NTION						• Eac	h Part	SETTING.
UNLOAD																			
UNLOAD	CU	RRENT	GROU	JP G	ROUPS	COL	UMN	DISPLAY	ALL PAR		2							OPTIONS	
	OT	VICCT	120	Inne	TH LEFT	1001	7												
MOVE TO LOW LIMIT		FILEN		unto				DRIG OTY	LENGTH	PROJECT#	к	B NAME	JOB #	PART DESC	FINISH	PART #	INCUTLIST	POCKET I	
	1	servic	e glas	s cutli	st - Cor	v (7)	1 1		249	Enter projec	t # C	entury Cente	9879	Stool trim type 2	Finish 1 Finis	h 2 CW5-A	0		
MOVE TO HIGH LIMIT	2				st - Cor					Enter projec									
	3	servic	e glas	s cutli	st - Cop	ry (7)	1 1		240	Enter projec	t#C	entury Cente	9879	Stool trim type 2	Finish 1 Finis	h 2 GG-59	0		
nits	4	servic	e glas	s cutli	st - Cop	y (7)	1 1		47	Enter projec	t#C	entury Cente	9879	Stool trim type 2	Finish 1 Finis	h 2 CC-49	0		
<ul> <li>Inches</li> <li>Millimeters</li> </ul>	5	servic	e glas	s cutli	st - Cop	y (7)	1 1		240	Enter projec	t#C	entury Cente	9879	Stool trim type 2	Finish 1 Finis	h 2 JJ-62	0		
	6	servic	e glas	s cutli	st - Cop	y (7)	1 1		47	Enter projec	t#C	entury Cente	9879	Stool trim type 2	Finish 1 Finis	h 2 EE-50	0		
	7	servic	e glas	s cutli	st - Cop	y (7)	1 1		218	Enter projec	t#C	entury Cente	9879	Stool trim type 2	Finish 1 Finis	h 2 DDL-52	0		
	8	servic	e glas	s cutli	st - Cop	y (7)	1 1		69	Enter projec	t#C	entury Cente	9879	Stool trim type 2	Finish 1 Finis	h 2 G-21	0		
	9	servic	e glas	s cutli	st - Cop	y (7)	1 1		218	Enter projec	t#C	entury Cente	9879	Stool trim type 2	Finish 1 Finis	h 2 DDL-53	0		
	10	) servic	e glas	s cutli	st - Cop	y (7)	1 1		66	Enter projec	t#C	entury Cente	9879	Stool trim type 2	Finish 1 Finis	h 2 B-2	0		
	11	l servic	e glas	s cutli	st - Cop	y (7)	1 1		218	Enter projec	t# Ci	entury Cente	9879	Stool trim type 2	Finish 1 Finis	h 2 DDR-54	0		
	12	e servic	e glas	s cutli	st - Cop	y (7)	1 1		66	Enter projec	t#C	entury Cente	9879	Stool trim type 2	Finish 1 Finis	h 2 B-2	0		
	13	8 servic	e glas:	s cutli	st - Cop	ry (7)	1 1		218	Enter projec	t#C	entury Cente	9879	Stool trim type 2	Finish 1 Finis	h 2 DDR-55	0		
	14	servic	e glas	s cutli	st - Cop	y (7)	1 1		66	Enter projec	t#C	entury Cente	9879	Stool trim type 2	Finish 1 Finis	h 2 B2-4	0		
	15	i servic	e glas	s cutli	st - Cop	y (7)	1 1		203	Enter projec	t#C	entury Cente	9879	Stool trim type 2	Finish 1 Finis	h 2 BB1-46	0		
					st - Cop					Enter projec				Stool trim type 2			0		
					st - Cop					Enter projec				Stool trim type 2					
READY TO	18	8 servic	e glas	s cutli	st - Cop	y (7)	1  1		90	Enter projec	t#C	entury Cente	9879	Stool trim type 2	Finish 1 Finis	h 2 CW6-C	0		
	<																		
MOVE																		EW LABEL	

accommodate today's schedule. Switch between pusher & stop any time. Include the Tool Safe Sensor to automate the operation!

- Optimize at the machine or run pre-optimized lists according to a cutting plan.
- Sort your cut list into hundreds of groups by multiple criteria.
- Contains unlimited cut list mappings.
- Accommodates Secondary Operations.
- Print custom labels.



RazorGage - Technical Services, Inc. - 57006 241st Street, Ames, IA 50010 - P(515) 232-3188 For detailed information, videos, & manuals, visit www.razorgage.com

# RazorGage RG3 Options & Accessories





RazorGage - Technical Services, Inc. - 57006 241st Street, Ames, IA 50010 - P(515) 232-3188 For detailed information, videos, & manuals, visit www.razorgage.com

# RazorGage RG3 Specifications

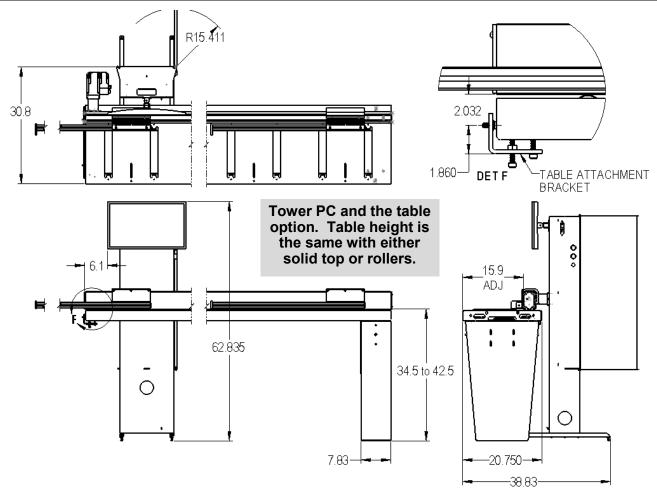


### **Technical Details**

Accuracy: ±.004" over 12 feet if calibrated with a capable measuring device. Repeatability: 001" Push Force: 200 lb at 40 ips Max Speed: 50 ips Power Read: 120 VAC / 10 Amps Interface: Hi-resolution Touchscreen with Tower PC Networking: Wifi or Ethernet Operating System: Windows 10 Pro Length: Available in 4~60 Foot Stroke



#### Space Requirements for Tower Enclosure w/ PC Option and Tables





RazorGage - Technical Services, Inc. - 57006 241st Street, Ames, IA 50010 - P(515) 232-3188 For detailed information, videos, & manuals, visit www.razorgage.com