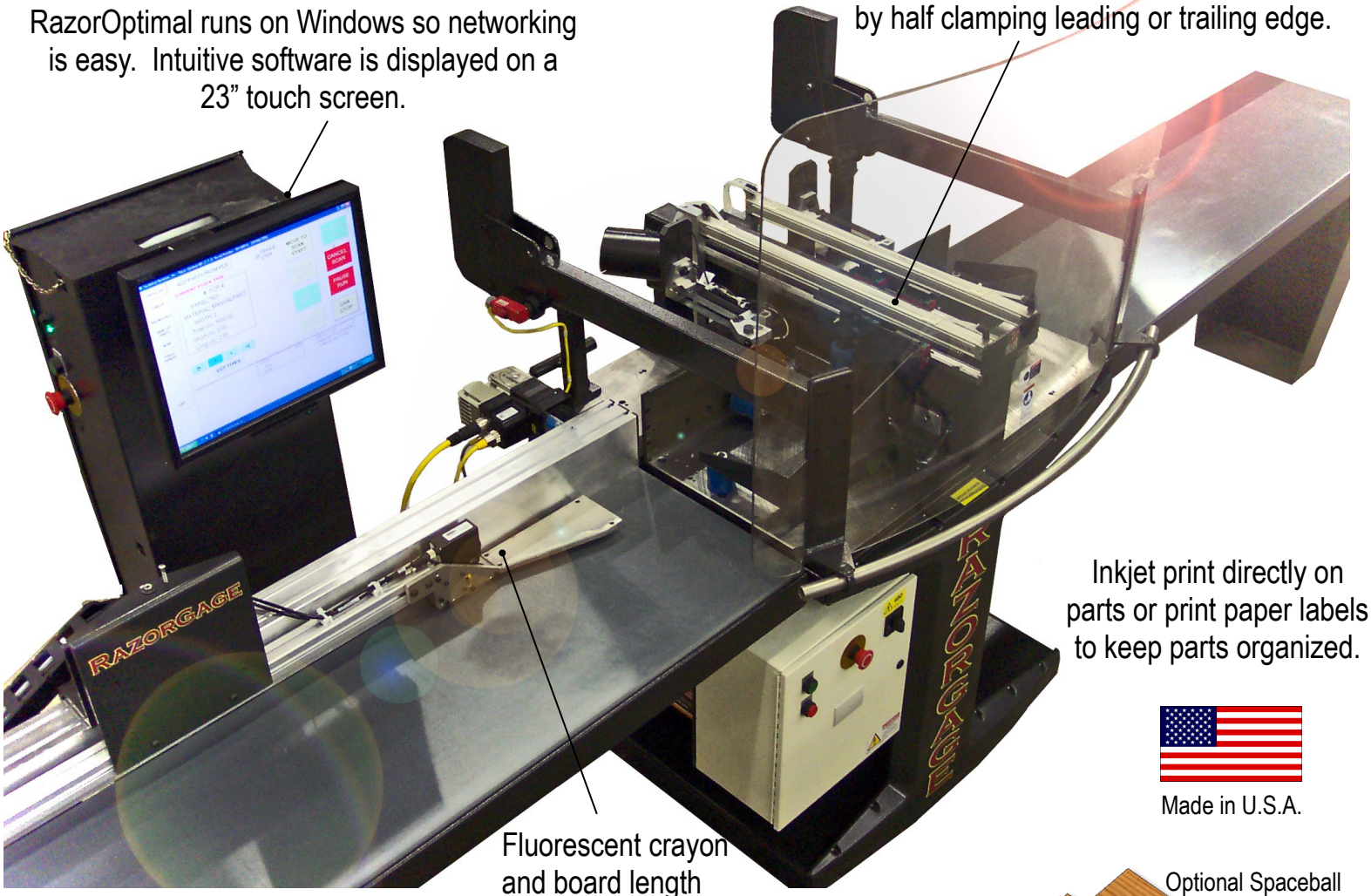
RazorOptimal

The RazorOptimal Systems are offered with either our Cyclone Upcut Saw or the exclusive RazorGage PocketHole Saw. Defecting can be accomplished using a fluorescent crayon. Once stock is scanned for length and the location of defects, the RazorOptimal software creates a cutting solution to optimize lumber yield, and automatically advances the stock to cutting positions while inkjet printing information from the cut-list directly on the stock. On the PocketHole version, pocket holes are bored and lines are scribed at all joining locations. Space Balls can also be inserted on both the Cyclone and Pockethole systems.

Cyclone Optimal

RazorOptimal runs on Windows so networking is easy. Intuitive software is displayed on a 23" touch screen.

Intelligent front roller clamps don't retract between cuts; clamp incoming side only then switch to outfeed side near end of board eliminating scrap parts caused by half clamping leading or trailing edge.

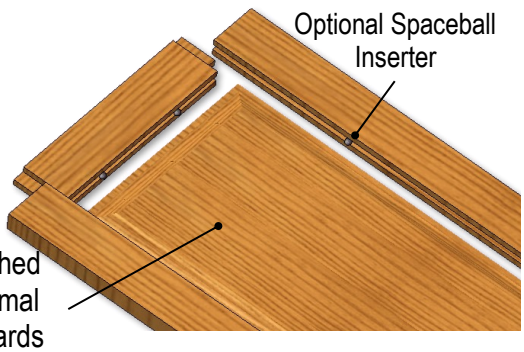


Inkjet print directly on parts or print paper labels to keep parts organized.

Made in U.S.A.

Fluorescent crayon and board length scanning carriage

Direct drive 500mm blade slides on Hiwin Linear bearings for maximum rigidity. Optional 600mm blade can cut up to 1" thick by 20" wide.



From downloaded finished panel sizes, RazorOptimal turns random width boards into parts ready to glue up.

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

PocketHole Optimal

Defect, optimize, cut to length, drill pocket holes, scribe face frame layout marks, and insert space balls on one machine at a rate that exceeds ONE HOUSE PER HOUR.

Made in Ames, Iowa

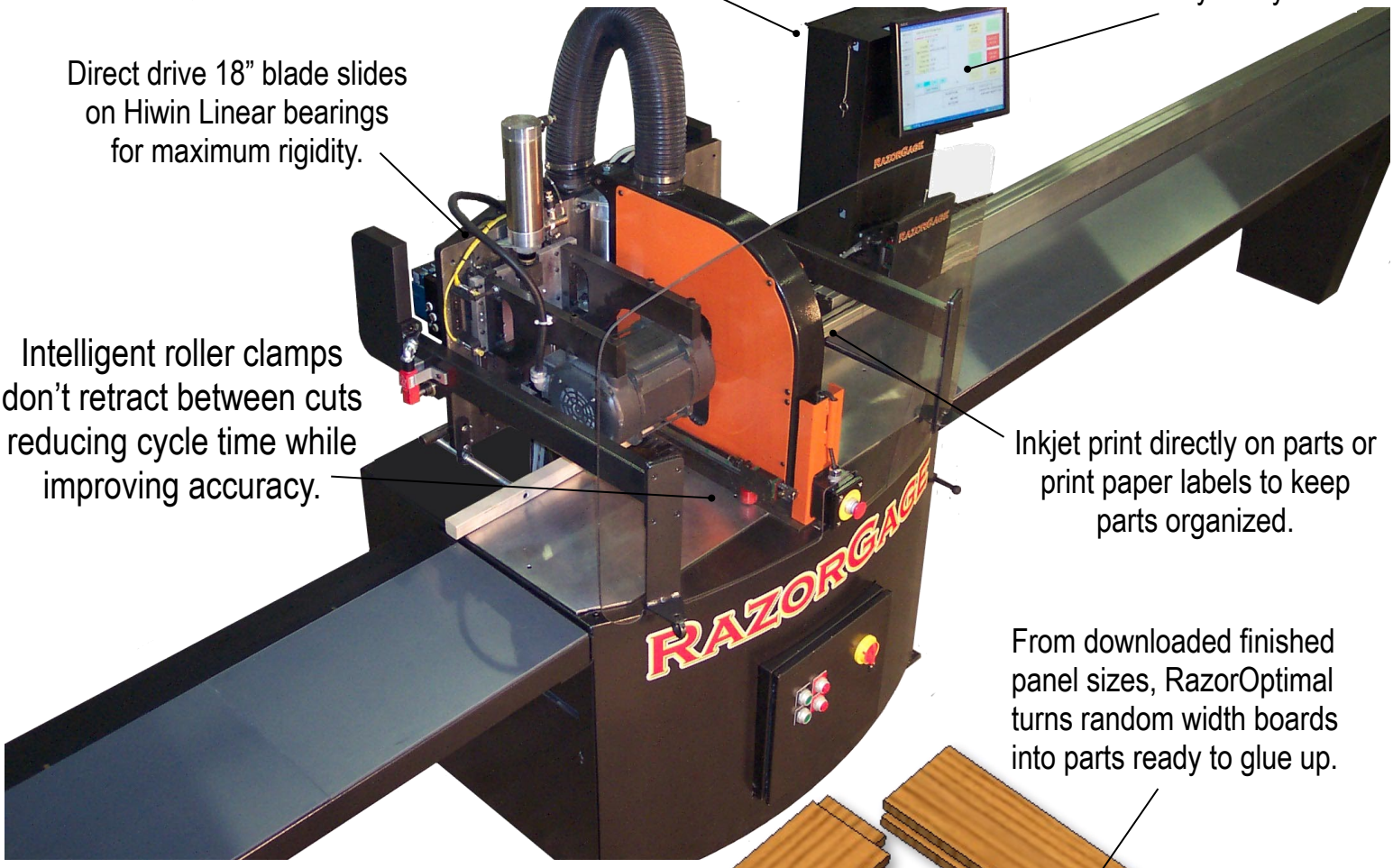
RazorOptimal runs on Windows so networking is easy.

Simple touch screen menus allow for easy access to all the features of your system.

Direct drive 18” blade slides on Hiwin Linear bearings for maximum rigidity.

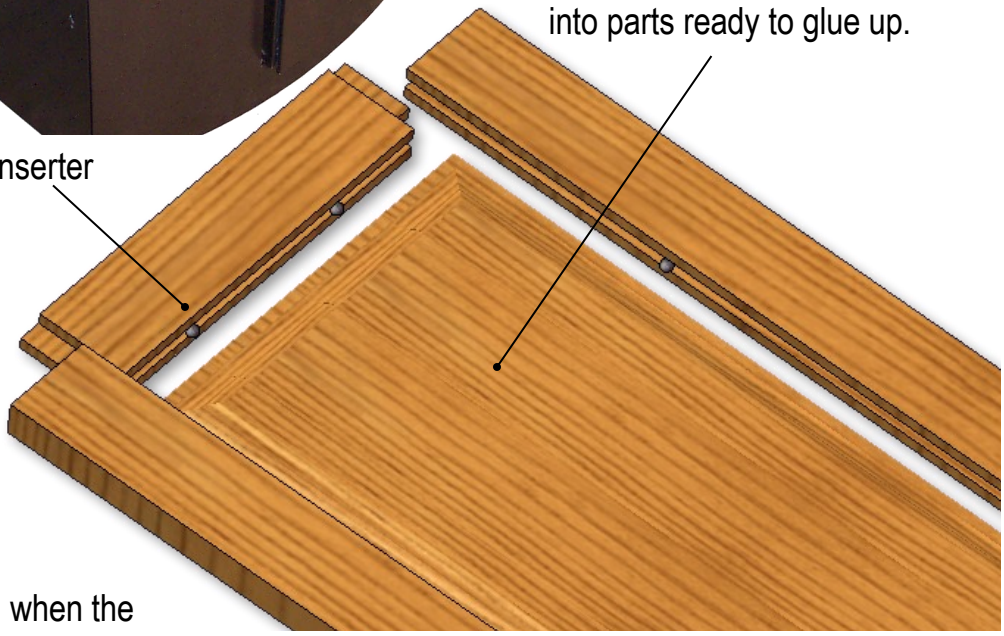
Intelligent roller clamps don’t retract between cuts reducing cycle time while improving accuracy.

Inkjet print directly on parts or print paper labels to keep parts organized.

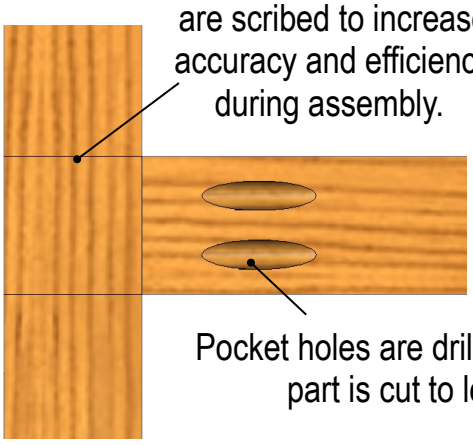


From downloaded finished panel sizes, RazorOptimal turns random width boards into parts ready to glue up.

Optional Spaceball Inserter



Face frame layout marks are scribed to increase accuracy and efficiency during assembly.

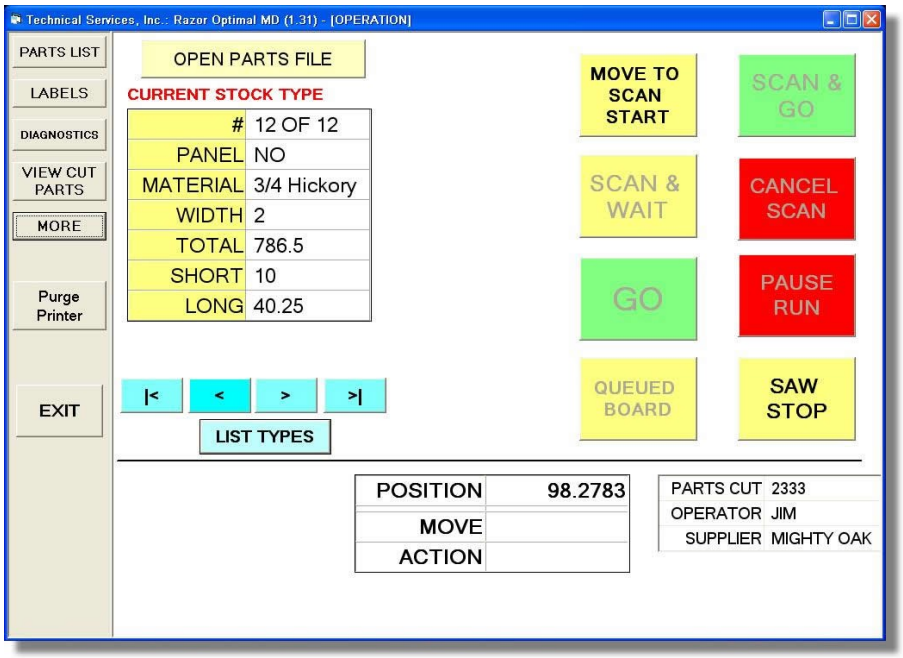


Pocket holes are drilled when the part is cut to length.

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

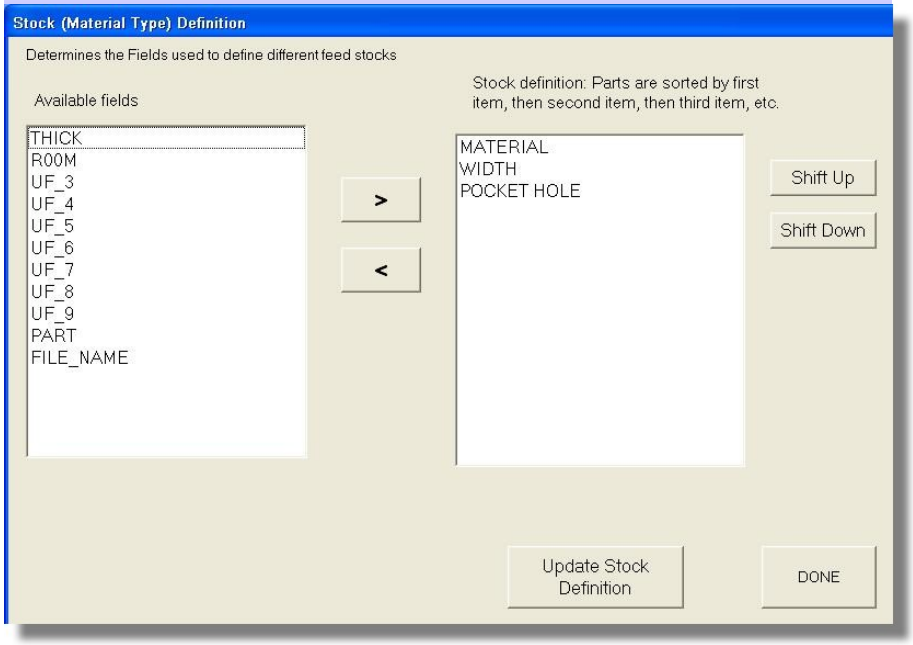
User Friendly Interface

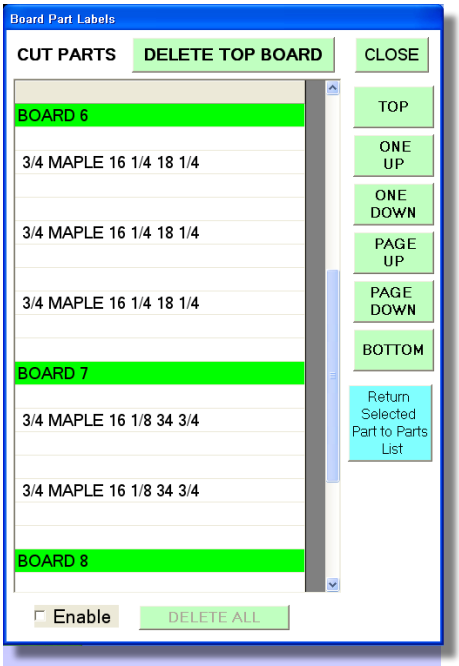
Simple touch screen menus allow for easy access to all the features of your system.



On-screen fluorescent scan results make verification easy.

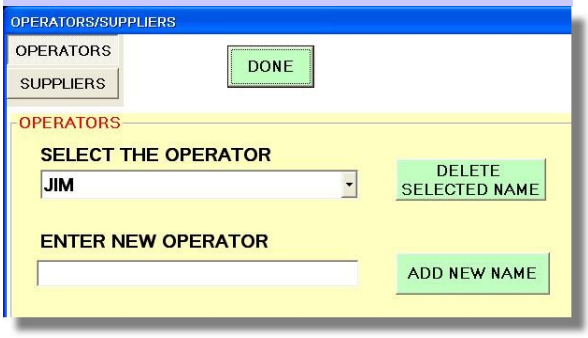
Got a rush job? Want to get all the door rails out first? With RazorOptimal you can re-sort right at the machine.





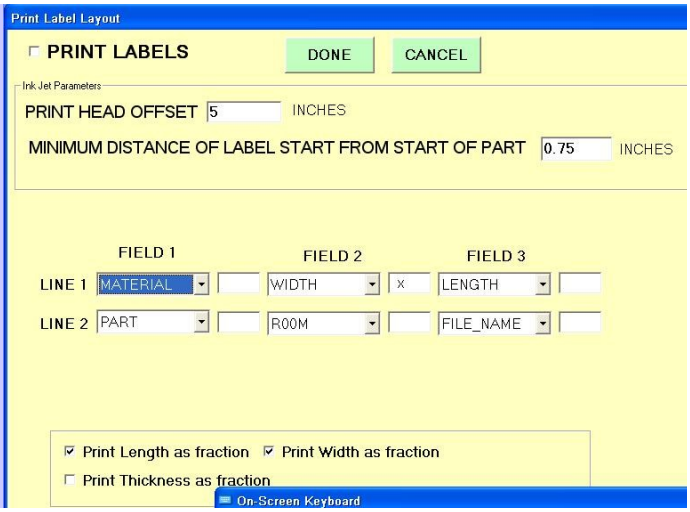
View a list of cut parts and seamlessly add cut parts back into the cutlist.

Track yield & productivity associated with operators and wood suppliers.



Label setup is easy and intuitive.

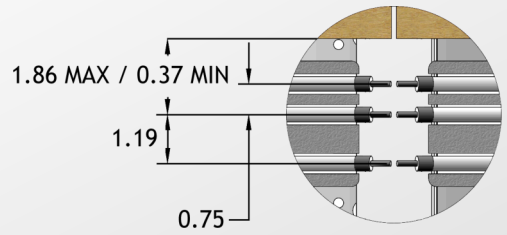
You can even chose to print decimals in fraction format.



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

SPECIFICATIONS

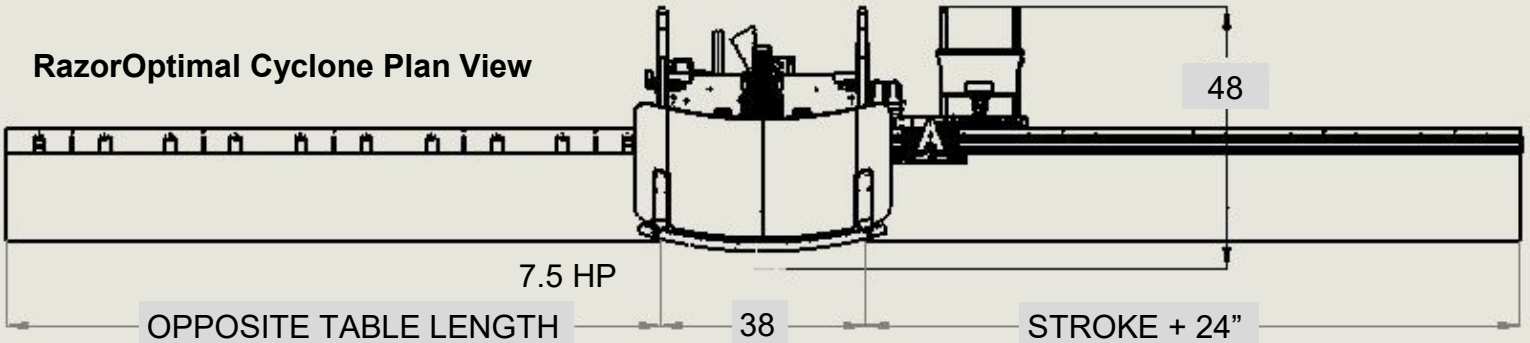
Power Requirement - 120 VAC at 10A
PLUS ONE OF THE FOLLOWING:
Cyclone Saw: 230 VAC 3φ 30A OR 460 VAC 3φ 20A
Pockethole Saw: 230 VAC 3φ 40A OR 460 VAC 3φ 30A
Part Accuracy+/- 0.008" or better
Up to 200 lbs Push Force
21.5" Touch Screen
Network Port AND Wi-Fi
USB Ports
Space Ball Size 260P
Two 4" Dust Ports min 1200 CFM
60 psi min compressed air pressure
Minimum Defect Scanning Width: 1.5"



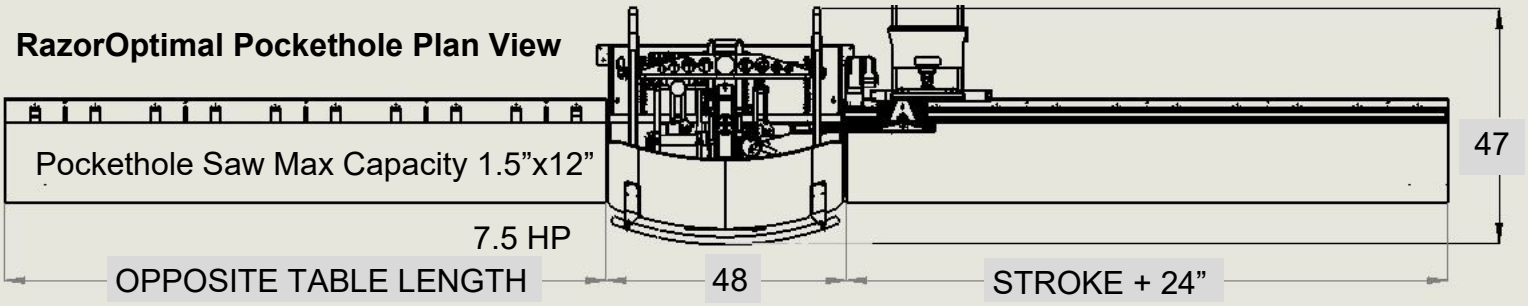
Pockethole Saw Max Capacity 1.5"x12"

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

RazorOptimal Cyclone Plan View



RazorOptimal Pockethole Plan View



RazArray - LEDs indicate in which bin parts belong.

Proudly Made in Ames, Iowa
Phone 515.232.3188
Fax 515.232.2953

Your Local Dealer:

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