

ANGLEMASTER AUTOMATED ANGLE SAW

BETTER BY DESIGN



Our 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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RAZORGAGE



The RazorGage [AngleMaster](#) is a semi-automatic miter saw fence system that automatically adjusts to cut your leading and trailing angle. The AngleMaster angle saw software with integrated AutoList combines with the computerized miter saw hardware to enable effortless, accurate angle cutting.

The operator selects a cutlist from those downloaded from the office or manually enters the leading and trailing angles, length, & width,

required for a single part. The [RazorGage positioner](#) advances the material and rotates the saw to the correct leading angle. The operator makes sure the clamps are adjusted correctly, cycles the saw, clears any small jamb-prone drops from the table and clicks DONE on the hi-resolution touchscreen. The RazorGage positioner then advances the material and rotates the saw to make the trailing edge cut. Once positioning of material and blade is complete the operator makes sure the material is against the fence and the pusher, engages the clamps, and cycles the saw.

At RazorGage, safety is our top priority. To use the AngleMaster computerized miter saw, the operator must clear each cut part and drop before the machine will advance the material for the next cut. Other safety features include the two-hand anti-tie down buttons. After ensuring that the clamps are not in the path of the saw blade and the blade has automatically rotated to the proper angle, the operator uses the two-hand anti-tie down buttons to cycle the saw.

FEATURES

- ♦ Windows Tower PC operation on a large, color hi-resolution touchscreen monitor
- ♦ Download cutlists directly to the RazorGage AngleMaster computer via Wi-Fi or wired Ethernet cable
- ♦ Store thousands of cutlists on the computerized miter saw software. Optimize cuts to maximize yield
- ♦ Works with any label printer that supports Windows software
- ♦ AngleMaster Angle Saw System comes with a PVC table top. Optional steel or PVC rollers available
- ♦ 2 horizontal and 2 vertical pneumatic clamps
- ♦ Blade mist lubrication standard for cutting aluminum

ANGLEMASTER

Better Software

RazorGage's AngleMaster combines automated material positioning and saw angle control in a powerful two-axis system, delivering fast, accurate production of parts with precise angled cuts. Easily connect any Windows®-compatible label printer to print part labels directly from the system. The optional Custom Label Designer provides unlimited label customization, including variable text, multiple font sizes, barcodes, QR codes, logos, and images, ensuring labels meet your exact requirements.



AngleMaster AutoList streamlines cut-list optimization. Upon opening a file, parts are sorted into groups according to user-defined criteria. Enter the stock length and the software creates an optimized cutting solution to minimize waste. Matching angles are nested and, if allowed, parts are flipped to maximize yield. Press GO and AngleMaster pushes the stock & adjusts the saw angle to achieve specified leading & trailing angle and finished length. Optional Auto 90 package will run square cut groups in full auto mode.

Position: 18.832
DOES NOT ACCOUNT FOR ANGLE
Blade Angle: 120.00° 90°
Move To:

CLOSE FILE chiselmix.r3d

+ - RESTORE
SET MULT RESTORE ALL

Trim: START: 1 END: 0
BAR LENGTH: 289
☐ PARTS CAN BE FLIPPED
OPTIMIZER: Beam Search ?
FIT PARTS & LOAD OUT

Switch to STOP Mode
Stacking: Quantity: 1
Label Printing: ☒ Stack Only ☐ Each Part

UNLOAD
MOVE TO LOW LIMIT
MOVE TO HIGH LIMIT
Units: ☒ Inches ☐ Millimeters
READY TO MOVE

CURRENT GROUP GROUPS COLUMN DISPLAY ALL PARTS CUT HISTORY PRINTER YIELD OPTIONS
QTY LEFT: 35 LENGTH LEFT: 515

id	FILENAME	QTY	ORIG QTY	LEN	LEADANG	TRAILANG	WIDTH	LEADANG2	LEADANG_OFFSET	LengthLeft	Done
1	chisel_mix	4	4	12	90	90	4	0	0	48	☐
2	chisel_mix	3	3	10	45	45	4	0	0	30	☐
3	chisel_mix	2	2	22	45	90	4	135	1.5	44	☐
4	chisel_mix	3	3	10	135	135	4	0	0	30	☐
5	chisel_mix	2	2	16	45						
6	chisel_mix	4	4	8	90						
7	chisel_mix	2	2	18	30						
8	chisel_mix	2	2	14	90						
9	chisel_mix	2	2	20	30						
10	chisel_mix	2	2	18	60						
11	chisel_mix	1	1	26	60						
12	chisel_mix	2	2	24	150						
13	chisel_mix	3	3	9	45						
14	chisel_mix	1	1	28	90						
15	chisel_mix	2	2	15	120						

Number of Parts: 2 Number of Positions: 4
PART# DONE id FILENAME QTY ORIG QTY LEN LEADANG TRAILANG WIDTH LEADANG2 LEADANG_OFFSET INCUTLIST POCKET HOLES DISABLE PRINTING PANEL WIDTHCUT WIDTHLEFT Leng
NO 10 chisel_mix 2 2 18 60 120 4 0 0 0 False False False 0 0 36
NO 15 chisel_mix 2 2 15 120 60 4 0 0 0 False False False 0 0 30
Angle: 120.0° Position: 18.832
PAUSE RUN

AT POSITION 3, CYCLE THE SAW
SAW DONE

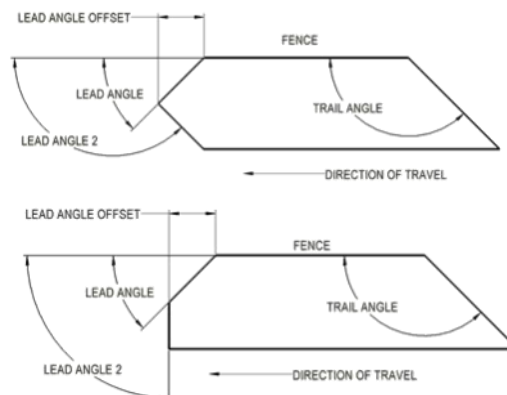
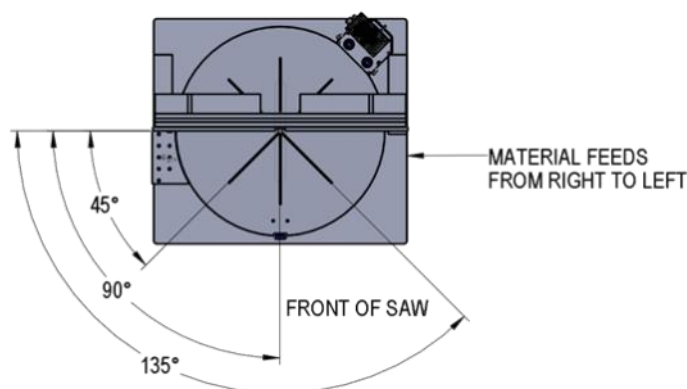
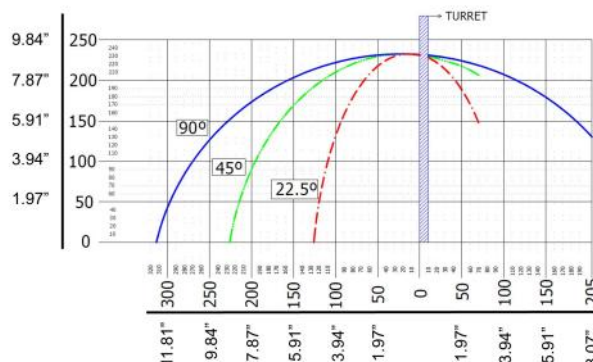
ANGLEMASTER

Options / Specifications

Angle Cutting Range	22° to 160°
Power Requirements	5.5 HP - 230 or 460 VAC, 3-phase (Must Specify)
Dust Collection	4.75" O.D. diameter port (120.65mm) requiring 600 cfm
Compressed Air	Requires 80 - 120 psi (5.5 - 8.27 bar) at 5 cfm (0.14m ³)
Motor RPM	3000
Blade	600mm x 132T; 50mm arbor
Push Force	200 lbs at 10 inches per second
Maximum Push Speed	40 inches per second
Stock Length Capacity	Up to 56 feet

Cutting Capacity			
Material Shape	Material Thickness	90° Cuts	45° Cuts
Round Tube	7"	Yes	No
	6"	Yes	Yes
Round Solid	4"	Yes	No
	4.75"	Yes	Yes
Square Tube	6"	Yes	No
	4.75"	Yes	Yes
Rectangular Tube	11.75" x 5"	Yes	No
	5.75" x 4.75"	Yes	Yes

SUP-600 CAPACITY CHART



System Options & Accessories

- ◆ Articulated Pusher Mounted Gripper
- ◆ Standard or Heavy Duty Gripper
- ◆ Tables – Heavy Gauge, Powder Coated Steel
 - 34.5" to 44.5" in height (*adjustable*)
 - Surfaces – 1/4" Solid PVC, PVC Rollers, Steel Rollers

