RazorGage

AUTOMATIC OPTIMIZING SAW SYSTEMS

APS AUTOPUSHER OPTIMIZING SAW

BETTER BY DESIGN

Our optimizing saw systems are built to provide durable, easy-to-operate cutting systems that are powerful, safe and can improve operating efficiencies while reducing waste

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APS Autopusher Saw

The APS Automatic Optimizing Upcut Saw System is built around the powerful and highly accurate RazorGage RG3 Automatic Saw Measuring System & the durable, clean-cutting Cyclone 600 Upcut Saw.

The APS optimizes your cuts but the main feature is the Automatic Pusher System which allows you to push "Go" and stand back. The automatic saw does the work and allows one person to both feed the saw and stack the finished parts, with no interruption.

The Intelligent Clamping System eliminates the dangerous condition caused by half clamping the leading or trailing edge of your material, which leads to scrapped parts. The accuracy and efficiency of the cutting process eliminates mistakes which further optimizes the production flow to minimize the time required to complete the job.

Great for cutting Wood, Aluminum or nearly any non-ferrous metal. Aluminum cutting option includes aluminum cutting blade and left and right mist blade lubrication.
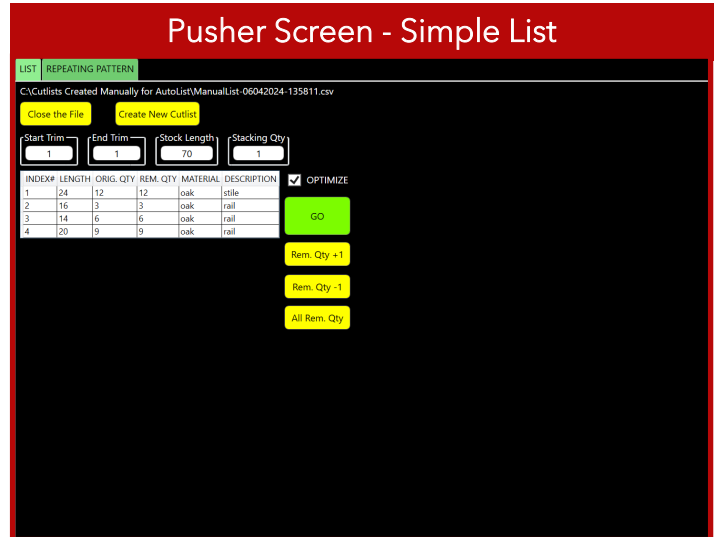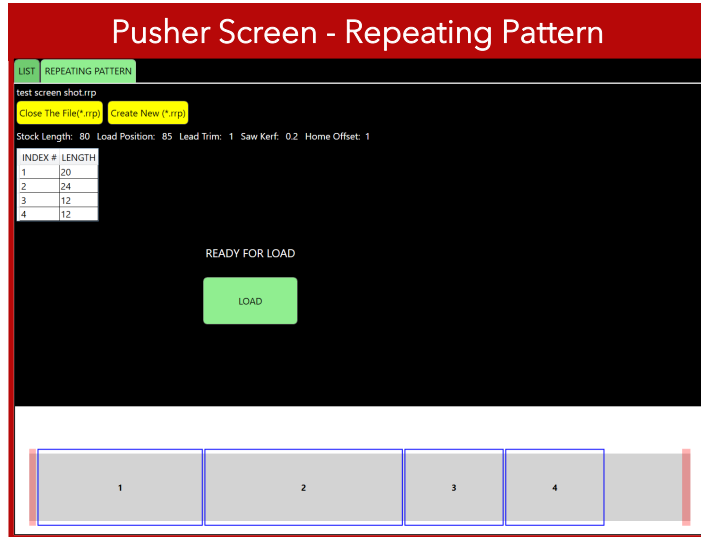
FEATURES

♦ Download cutlists directly to the RazorGage PC via Ethernet, USB drive or Wifi

♦ Optimize at the machine or run pre-optimized lists from your design software

♦ Sort cutlists into almost unlimited groups of like material, color, job & more, right at the machine

♦ Part length accuracy varies with application but +/-.005" is possible

♦ Push 200 lb at 50" per second

♦ Print paper labels or inkjet print directly on the parts

♦ Table surface options include solid PVC, PVC rollers or steel rollers

♦ Windows Tower PC operation on a large, color touch-screen monitor

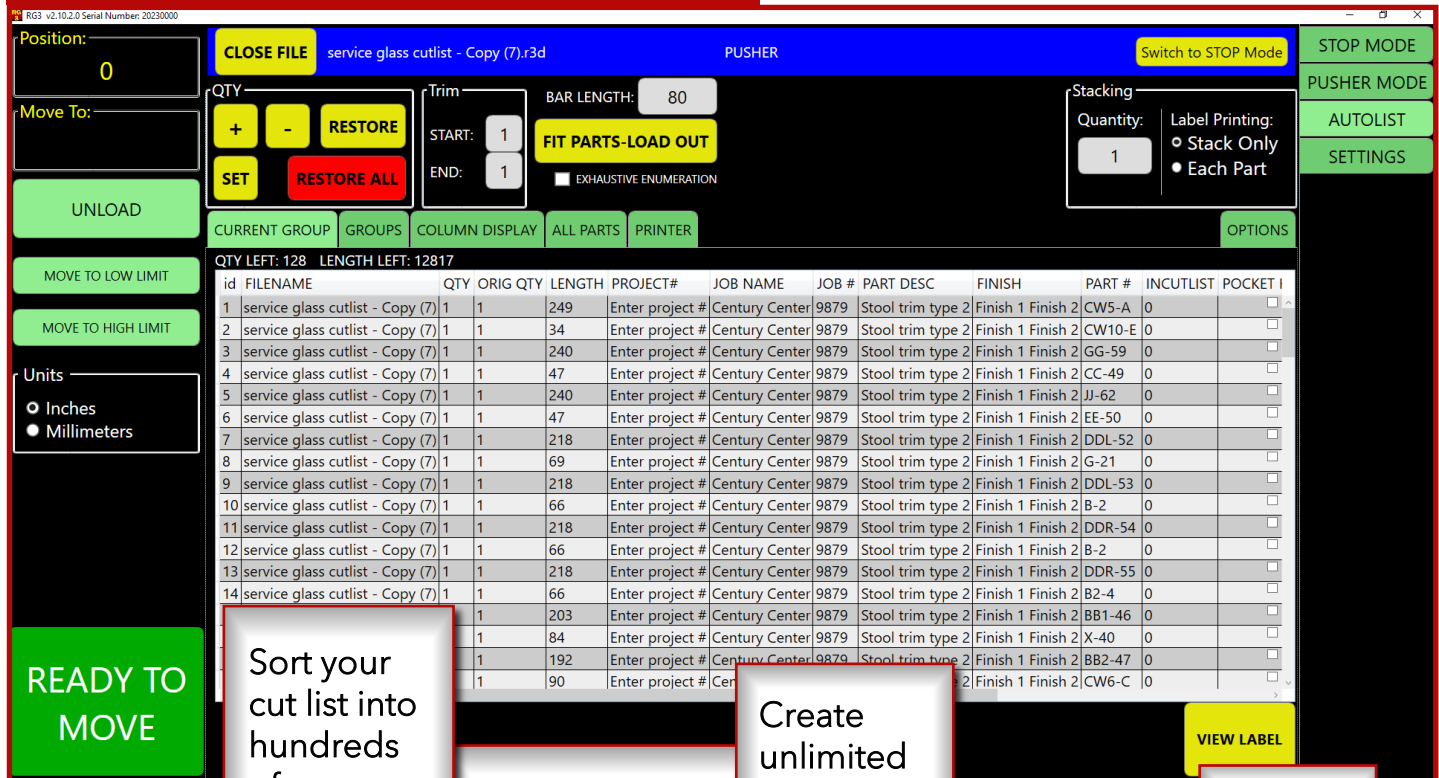♦ Optional articulated pusher mounted gripper

APS Autopusher Saw

Better Software

The automated saw software on this optimizing industrial upcut saw system gives you the ability to download your cutlists and use multiple criteria to sort lists into hundreds of groups. Our RazorGage software is flexible, allowing you to import pre-made lists or edit and create cutlists right at the saw. Our software solutions are designed to be intuitive and able to adapt to all types of projects and applications.

Pusher Screen - Repeating Pattern

Pusher Screen - Simple List

AutoList Optimizing Screen

Sort your cut list into hundreds of groups by multiple criteria

Optimize at the machine or run pre-optimized lists according to a cutting plan

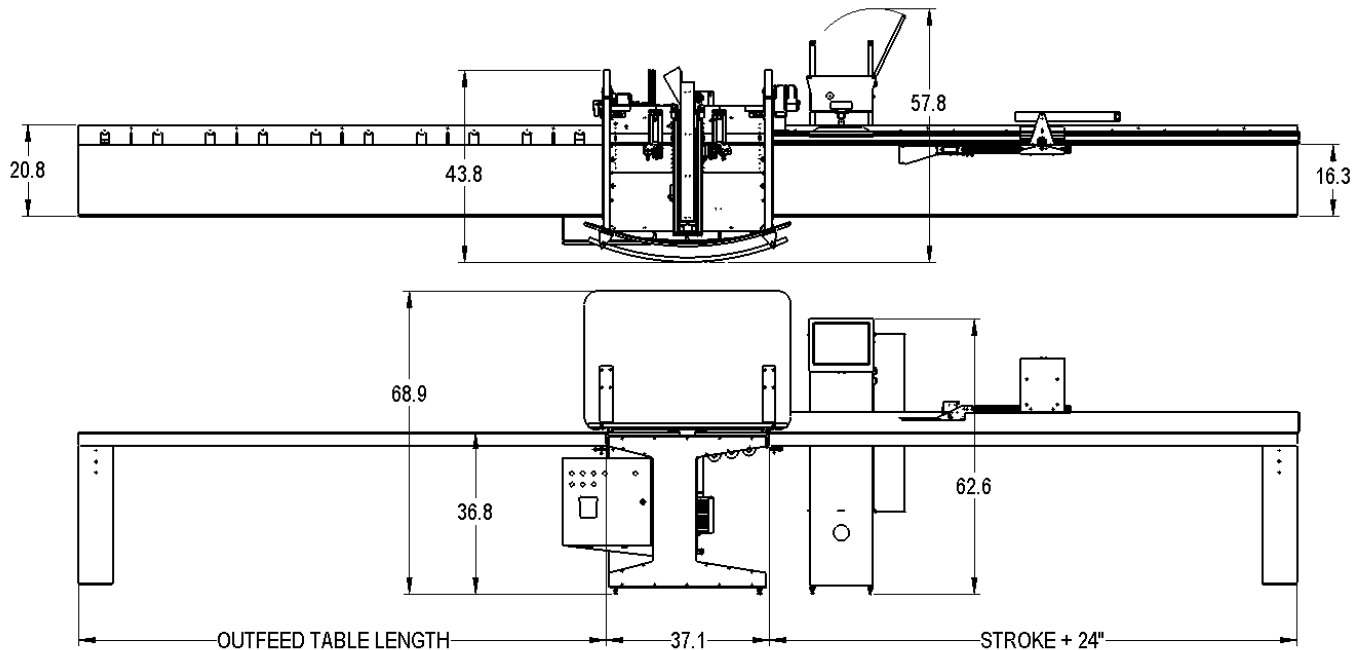Create unlimited cut list mappings

Accomodates secondary operations

Print custom labels

APS Autopusher Saw System Specifications	
Power Requirements	Positioner - 120 VAC, 10Amp Saw (7.5hp) - 208-230VAC, 3-phase, 30 Amp -or- 460VAC, 3-phase, 20Amp
Dust Collection	Two 4" diameter (102mm) requiring 600 cfm (17m³) minimum for dry light materials. Other material may need higher velocity/pressure.
Compressed Air	Requires 80 psi (5.5 bar) at 5 cfm (0.14m³) air filtered to 2.5 microns (oil and moisture free). Use industrial air dryer, rated for cfm (CM) flow. No lubrication required for air components. Air must be lubricant free.
Motor RPM	Variable from 2200 to 3450
20" Blade for Wood	120T x 1" Bore
20" Blade for Aluminum	140T x 1" Bore
24" Blade for Wood	144T x 1" Bore
24" Blade for Aluminum	200T x 1" Bore
Push Force	200 lbs at 40 inches per second
Maximum Push Speed	50 inches per second
Stock Length Capacity	Up to 60 feet

Material Thickness	Cyclone 600 Width Capacity for Common Blade Diameters					
	14" Blade	16" Blade	18" Blade	500mm Blade	22" Blade	24" Blade
0.5	6.97	10.38	13.23	15.42	18.27	20.62
0.75	6.04	9.77	12.76	15.02	17.93	20.32
1	4.89	9.10	12.25	14.59	17.57	20.00
1.25	3.32	8.35	11.70	14.13	17.19	19.67
1.5		7.49	11.10	13.64	16.79	19.32
1.75		6.49	10.44	13.11	16.36	18.95
2		5.25	9.72	12.54	15.90	18.55
2.25		3.56	8.91	11.92	15.42	18.14
2.5			7.98	11.24	14.90	17.70
2.75			6.90	10.50	14.35	17.24
3			5.58	9.68	13.75	16.74
3.25			3.78	8.75	13.11	16.22
3.5				7.68	12.42	15.67
3.75				6.40	11.67	15.08
4				4.75	10.84	14.45
4.25				1.99	9.92	13.77
4.5					8.88	13.03
4.75					7.68	12.24
5					6.20	11.37
5.25					4.20	10.40
5.5						9.30
5.75						8.03
6						6.49

Dimensions: 20.8, 43.8, 57.8, 16.3

Dimensions: 68.9, 36.8, 62.6, 37.1, OUTFEED TABLE LENGTH, STROKE + 24"

System Options & Accessories

- Ink Jet Printer
- Basic or Gang Stop Extension
- Standard or Heavy Duty Gripper
- Rolling Pin Canted Roller

- Tables — Heavy Gauge, Powder Coated Steel
  - Height adjusts from 34.5" to 44.5"
  - Surfaces – 1/4" Solid PVC, PVC Rollers, Steel Rollers