



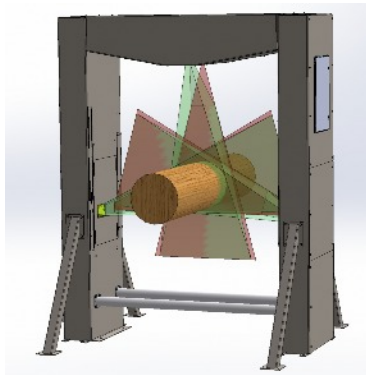
LOG SCANNER OPTIMIZER

Get the highest value for each logs with VABs' LOG SCANNER OPTIMIZER

Scanning Process

VAB's unique 3D Vision profiling sensors are provided with a powerful laser line unit and a camera. While the introduction of the logs into the scanner, the cameras picks up the laser lines on the logs and transfers array of points where the laser is seen.

Below is a schema representing 3 compact sensors scanning area.



Unique advantages of VAB Log Scanner

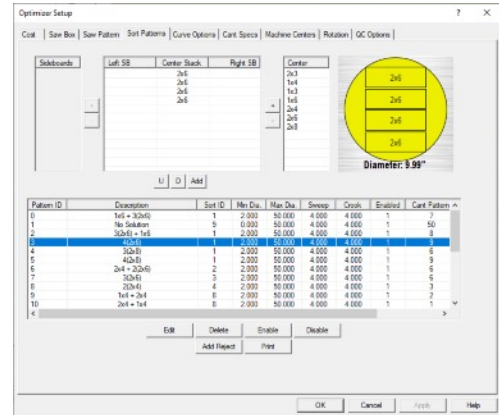
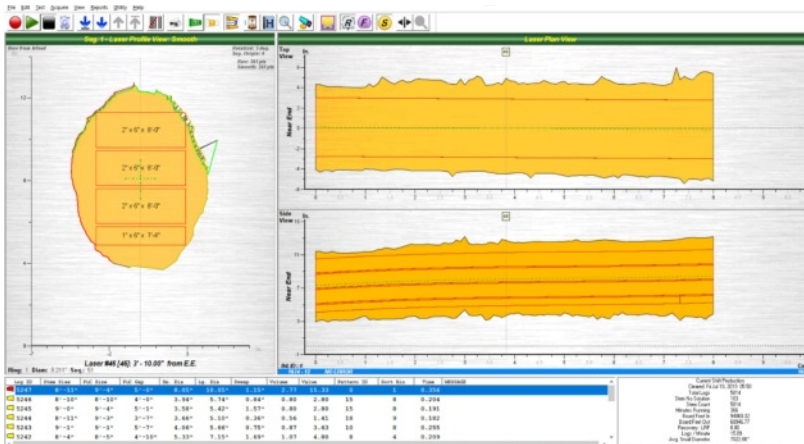
- Configurable sort options to provide a solution pattern for each sort bin.
- Sorts by solution pattern using a complete Optimized solution generated for each log, not just sorting on size and taper.
- True shape scanning at 1" scan density with up to 726 data points per scan.
- Able to scan and solve with a minimal gap (less than 2 feet) at 350 fpm.
- Full reporting capabilities by Product, by Log Length, by Sort Bin.
- All hardware is connected by Ethernet (Lasers, PLC, Optimizer Computer). No expensive interface cards.
- 5-year warranty on the laser heads.
- Best price and service.

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VABs' Log Scanner Interface

A user-friendly interface based on VABs' latest computer technology working on Windows 10 / 64 bit provides all the patterns and parameters needed to achieve your quality and productivity objectives.

The main screen interface provides information on each logs with a 1000 logs history.



The Interface allows to print production reports et run production simulations

Bin Summary												
Bin	Number Of Logs	% Of Total	CuM In	Avg CuM	Volume %	Total BoFt Out	Average BoFt Out	Average Length	Average Diameter	Average Value	Usage CuM / MFB	
0	1	0.03	0.65	0.65	0.02	4.00	4.00	101.00	4.78	1.40	162.50	
1	103	3.28	362.80	3.52	8.65	3,225.64	31.32	104.01	9.26	18.05	112.47	
2	222	7.08	455.39	2.05	10.86	4,402.36	19.83	102.74	6.94	9.28	103.44	
3	178	5.67	435.10	2.44	10.37	4,261.21	23.94	101.47	7.45	11.68	102.11	
4	823	26.24	884.11	1.07	21.08	8,640.87	10.50	103.49	5.42	5.05	102.32	
5	286	9.12	280.02	0.98	6.68	2,717.92	9.50	101.30	4.55	2.83	103.03	
6	506	16.13	720.88	1.42	17.19	6,760.42	13.36	102.03	5.83	5.76	106.63	
7	242	7.71	414.37	1.71	9.88	3,886.07	16.06	102.91	6.37	6.99	106.63	
8	252	8.03	225.31	0.89	5.37	1,967.98	7.81	102.34	4.81	2.73	114.49	
9	388	12.37	290.47	0.75	6.93	2,183.99	5.63	103.48	4.38	1.68	133.00	
Total:	3,001	95.66	4,069.10	1.36	97.02	38,050.46	12.68	102.74	5.66	5.64	106.94	
9	Reject/No Solution	136	4.34	124.98	0.92	2.98	574.02	4.22	104.24	4.92	1.90	217.73
Total:	136	4.34	124.98	0.92	2.98	574.02	4.22	104.24	4.92	1.90	217.73	
Grand Total:	3,137	100.00	4,194.08	1.34	100.00	38,624.48	12.31	102.81	5.63	5.47	108.59	



VAB

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A TIMBER AUTOMATION COMPANY

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