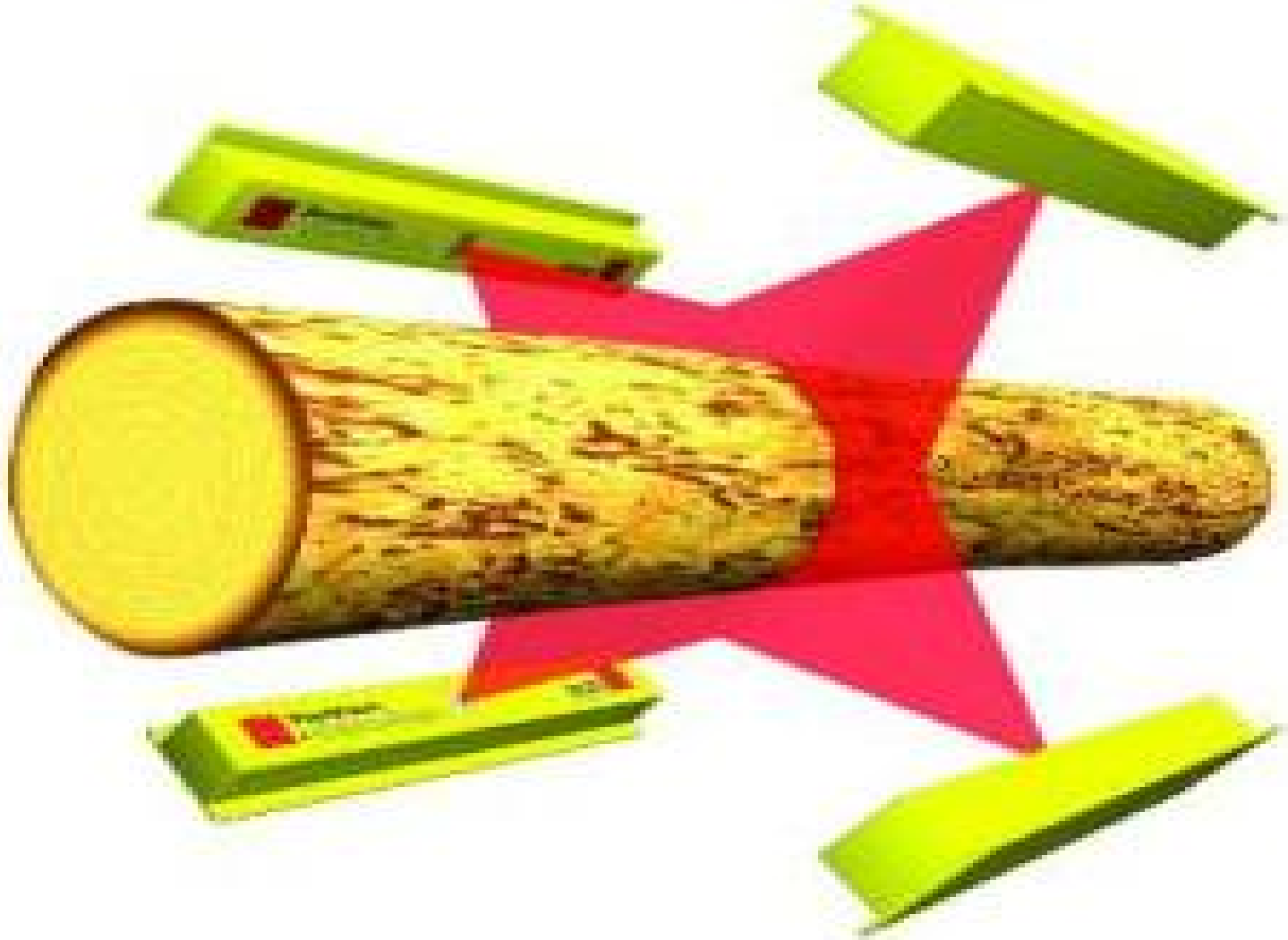
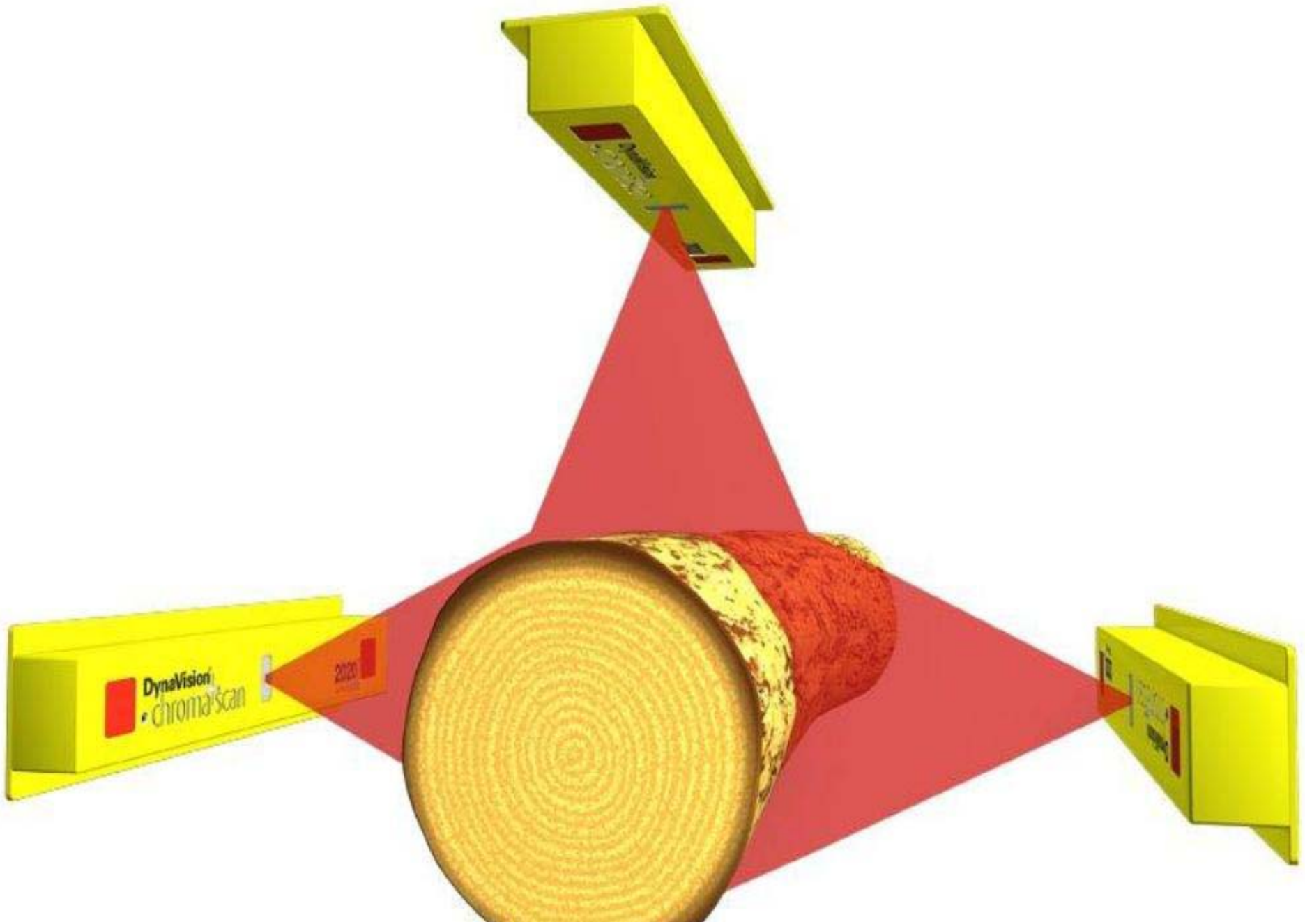
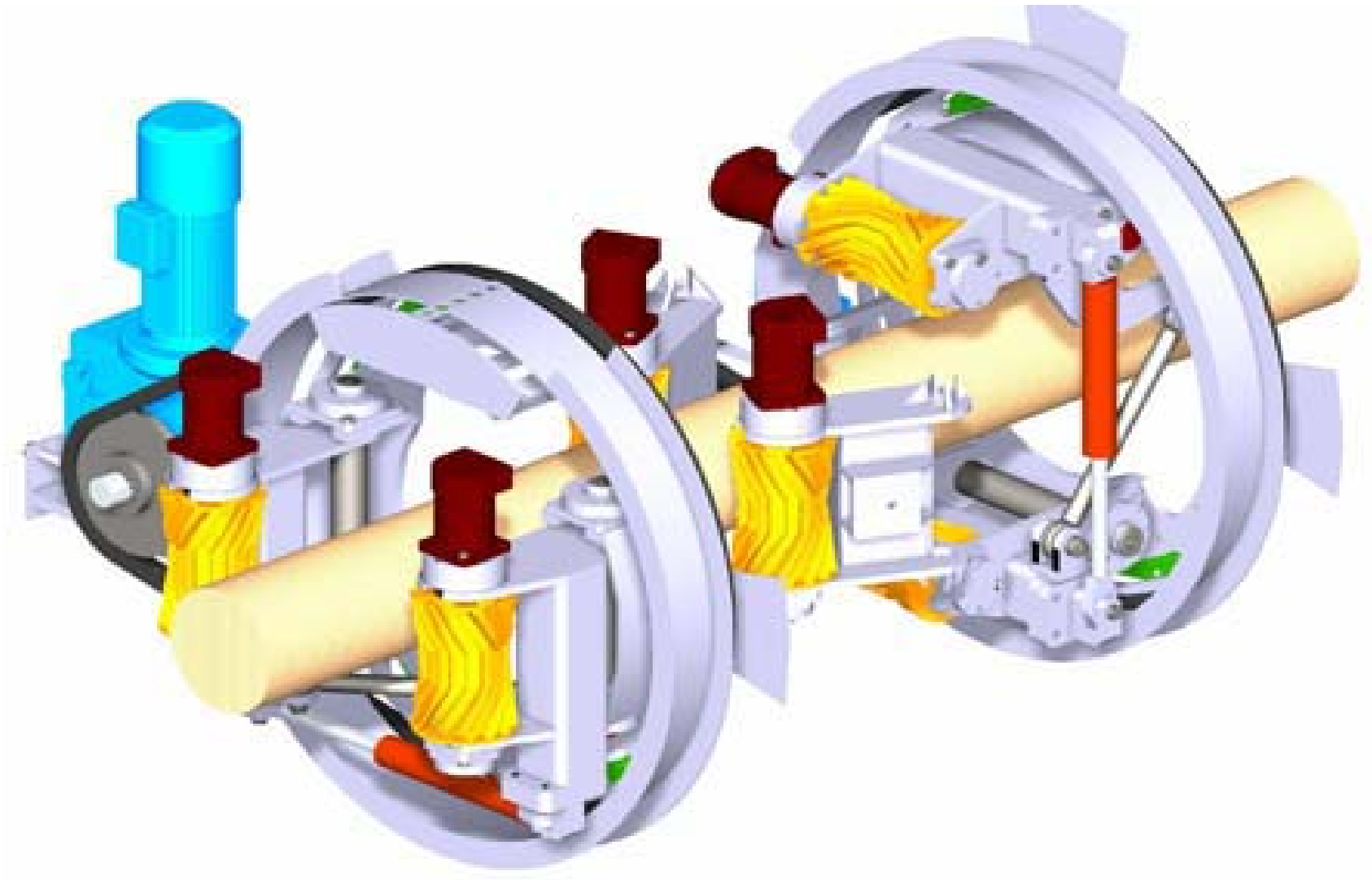
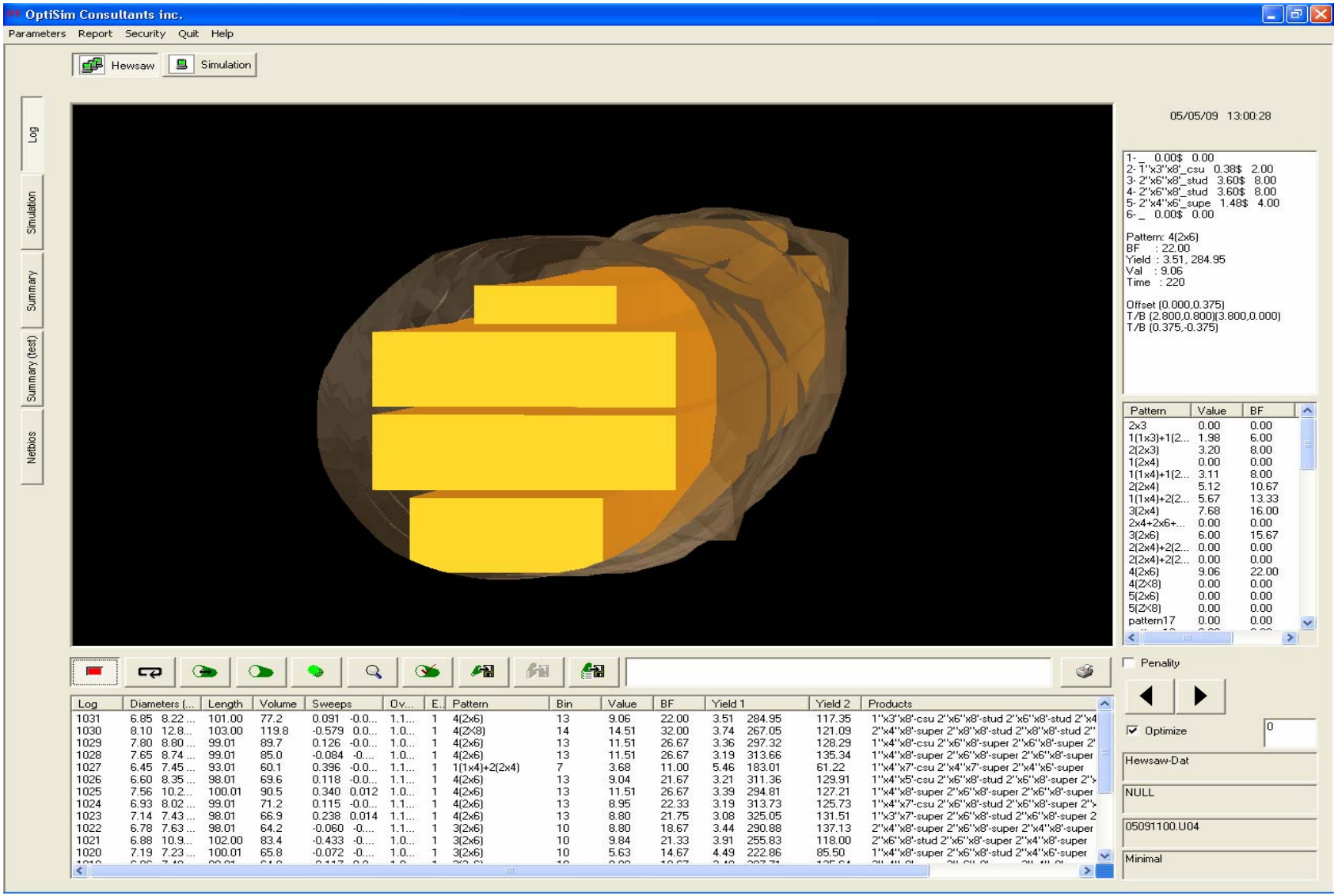

HewSaw

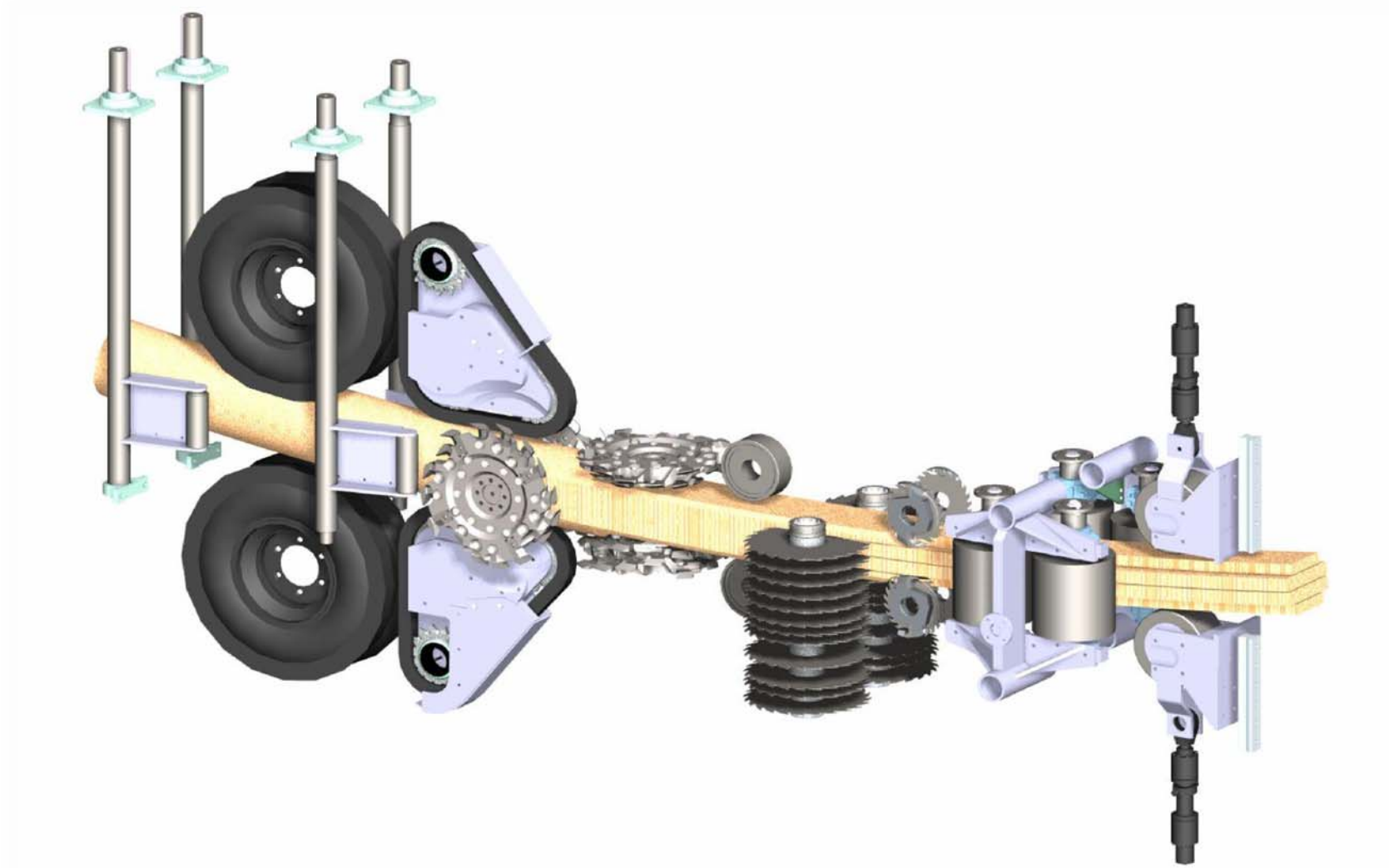

PROLOGIC+
Optimisation ■ Automation
PROLOGIC+




DynaVision
chromaScan




OptiSim Consultants inc.
Parameters Report Security Quit Help
Hewsaw
Simulation
Log
Simulation
Summary
Summary (test)
Netbios
05/05/09 13:00:28
1- _ 0.00$ 0.00
2- 1"x3"x8'_csu 0.38$ 2.00
3- 2"x6"x8'_stud 3.60$ 8.00
4- 2"x6"x8'_stud 3.60$ 8.00
5- 2"x4"x6'_supe 1.48$ 4.00
6- _ 0.00$ 0.00
Pattern: 4(2x6)
BF : 22.00
Yield : 3.51, 284.95
Val : 9.06
Time : 220
Offset (0.000,0.375)
T/B (2.800,0.800)(3.800,0.000)
T/B (0.375,-0.375)
Pattern Value BF
2x3 0.00 0.00
1(1x3)+1(2... 1.98 6.00
2(2x3) 3.20 8.00
1(2x4) 0.00 0.00
1(1x4)+1(2... 3.11 8.00
2(2x4) 5.12 10.67
1(1x4)+2(2... 5.67 13.33
3(2x4) 7.68 16.00
2x4+2x6+... 0.00 0.00
3(2x6) 6.00 15.67
2(2x4)+2(2... 0.00 0.00
2(2x4)+2(2... 0.00 0.00
4(2x6) 9.06 22.00
4(2X8) 0.00 0.00
5(2x6) 0.00 0.00
5(2X8) 0.00 0.00
pattern17 0.00 0.00
Penalty
Optimize
0
Hewsaw-Dat
NULL
05091100.U04
Minimal
Log Diameters (... Length Volume Sweeps Ov... E.. Pattern Bin Value BF Yield 1 Yield 2 Products
1031 6.85 8.22 ... 101.00 77.2 0.091 -0.0... 1.1... 1 4(2x6) 13 9.06 22.00 3.51 284.95 117.35 1"x3"x8'-csu 2"x6"x8'-stud 2"x6"x8'-stud 2"x4
1030 8.10 12.8... 103.00 119.8 -0.579 0.0... 1.0... 1 4(2X8) 14 14.51 32.00 3.74 267.05 121.09 2"x4"x8'-super 2"x8"x8'-stud 2"x8"x8'-stud 2"
1029 7.80 8.80 ... 99.01 89.7 0.126 -0.0... 1.0... 1 4(2x6) 13 11.51 26.67 3.36 297.32 128.29 1"x4"x8'-csu 2"x6"x8'-super 2"x6"x8'-super 2"
1028 7.65 8.74 ... 99.01 85.0 -0.084 -0.... 1.0... 1 4(2x6) 13 11.51 26.67 3.19 313.66 135.34 1"x4"x8'-super 2"x6"x8'-super 2"x6"x8'-super
1027 6.45 7.45 ... 93.01 60.1 0.396 -0.0... 1.1... 1 1(1x4)+2(2x4) 7 3.68 11.00 5.46 183.01 61.22 1"x4"x7'-csu 2"x4"x7'-super 2"x4"x6'-super
1026 6.60 8.35 ... 98.01 69.6 0.118 -0.0... 1.1... 1 4(2x6) 13 9.04 21.67 3.21 311.36 129.91 1"x4"x5'-csu 2"x6"x8'-stud 2"x6"x8'-super 2"
1025 7.56 10.2... 100.01 90.5 0.340 0.012 1.0... 1 4(2x6) 13 11.51 26.67 3.39 294.81 127.21 1"x4"x8'-super 2"x6"x8'-super 2"x6"x8'-super
1024 6.93 8.02 ... 99.01 71.2 0.115 -0.0... 1.1... 1 4(2x6) 13 8.95 22.33 3.19 313.73 125.73 1"x4"x7'-csu 2"x6"x8'-stud 2"x6"x8'-super 2"
1023 7.14 7.43 ... 98.01 66.9 0.238 0.014 1.1... 1 4(2x6) 13 8.80 21.75 3.08 325.05 131.51 1"x3"x7'-super 2"x6"x8'-stud 2"x6"x8'-super 2
1022 6.78 7.63 ... 98.01 64.2 -0.060 -0.... 1.1... 1 3(2x6) 10 8.80 18.67 3.44 290.88 137.13 2"x4"x8'-super 2"x6"x8'-super 2"x4"x8'-super
1021 6.88 10.9... 102.00 83.4 -0.433 -0.... 1.0... 1 3(2x6) 10 9.84 21.33 3.91 255.83 118.00 2"x6"x8'-stud 2"x6"x8'-super 2"x4"x8'-super
1020 7.19 7.23 ... 100.01 65.8 -0.072 -0.... 1.0... 1 3(2x6) 10 5.63 14.67 4.49 222.86 85.50 1"x4"x8'-super 2"x6"x8'-stud 2"x4"x6'-super

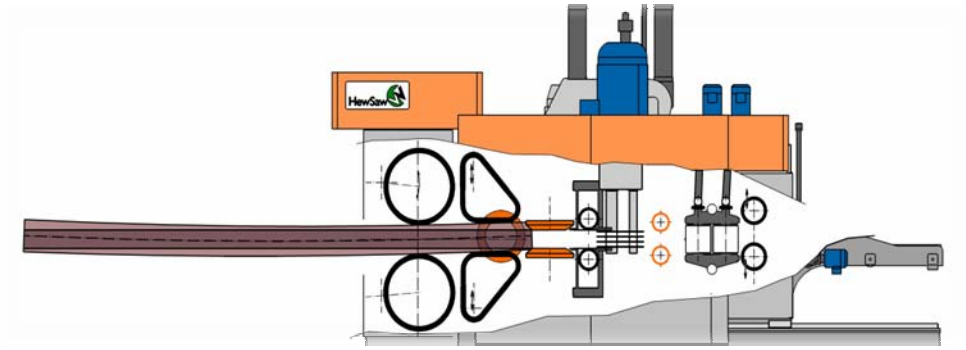


Hardwood and small wood using the same equipment

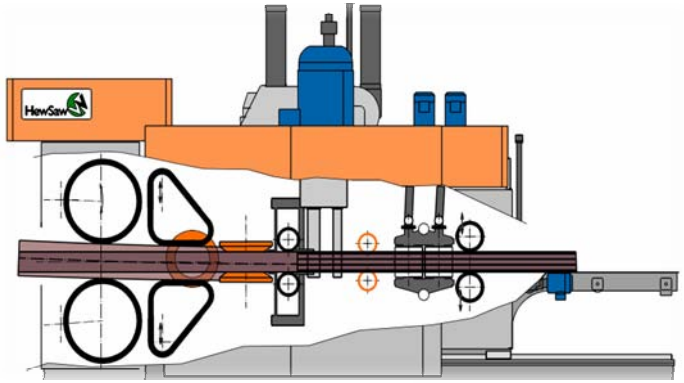
Menu

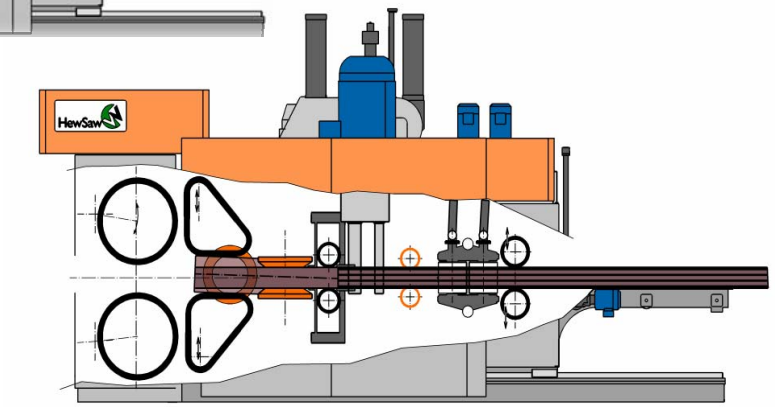
Products

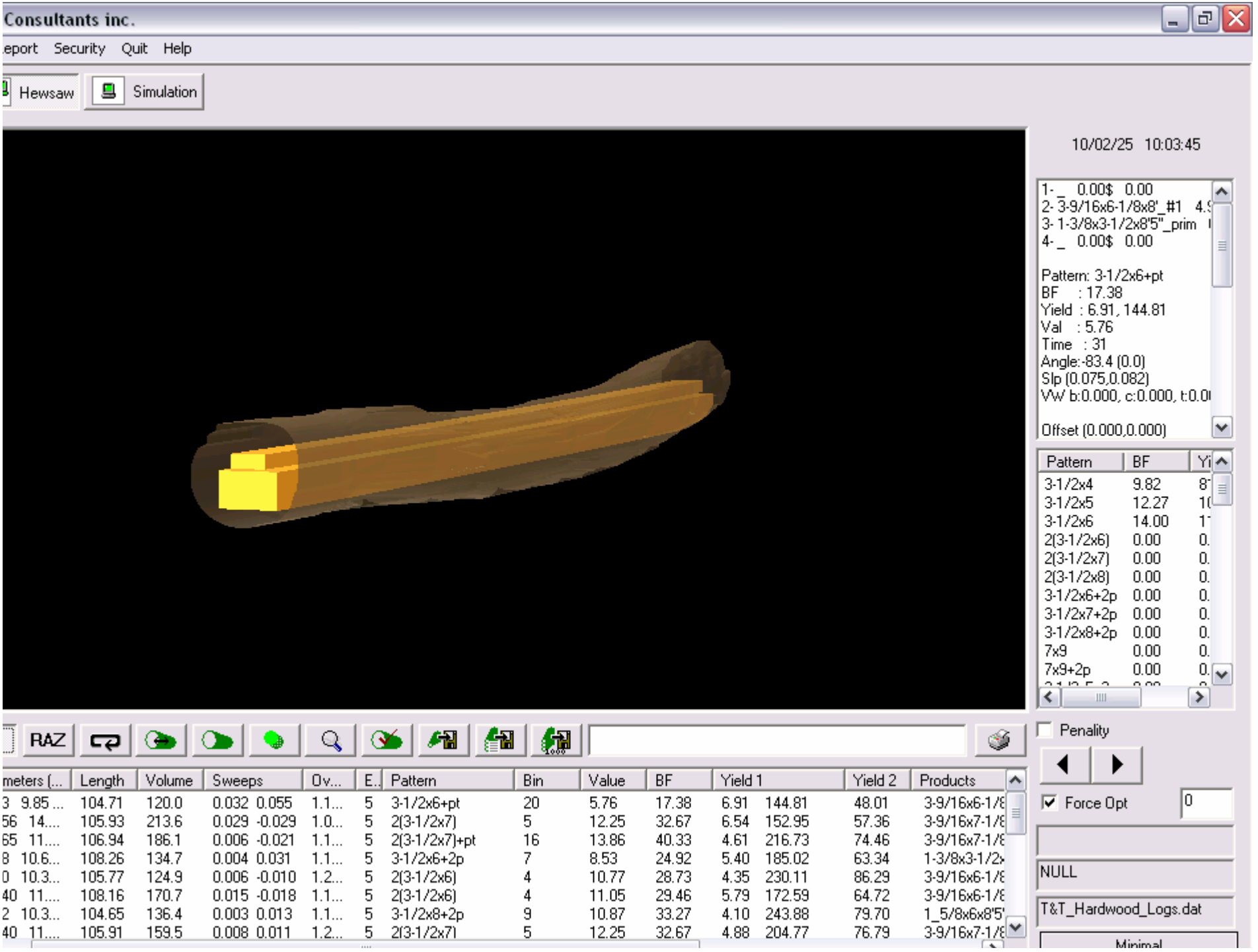
STRAIGHT-SAWING

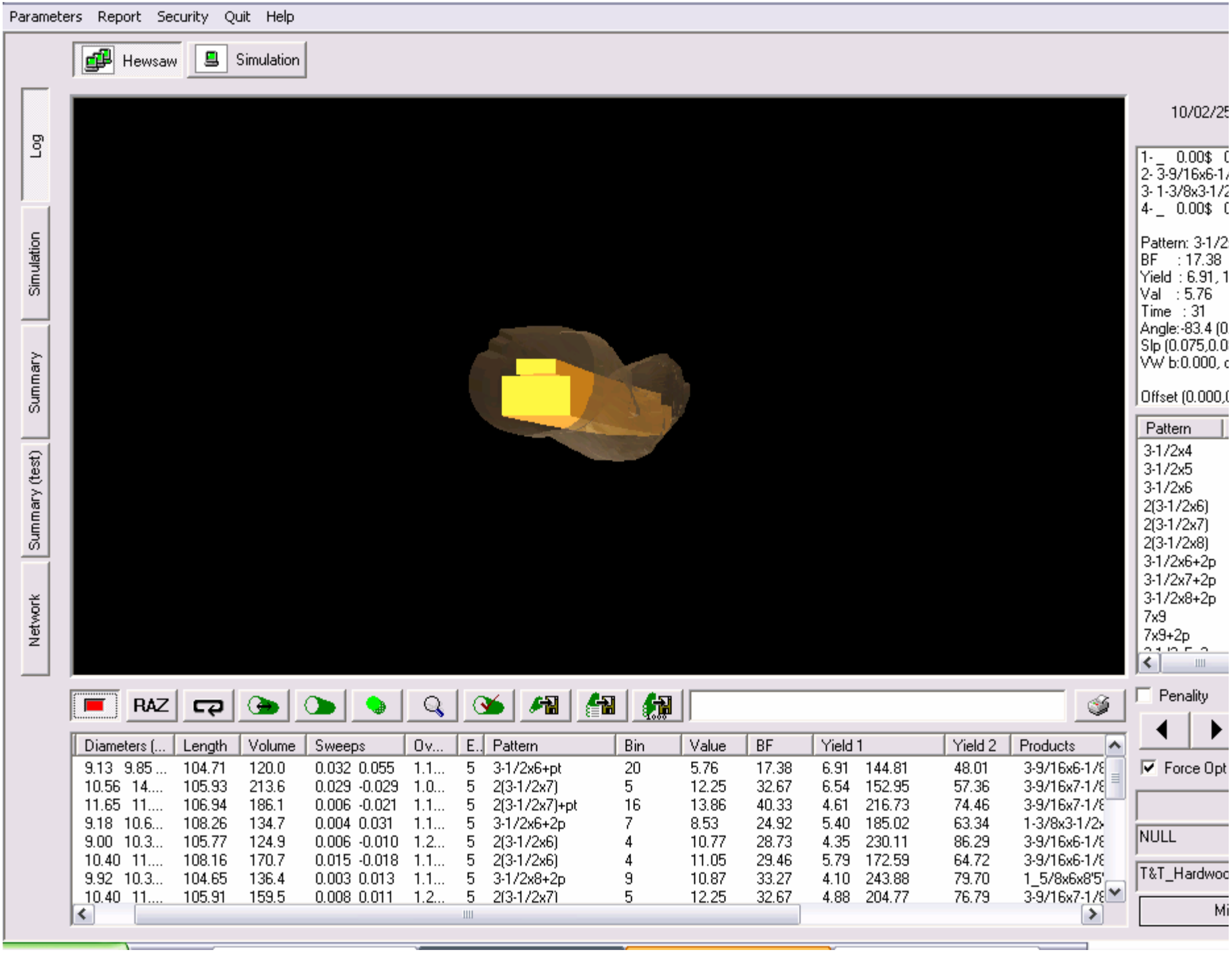


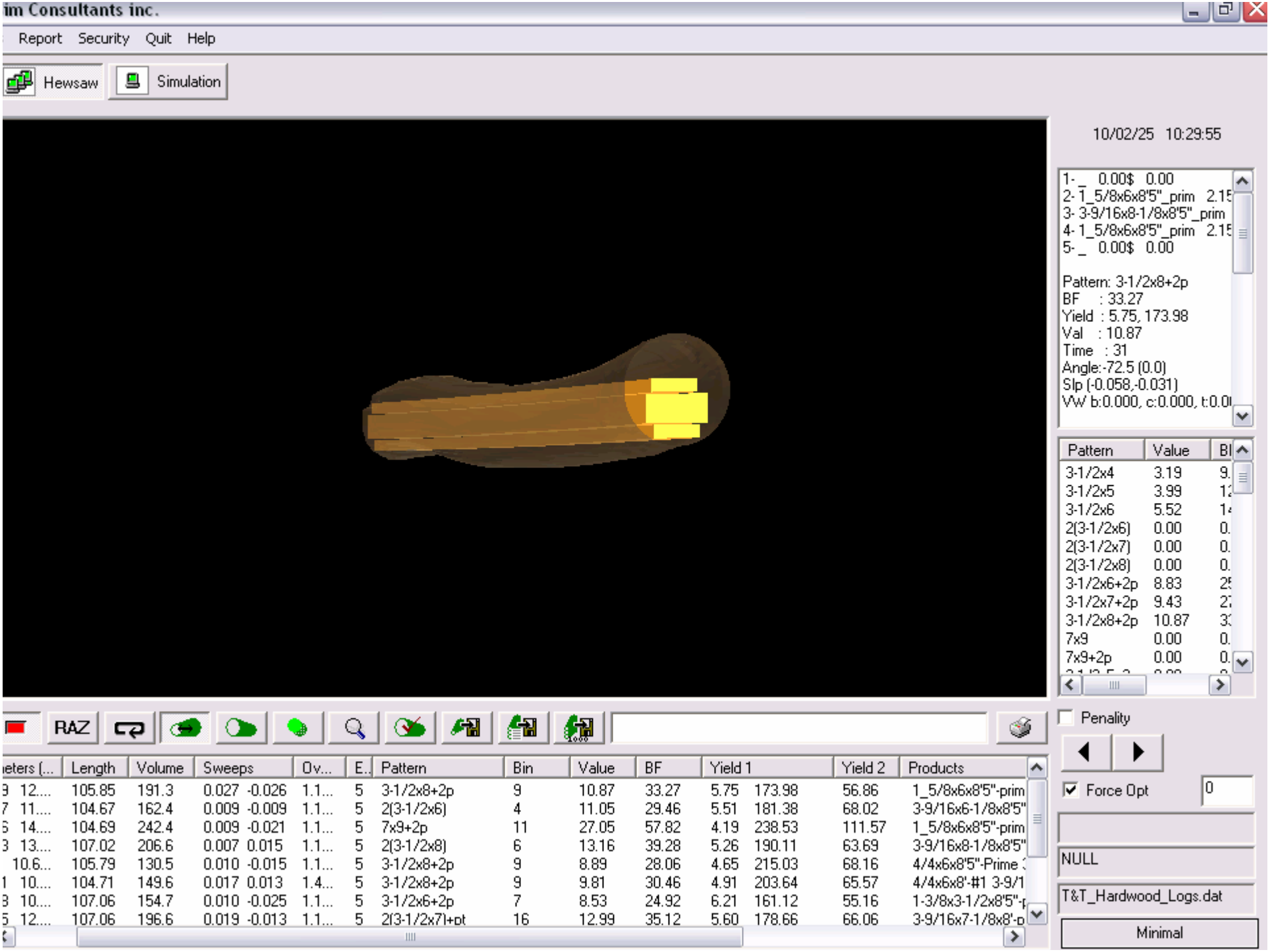
All breakdown machines can be controlled to reduce the curve-sawing or produce a straight cant from a curved log

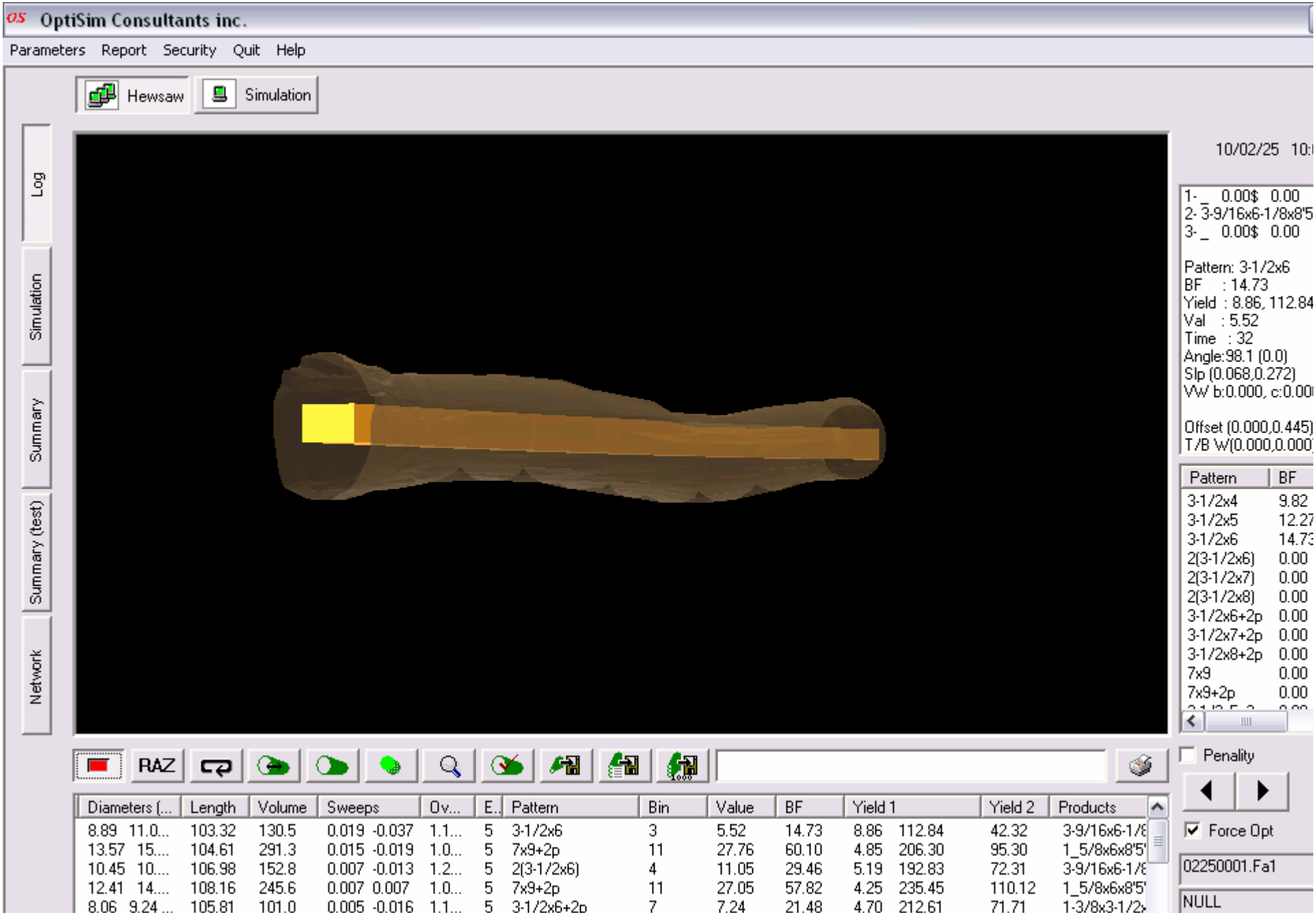





Consultants inc.
eport Security Quit Help
Hewsaw
Simulation
10/02/25 10:03:45
1- _ 0.00$ 0.00
2- 3-9/16x6-1/8x8'_#1
3- 1-3/8x3-1/2x8'5"_prim
4- _ 0.00$ 0.00
Pattern: 3-1/2x6+pt
BF : 17.38
Yield : 6.91, 144.81
Val : 5.76
Time : 31
Angle:-83.4 (0.0)
Slp (0.075,0.082)
Offset (0.000,0.000)
Pattern BF
3-1/2x4 9.82
3-1/2x5 12.27
3-1/2x6 14.00
2(3-1/2x6) 0.00
2(3-1/2x7) 0.00
2(3-1/2x8) 0.00
3-1/2x6+2p 0.00
3-1/2x7+2p 0.00
3-1/2x8+2p 0.00
7x9 0.00
7x9+2p 0.00
RAZ
Penality
Force Opt
0
NULL
T&T_Hardwood_Logs.dat
Minimal
meters (... Length Volume Sweeps Ov... E.. Pattern Bin Value BF Yield 1 Yield 2 Products
3 9.85 ... 104.71 120.0 0.032 0.055 1.1... 5 3-1/2x6+pt 20 5.76 17.38 6.91 144.81 48.01 3-9/16x6-1/8
56 14.... 105.93 213.6 0.029 -0.029 1.0... 5 2(3-1/2x7) 5 12.25 32.67 6.54 152.95 57.36 3-9/16x7-1/8
65 11.... 106.94 186.1 0.006 -0.021 1.1... 5 2(3-1/2x7)+pt 16 13.86 40.33 4.61 216.73 74.46 3-9/16x7-1/8
8 10.6... 108.26 134.7 0.004 0.031 1.1... 5 3-1/2x6+2p 7 8.53 24.92 5.40 185.02 63.34 1-3/8x3-1/2x
0 10.3... 105.77 124.9 0.006 -0.010 1.2... 5 2(3-1/2x6) 4 10.77 28.73 4.35 230.11 86.29 3-9/16x6-1/8
40 11.... 108.16 170.7 0.015 -0.018 1.1... 5 2(3-1/2x6) 4 11.05 29.46 5.79 172.59 64.72 3-9/16x6-1/8
2 10.3... 104.65 136.4 0.003 0.013 1.1... 5 3-1/2x8+2p 9 10.87 33.27 4.10 243.88 79.70 1_5/8x6x8'5
40 11.... 105.91 159.5 0.008 0.011 1.2... 5 2(3-1/2x7) 5 12.25 32.67 4.88 204.77 76.79 3-9/16x7-1/8


Parameters
Report
Security
Quit
Help
Hewsaw
Simulation
Log
Simulation
Summary
Summary (test)
Network
10/02/25
1- _ 0.00$
2- 3-9/16x6-1
3- 1-3/8x3-1/2
4- _ 0.00$
Pattern: 3-1/2
BF : 17.38
Yield : 6.91, 1
Val : 5.76
Time : 31
Angle:-83.4 (0
Slp (0.075,0.0
VW b:0.000,
Offset (0.000,
Pattern
3-1/2x4
3-1/2x5
3-1/2x6
2(3-1/2x6)
2(3-1/2x7)
2(3-1/2x8)
3-1/2x6+2p
3-1/2x7+2p
3-1/2x8+2p
7x9
7x9+2p
RAZ
Penality
Force Opt
NULL
T&T_Hardwoo
Diameters (...
Length
Volume
Sweeps
Ov...
E..
Pattern
Bin
Value
BF
Yield 1
Yield 2
Products
9.13 9.85 ...
104.71
120.0
0.032 0.055
1.1...
5
3-1/2x6+pt
20
5.76
17.38
6.91 144.81
48.01
3-9/16x6-1/8
10.56 14....
105.93
213.6
0.029 -0.029
1.0...
5
2(3-1/2x7)
5
12.25
32.67
6.54 152.95
57.36
3-9/16x7-1/8
11.65 11....
106.94
186.1
0.006 -0.021
1.1...
5
2(3-1/2x7)+pt
16
13.86
40.33
4.61 216.73
74.46
3-9/16x7-1/8
9.18 10.6...
108.26
134.7
0.004 0.031
1.1...
5
3-1/2x6+2p
7
8.53
24.92
5.40 185.02
63.34
1-3/8x3-1/2
9.00 10.3...
105.77
124.9
0.006 -0.010
1.2...
5
2(3-1/2x6)
4
10.77
28.73
4.35 230.11
86.29
3-9/16x6-1/8
10.40 11....
108.16
170.7
0.015 -0.018
1.1...
5
2(3-1/2x6)
4
11.05
29.46
5.79 172.59
64.72
3-9/16x6-1/8
9.92 10.3...
104.65
136.4
0.003 0.013
1.1...
5
3-1/2x8+2p
9
10.87
33.27
4.10 243.88
79.70
1_5/8x6x8'5'
10.40 11....
105.91
159.5
0.008 0.011
1.2...
5
2(3-1/2x7)
5
12.25
32.67
4.88 204.77
76.79
3-9/16x7-1/8


im Consultants inc.
Report Security Quit Help
Hewsaw
Simulation
10/02/25 10:29:55
1- _ 0.00$ 0.00
2- 1_5/8x6x8'5"_prim 2.15
3- 3-9/16x8-1/8x8'5"_prim
4- 1_5/8x6x8'5"_prim 2.15
5- _ 0.00$ 0.00
Pattern: 3-1/2x8+2p
BF : 33.27
Yield : 5.75, 173.98
Val : 10.87
Time : 31
Angle:-72.5 (0.0)
Slp (-0.058,-0.031)
VW b:0.000, c:0.000, t:0.0
Pattern Value
3-1/2x4 3.19
3-1/2x5 3.99
3-1/2x6 5.52
2(3-1/2x6) 0.00
2(3-1/2x7) 0.00
2(3-1/2x8) 0.00
3-1/2x6+2p 8.83
3-1/2x7+2p 9.43
3-1/2x8+2p 10.87
7x9 0.00
7x9+2p 0.00
RAZ
Penality
Force Opt
0
NULL
T&T_Hardwood_Logs.dat
Minimal
Length Volume Sweeps Ov... E.. Pattern Bin Value BF Yield 1 Yield 2 Products
105.85 191.3 0.027 -0.026 1.1... 5 3-1/2x8+2p 9 10.87 33.27 5.75 173.98 56.86 1_5/8x6x8'5"-prim
104.67 162.4 0.009 -0.009 1.1... 5 2(3-1/2x6) 4 11.05 29.46 5.51 181.38 68.02 3-9/16x6-1/8x8'5"
104.69 242.4 0.009 -0.021 1.1... 5 7x9+2p 11 27.05 57.82 4.19 238.53 111.57 1_5/8x6x8'5"-prim
107.02 206.6 0.007 0.015 1.1... 5 2(3-1/2x8) 6 13.16 39.28 5.26 190.11 63.69 3-9/16x8-1/8x8'5"
105.79 130.5 0.010 -0.015 1.1... 5 3-1/2x8+2p 9 8.89 28.06 4.65 215.03 68.16 4/4x6x8'5"-Prime
104.71 149.6 0.017 0.013 1.4... 5 3-1/2x8+2p 9 9.81 30.46 4.91 203.64 65.57 4/4x6x8'-#1 3-9/1
107.06 154.7 0.010 -0.025 1.1... 5 3-1/2x6+2p 7 8.53 24.92 6.21 161.12 55.16 1-3/8x3-1/2x8'5"-
107.06 196.6 0.019 -0.013 1.1... 5 2(3-1/2x7)+pt 16 12.99 35.12 5.60 178.66 66.06 3-9/16x7-1/8x8'-p


OptiSim Consultants inc.
Parameters Report Security Quit Help
Hewsaw
Simulation
Log
Simulation
Summary
Summary (test)
Network
10/02/25 10:
1- _ 0.00$ 0.00
2- 3-9/16x6-1/8x8'5
3- _ 0.00$ 0.00
Pattern: 3-1/2x6
BF : 14.73
Yield : 8.86, 112.84
Val : 5.52
Time : 32
Angle:98.1 (0.0)
Slp (0.068,0.272)
VW b:0.000, c:0.00
Offset (0.000,0.445)
T/B W(0.000,0.000
Pattern BF
3-1/2x4 9.82
3-1/2x5 12.27
3-1/2x6 14.73
2(3-1/2x6) 0.00
2(3-1/2x7) 0.00
2(3-1/2x8) 0.00
3-1/2x6+2p 0.00
3-1/2x7+2p 0.00
3-1/2x8+2p 0.00
7x9 0.00
7x9+2p 0.00
RAZ
Penality
Force Opt
02250001.Fa1
NULL
Diameters (... Length Volume Sweeps Ov... E.. Pattern Bin Value BF Yield 1 Yield 2 Products
8.89 11.0... 103.32 130.5 0.019 -0.037 1.1... 5 3-1/2x6 3 5.52 14.73 8.86 112.84 42.32 3-9/16x6-1/8
13.57 15.... 104.61 291.3 0.015 -0.019 1.0... 5 7x9+2p 11 27.76 60.10 4.85 206.30 95.30 1_5/8x6x8'5'
10.45 10.... 106.98 152.8 0.007 -0.013 1.2... 5 2(3-1/2x6) 4 11.05 29.46 5.19 192.83 72.31 3-9/16x6-1/8
12.41 14.... 108.16 245.6 0.007 0.007 1.0... 5 7x9+2p 11 27.05 57.82 4.25 235.45 110.12 1_5/8x6x8'5'
8.06 9.24 ... 105.81 101.0 0.005 -0.016 1.1... 5 3-1/2x6+2p 7 7.24 21.48 4.70 212.61 71.71 1-3/8x3-1/2

Report Security Quit Help

Hewsaw | Simulation

10/02/25 10:04:34

1- _ 0.00$ 0.00
2- 3-9/16x6-1/8x8'_#1 4.
3- 1-3/8x3-1/2x8'5"_prim
4- _ 0.00$ 0.00

Pattern: 3-1/2x6+pt
BF : 17.38
Yield : 6.91, 144.81
Val : 5.76
Time : 31
Angle:-83.4 (0.0)
Slp (0.075,0.082)
VW b:0.000, c:0.000, t:0.0
Offset (0.000,0.000)

Pattern	BF	Yi
3-1/2x4	9.82	8
3-1/2x5	12.27	1
3-1/2x6	14.00	1
2(3-1/2x6)	0.00	0.
2(3-1/2x7)	0.00	0.
2(3-1/2x8)	0.00	0.
3-1/2x6+2p	0.00	0.
3-1/2x7+2p	0.00	0.
3-1/2x8+2p	0.00	0.
7x9	0.00	0.
7x9+2p	0.00	0.

RAZ

Penality

Force Opt 0

NULL

T&T_Hardwood_Logs.dat

Minimal

Diameters (...	Length	Volume	Sweeps	Ov...	E..	Pattern	Bin	Value	BF	Yield 1		Yield 2	Products
9.13 9.85 ...	104.71	120.0	0.032 0.055	1.1...	5	3-1/2x6+pt	20	5.76	17.38	6.91	144.81	48.01	3-9/16x6-1/8
10.56 14....	105.93	213.6	0.029 -0.029	1.0...	5	2(3-1/2x7)	5	12.25	32.67	6.54	152.95	57.36	3-9/16x7-1/8
11.65 11....	106.94	186.1	0.006 -0.021	1.1...	5	2(3-1/2x7)+pt	16	13.86	40.33	4.61	216.73	74.46	3-9/16x7-1/8
9.18 10.6...	108.26	134.7	0.004 0.031	1.1...	5	3-1/2x6+2p	7	8.53	24.92	5.40	185.02	63.34	1-3/8x3-1/2
9.00 10.3...	105.77	124.9	0.006 -0.010	1.2...	5	2(3-1/2x6)	4	10.77	28.73	4.35	230.11	86.29	3-9/16x6-1/8
10.40 11....	108.16	170.7	0.015 -0.018	1.1...	5	2(3-1/2x6)	4	11.05	29.46	5.79	172.59	64.72	3-9/16x6-1/8
9.92 10.3...	104.65	136.4	0.003 0.013	1.1...	5	3-1/2x8+2p	9	10.87	33.27	4.10	243.88	79.70	1_5/8x6x8'5
10.40 11....	105.91	159.5	0.008 0.011	1.2...	5	2(3-1/2x7)	5	12.25	32.67	4.88	204.77	76.79	3-9/16x7-1/8

Hewsaw | Simulation

Log | Simulation | Summary | Summary (test) | Network

10/02/25 10:

1- _ 0.00$ 0.00
2- 1-3/8x3-1/2x8'5"_
3- 3-9/16x6-1/8x8'5'
4- 1_5/8x6x8'5"_prir
5- _ 0.00$ 0.00

Pattern: 3-1/2x6+2p
BF : 24.92
Yield : 6.21, 161.12
Val : 8.53
Time : 31
Angle:-57.4 (0.0)
Slp (-0.018,0.018)
VW b:0.000, c:0.00(

Pattern	Value
3-1/2x4	3.19
3-1/2x5	3.99
3-1/2x6	5.52
2(3-1/2x6)	0.00
2(3-1/2x7)	0.00
2(3-1/2x8)	0.00
3-1/2x6+2p	8.53
3-1/2x7+2p	0.00
3-1/2x8+2p	0.00
7x9	0.00
7x9+2p	0.00

RAZ

Penality

Force Opt

02250001.Fa1

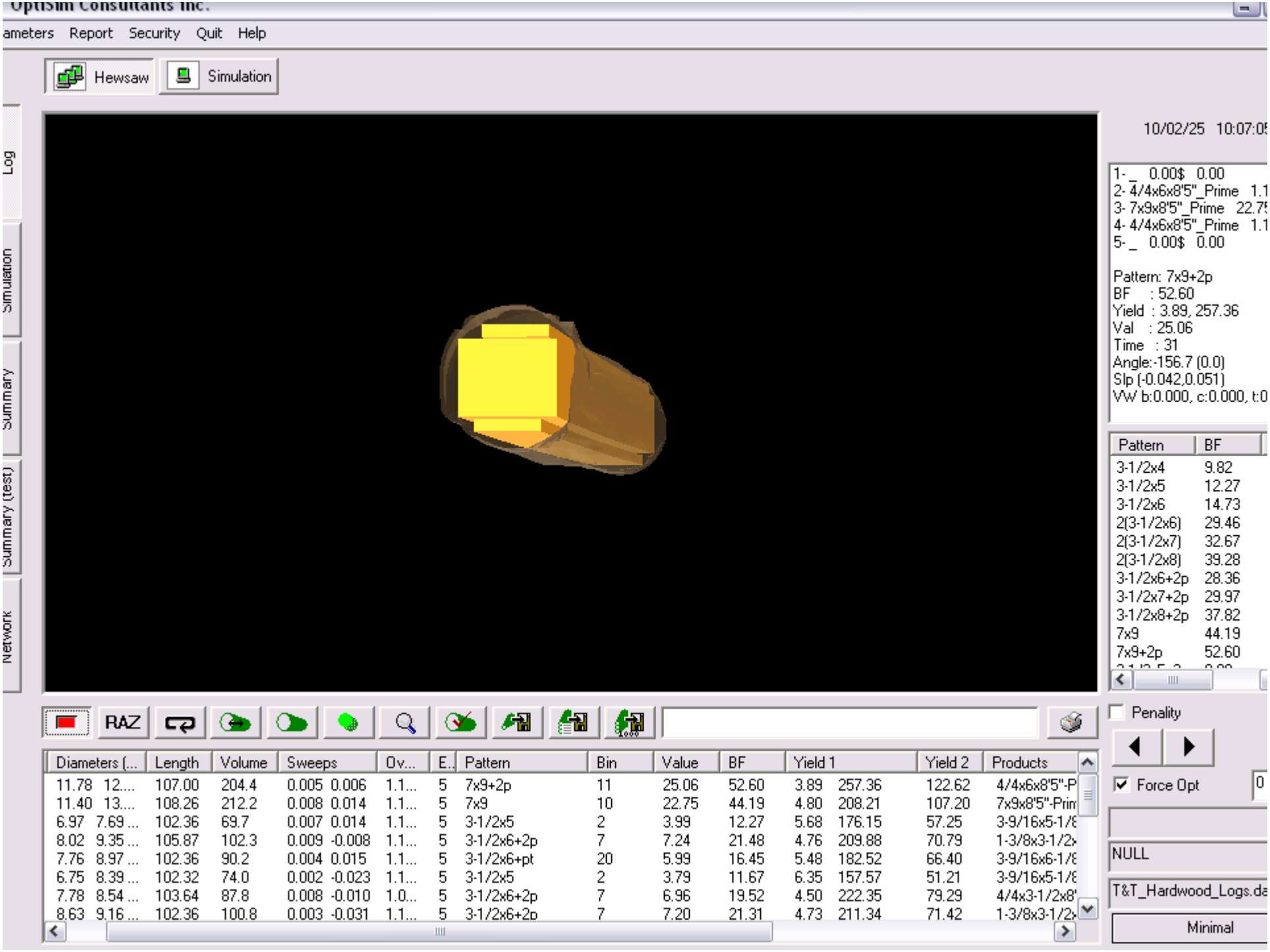
NULL

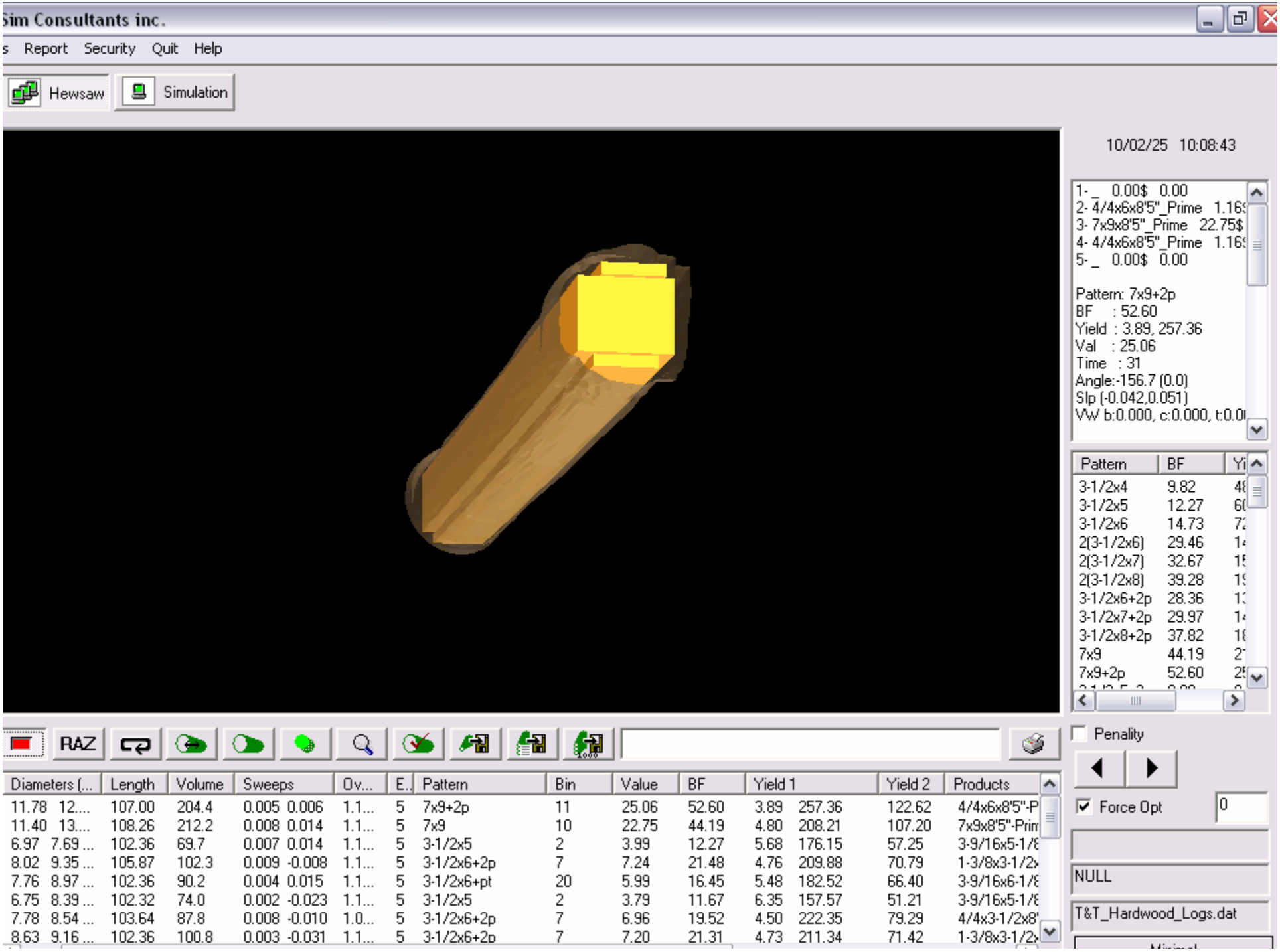
T&T_Hardwood_Log

Minimal

meters (...	Length	Volume	Sweeps	Ov...	E..	Pattern	Bin	Value	BF	Yield 1	Yield 2	Products
48 10....	107.06	154.7	0.010 -0.025	1.1...	5	3-1/2x6+2p	7	8.53	24.92	6.21 161.12	55.16	1-3/8x3-1/2x8'5"-prim
75 12....	107.06	196.6	0.019 -0.013	1.1...	5	2(3-1/2x7)+pt	16	12.99	35.12	5.60 178.66	66.06	3-9/16x7-1/8x8'-prim :
3 10.0...	104.77	116.1	0.008 -0.016	1.0...	5	3-1/2x6+2p	7	8.43	24.58	4.72 211.76	72.57	1_5/8x6x8'-prim 3-9/1
45 13....	106.98	227.1	0.009 0.029	1.1...	5	7x9	10	22.75	44.19	5.14 194.55	100.17	7x9x8'5"-Prime
47 16....	104.67	284.3	0.015 -0.016	1.1...	5	7x9+2p	11	27.62	59.65	4.77 209.77	97.14	1_5/8x8-1/8x8'-Prime

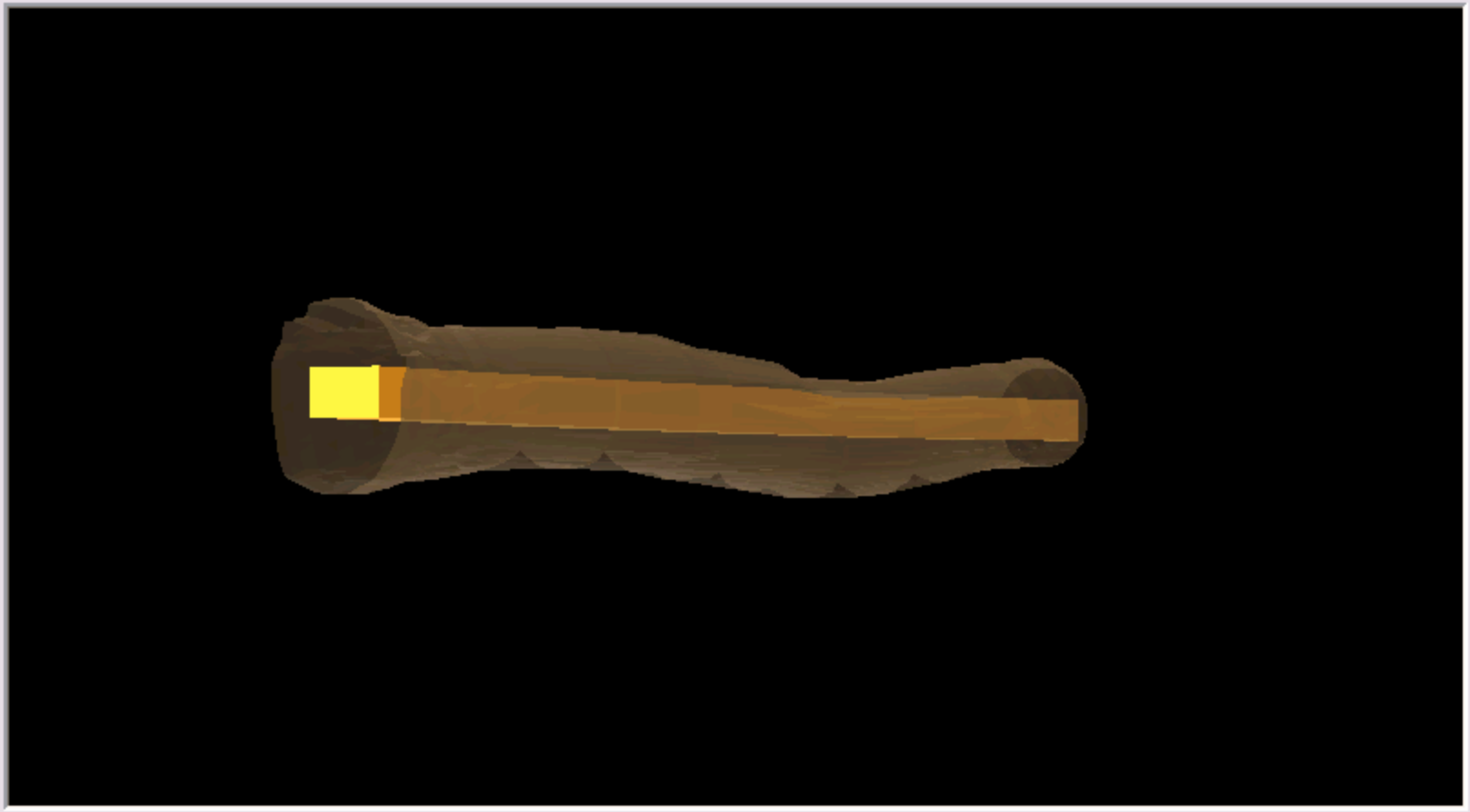
start | Prologic+ Log Scanne... | Prologic+ Embedded ... | OptiSim Consultants inc.


OptiSim Consultants Inc.
ameters Report Security Quit Help
Hewsaw
Simulation
Log
Simulation
Summary
Summary (test)
Network
10/02/25 10:07:05
1- _ 0.00$ 0.00
2- 4/4x6x8'5"_Prime 1.1
3- 7x9x8'5"_Prime 22.75
4- 4/4x6x8'5"_Prime 1.1
5- _ 0.00$ 0.00
Pattern: 7x9+2p
BF : 52.60
Yield : 3.89, 257.36
Val : 25.06
Time : 31
Angle:-156.7 (0.0)
Slp (-0.042,0.051)
VW b:0.000, c:0.000, t:0
Pattern BF
3-1/2x4 9.82
3-1/2x5 12.27
3-1/2x6 14.73
2(3-1/2x6) 29.46
2(3-1/2x7) 32.67
2(3-1/2x8) 39.28
3-1/2x6+2p 28.36
3-1/2x7+2p 29.97
3-1/2x8+2p 37.82
7x9 44.19
7x9+2p 52.60
RAZ
Penality
Force Opt
NULL
T&T_Hardwood_Logs.da
Minimal
Diameters (... Length Volume Sweeps Ov... E.. Pattern Bin Value BF Yield 1 Yield 2 Products
11.78 12.... 107.00 204.4 0.005 0.006 1.1... 5 7x9+2p 11 25.06 52.60 3.89 257.36 122.62 4/4x6x8'5"-P
11.40 13.... 108.26 212.2 0.008 0.014 1.1... 5 7x9 10 22.75 44.19 4.80 208.21 107.20 7x9x8'5"-Prin
6.97 7.69 ... 102.36 69.7 0.007 0.014 1.1... 5 3-1/2x5 2 3.99 12.27 5.68 176.15 57.25 3-9/16x5-1/8
8.02 9.35 ... 105.87 102.3 0.009 -0.008 1.1... 5 3-1/2x6+2p 7 7.24 21.48 4.76 209.88 70.79 1-3/8x3-1/2x
7.76 8.97 ... 102.36 90.2 0.004 0.015 1.1... 5 3-1/2x6+pt 20 5.99 16.45 5.48 182.52 66.40 3-9/16x6-1/8
6.75 8.39 ... 102.32 74.0 0.002 -0.023 1.1... 5 3-1/2x5 2 3.79 11.67 6.35 157.57 51.21 3-9/16x5-1/8
7.78 8.54 ... 103.64 87.8 0.008 -0.010 1.0... 5 3-1/2x6+2p 7 6.96 19.52 4.50 222.35 79.29 4/4x3-1/2x8'
8.63 9.16 ... 102.36 100.8 0.003 -0.031 1.1... 5 3-1/2x6+2p 7 7.20 21.31 4.73 211.34 71.42 1-3/8x3-1/2x


Sim Consultants inc.
s Report Security Quit Help
Hewsaw
Simulation
10/02/25 10:08:43
1- _ 0.00$ 0.00
2- 4/4x6x8'5"_Prime 1.16
3- 7x9x8'5"_Prime 22.75$
4- 4/4x6x8'5"_Prime 1.16
5- _ 0.00$ 0.00
Pattern: 7x9+2p
BF : 52.60
Yield : 3.89, 257.36
Val : 25.06
Time : 31
Angle:-156.7 (0.0)
Slp (-0.042,0.051)
VW b:0.000, c:0.000, t:0.0
Pattern BF Yi
3-1/2x4 9.82
3-1/2x5 12.27
3-1/2x6 14.73
2(3-1/2x6) 29.46
2(3-1/2x7) 32.67
2(3-1/2x8) 39.28
3-1/2x6+2p 28.36
3-1/2x7+2p 29.97
3-1/2x8+2p 37.82
7x9 44.19
7x9+2p 52.60
RAZ
Penality
Force Opt
0
NULL
T&T_Hardwood_Logs.dat
Diameters (... Length Volume Sweeps Ov... E.. Pattern Bin Value BF Yield 1 Yield 2 Products
11.78 12.... 107.00 204.4 0.005 0.006 1.1... 5 7x9+2p 11 25.06 52.60 3.89 257.36 122.62 4/4x6x8'5"-P
11.40 13.... 108.26 212.2 0.008 0.014 1.1... 5 7x9 10 22.75 44.19 4.80 208.21 107.20 7x9x8'5"-Prim
6.97 7.69 ... 102.36 69.7 0.007 0.014 1.1... 5 3-1/2x5 2 3.99 12.27 5.68 176.15 57.25 3-9/16x5-1/8
8.02 9.35 ... 105.87 102.3 0.009 -0.008 1.1... 5 3-1/2x6+2p 7 7.24 21.48 4.76 209.88 70.79 1-3/8x3-1/2x
7.76 8.97 ... 102.36 90.2 0.004 0.015 1.1... 5 3-1/2x6+pt 20 5.99 16.45 5.48 182.52 66.40 3-9/16x6-1/8
6.75 8.39 ... 102.32 74.0 0.002 -0.023 1.1... 5 3-1/2x5 2 3.79 11.67 6.35 157.57 51.21 3-9/16x5-1/8
7.78 8.54 ... 103.64 87.8 0.008 -0.010 1.0... 5 3-1/2x6+2p 7 6.96 19.52 4.50 222.35 79.29 4/4x3-1/2x8'
8.63 9.16 ... 102.36 100.8 0.003 -0.031 1.1... 5 3-1/2x6+2p 7 7.20 21.31 4.73 211.34 71.42 1-3/8x3-1/2x

eters Report Security Quit Help

Hewsaw | Simulation



10/02/25 10:01:57

1- _ 0.00$ 0.00
2- 3-9/16x6-1/8x8'5"_prim
3- _ 0.00$ 0.00

Pattern: 3-1/2x6
BF : 14.73
Yield : 8.86, 112.84
Val : 5.52
Time : 32
Angle:98.1 (0.0)
Slp (0.068,0.272)
VW b:0.000, c:0.000, t:0.0

Offset (0.000,0.445)
T/B W(0.000,0.000)

Pattern	BF	Yi
3-1/2x4	9.82	7
3-1/2x5	12.27	9
3-1/2x6	14.73	1
2(3-1/2x6)	0.00	0.
2(3-1/2x7)	0.00	0.
2(3-1/2x8)	0.00	0.
3-1/2x6+2p	0.00	0.
3-1/2x7+2p	0.00	0.
3-1/2x8+2p	0.00	0.
7x9	0.00	0.
7x9+2p	0.00	0.

RAZ

Penality

Diameters (...	Length	Volume	Sweeps	Ov...	E..	Pattern	Bin	Value	BF	Yield 1	Yield 2	Products
8.89 11.0...	103.32	130.5	0.019 -0.037	1.1...	5	3-1/2x6	3	5.52	14.73	8.86 112.84	42.32	3-9/16x6-1/8
13.57 15....	104.61	291.3	0.015 -0.019	1.0...	5	7x9+2p	11	27.76	60.10	4.85 206.30	95.30	1_5/8x6x8'5'
10.45 10....	106.98	152.8	0.007 -0.013	1.2...	5	2(3-1/2x6)	4	11.05	29.46	5.19 192.83	72.31	3-9/16x6-1/8
12.41 14....	108.16	245.6	0.007 0.007	1.0...	5	7x9+2p	11	27.05	57.82	4.25 235.45	110.12	1_5/8x6x8'5'
8.06 9.24 ...	105.81	101.0	0.005 -0.016	1.1...	5	3-1/2x6+2p	7	7.24	21.48	4.70 212.61	71.71	1-3/8x3-1/2x
11.19 12....	107.04	192.4	0.009 0.027	1.1...	5	7x9	10	22.75	44.19	4.36 229.61	118.21	7x9x8'5"-Prim
9.39 9.75 ...	99.79	116.1	0.009 -0.008	1.0...	5	3-1/2x6+2p	7	8.39	24.48	4.74 210.92	72.30	1_5/8x6x8'-p
7.67 9.58 ...	107.46	104.5	0.018 -0.016	1.2...	5	3-1/2x6+2p	7	6.87	19.52	5.35 186.80	65.71	4/4x3-1/2x8'

Force Opt 0

02250001.Fa1

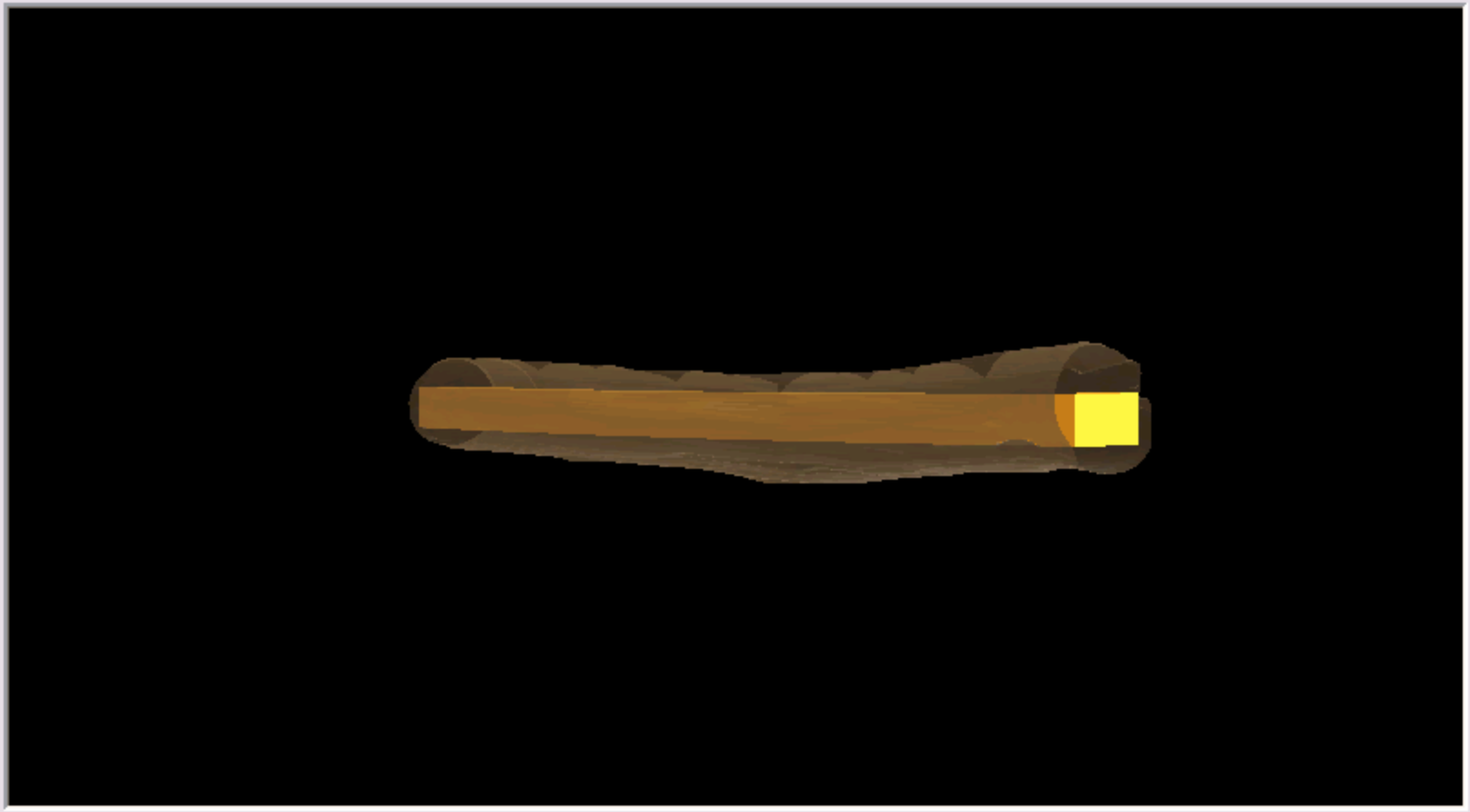
NULL

T&T_Hardwood_Logs.dat

Minimal

eters Report Security Quit Help

Hewsaw | Simulation



10/02/25 09:58:28

1- _ 0.00$ 0.00
2- 3-9/16x5-1/8x8'5"_prim
3- _ 0.00$ 0.00

Pattern: 3-1/2x5
BF : 12.27
Yield : 7.20, 138.84
Val : 3.99
Time : 31
Angle:121.7 (0.0)
Slp (-0.024,0.010)
VW b:0.000, c:0.000, t:0.0

Offset (0.000,0.000)
T/B W(0.000,0.000)

Pattern	BF	Yi
3-1/2x4	9.82	1
3-1/2x5	12.27	1
3-1/2x6	0.00	0.
2(3-1/2x6)	0.00	0.
2(3-1/2x7)	0.00	0.
2(3-1/2x8)	0.00	0.
3-1/2x6+2p	0.00	0.
3-1/2x7+2p	0.00	0.
3-1/2x8+2p	0.00	0.
7x9	0.00	0.
7x9+2p	0.00	0.

RAZ

Penality

Force Opt 0

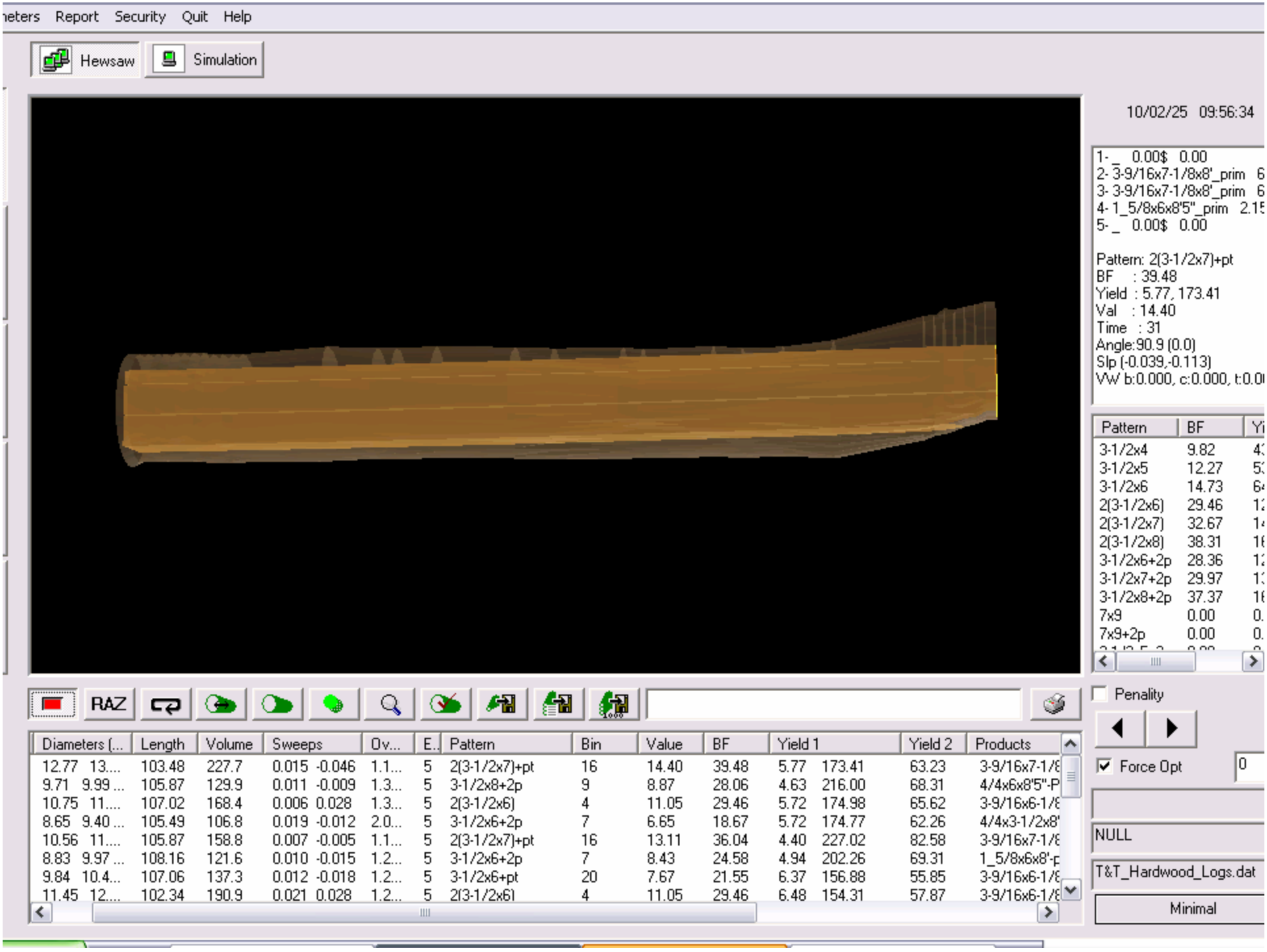
02250001.Fa1

NULL

T&T_Hardwood_Logs.dat

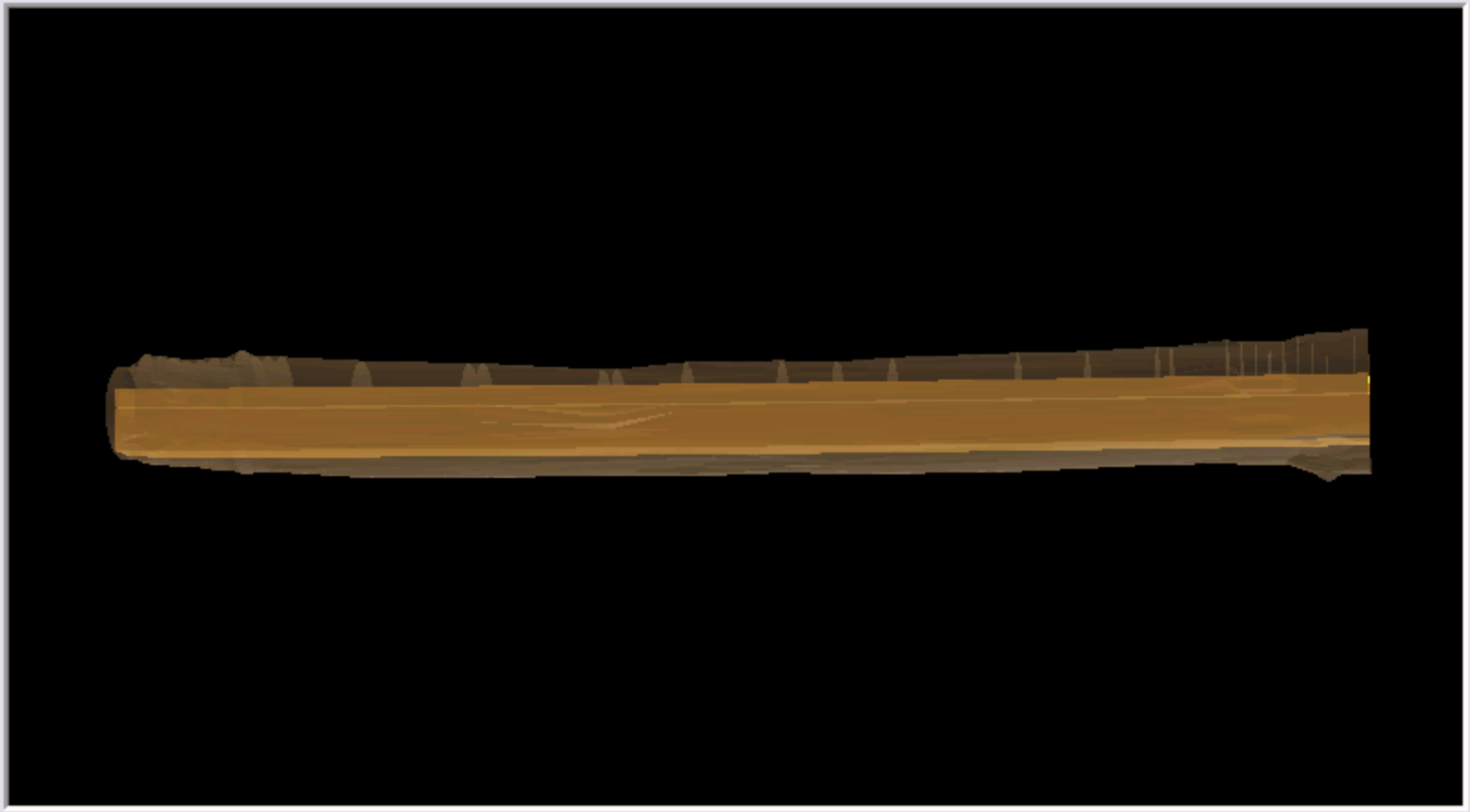
Minimal

Diameters (...	Length	Volume	Sweeps	Ov...	E..	Pattern	Bin	Value	BF	Yield 1	Yield 2	Products
7.92 8.59 ...	105.77	88.4	0.017 -0.030	1.3...	5	3-1/2x5	2	3.99	12.27	7.20 138.84	45.12	3-9/16x5-1/8
10.99 11....	107.04	167.2	0.013 0.018	1.1...	5	2(3-1/2x7)+pt	16	12.99	35.12	4.76 210.02	77.66	3-9/16x7-1/8
9.04 9.75 ...	105.77	116.6	0.010 -0.022	1.1...	5	3-1/2x6+pt	20	7.67	21.55	5.41 184.77	65.78	3-9/16x6-1/8
10.73 11....	104.71	158.2	0.006 0.015	1.0...	5	2(3-1/2x7)+pt	16	12.99	35.12	4.50 221.98	82.08	3-9/16x7-1/8
10.11 11....	108.18	160.6	0.013 -0.023	1.0...	5	2(3-1/2x6)	4	10.77	28.73	5.59 178.92	67.09	3-9/16x6-1/8
9.31 10.5...	104.83	132.1	0.008 -0.013	1.0...	5	3-1/2x6+2p	7	8.77	25.55	5.17 193.41	66.40	4/4x6x8'-Prin
9.50 10.0...	106.98	131.7	0.003 -0.013	1.0...	5	3-1/2x8+2p	9	8.89	28.06	4.70 212.99	67.52	4/4x6x8'5"-P
11.50 12....	104.71	188.9	0.030 0.016	1.1...	5	2(3-1/2x6)	4	10.77	28.73	6.58 152.05	57.02	3-9/16x6-1/8


eters Report Security Quit Help
Hewsaw
Simulation
10/02/25 09:56:34
1- _ 0.00$ 0.00
2- 3-9/16x7-1/8x8'_prim 6
3- 3-9/16x7-1/8x8'_prim 6
4- 1_5/8x6x8'5"_prim 2.15
5- _ 0.00$ 0.00
Pattern: 2(3-1/2x7)+pt
BF : 39.48
Yield : 5.77, 173.41
Val : 14.40
Time : 31
Angle:90.9 (0.0)
Slp (-0.039,-0.113)
VW b:0.000, c:0.000, t:0.0
Pattern BF
3-1/2x4 9.82
3-1/2x5 12.27
3-1/2x6 14.73
2(3-1/2x6) 29.46
2(3-1/2x7) 32.67
2(3-1/2x8) 38.31
3-1/2x6+2p 28.36
3-1/2x7+2p 29.97
3-1/2x8+2p 37.37
7x9 0.00
7x9+2p 0.00
RAZ
Penality
Force Opt
0
NULL
T&T_Hardwood_Logs.dat
Minimal
Diameters (... Length Volume Sweeps Ov... E.. Pattern Bin Value BF Yield 1 Yield 2 Products
12.77 13.... 103.48 227.7 0.015 -0.046 1.1... 5 2(3-1/2x7)+pt 16 14.40 39.48 5.77 173.41 63.23 3-9/16x7-1/8
9.71 9.99 ... 105.87 129.9 0.011 -0.009 1.3... 5 3-1/2x8+2p 9 8.87 28.06 4.63 216.00 68.31 4/4x6x8'5"-P
10.75 11.... 107.02 168.4 0.006 0.028 1.3... 5 2(3-1/2x6) 4 11.05 29.46 5.72 174.98 65.62 3-9/16x6-1/8
8.65 9.40 ... 105.49 106.8 0.019 -0.012 2.0... 5 3-1/2x6+2p 7 6.65 18.67 5.72 174.77 62.26 4/4x3-1/2x8'
10.56 11.... 105.87 158.8 0.007 -0.005 1.1... 5 2(3-1/2x7)+pt 16 13.11 36.04 4.40 227.02 82.58 3-9/16x7-1/8
8.83 9.97 ... 108.16 121.6 0.010 -0.015 1.2... 5 3-1/2x6+2p 7 8.43 24.58 4.94 202.26 69.31 1_5/8x6x8'-p
9.84 10.4... 107.06 137.3 0.012 -0.018 1.2... 5 3-1/2x6+pt 20 7.67 21.55 6.37 156.88 55.85 3-9/16x6-1/8
11.45 12.... 102.34 190.9 0.021 0.028 1.2... 5 2(3-1/2x6) 4 11.05 29.46 6.48 154.31 57.87 3-9/16x6-1/8

eters Report Security Quit Help

Hewsaw | Simulation



10/02/25 09:55:19

1- _ 0.00$ 0.00
2- 3-9/16x6-1/8x8'5"_prim
3- 1_5/8x6x8'5"_prim 2.15
4- _ 0.00$ 0.00

Pattern: 3-1/2x6+pt
BF : 21.55
Yield : 6.37, 156.88
Val : 7.67
Time : 31
Angle:143.2 (0.0)
Slp (-0.280,0.441)
VW b:0.000, c:0.000, t:0.0
Offset (0.000,-0.445)

Pattern	BF	Yi
3-1/2x4	9.82	7
3-1/2x5	12.27	8
3-1/2x6	14.73	1
2(3-1/2x6)	0.00	0.
2(3-1/2x7)	0.00	0.
2(3-1/2x8)	0.00	0.
3-1/2x6+2p	22.31	1
3-1/2x7+2p	0.00	0.
3-1/2x8+2p	0.00	0.
7x9	0.00	0.
7x9+2p	0.00	0.

RAZ

Penality

Force Opt 0

02250001.Fa1

NULL

T&T_Hardwood_Logs.dat

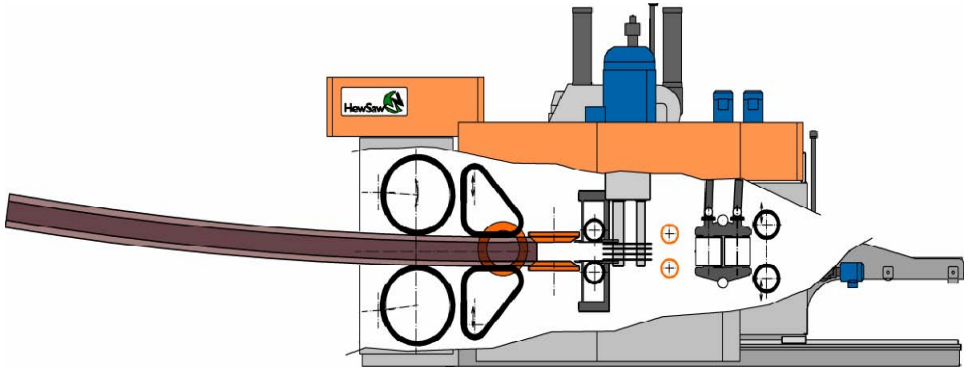
Minimal

Diameters (...	Length	Volume	Sweeps	Ov...	E..	Pattern	Bin	Value	BF	Yield 1	Yield 2	Products
9.84 10.4...	107.06	137.3	0.012 -0.018	1.2...	5	3-1/2x6+pt	20	7.67	21.55	6.37 156.88	55.85	3-9/16x6-1/8
11.45 12....	102.34	190.9	0.021 0.028	1.2...	5	2(3-1/2x6)	4	11.05	29.46	6.48 154.31	57.87	3-9/16x6-1/8
10.67 10....	107.02	153.7	0.002 -0.020	1.1...	5	2(3-1/2x6)	4	11.05	29.46	5.22 191.64	71.86	3-9/16x6-1/8
11.39 13....	105.77	206.3	0.016 -0.009	1.0...	5	2(3-1/2x7)+pt	16	13.41	36.88	5.60 178.73	64.98	3-9/16x7-1/8
8.36 10.1...	101.18	110.7	0.018 0.020	1.1...	5	3-1/2x6+2p	7	7.12	20.56	5.38 185.75	64.33	1-3/8x3-1/2
10.91 11....	104.55	158.4	0.004 0.021	1.1...	5	2(3-1/2x7)	5	12.25	32.67	4.85 206.16	77.31	3-9/16x7-1/8
13.03 13....	105.85	242.1	0.003 -0.008	1.2...	5	7x9+2p	11	25.06	52.60	4.60 217.28	103.53	4/4x6x8'5"-P
10.49 13....	104.73	188.1	0.019 0.020	1.1...	5	2(3-1/2x6)	4	11.05	29.46	6.38 156.64	58.74	3-9/16x6-1/8

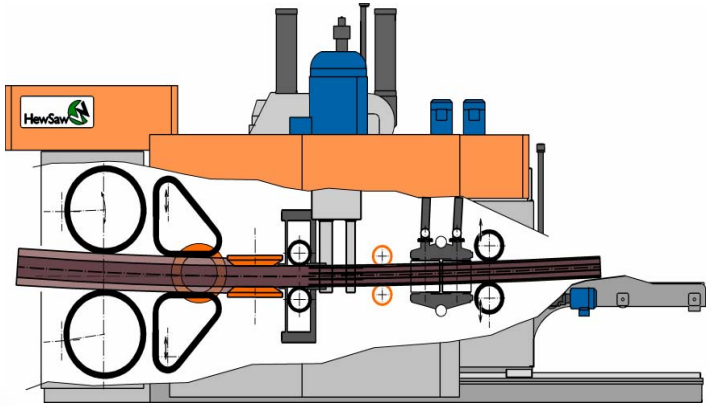
Menu

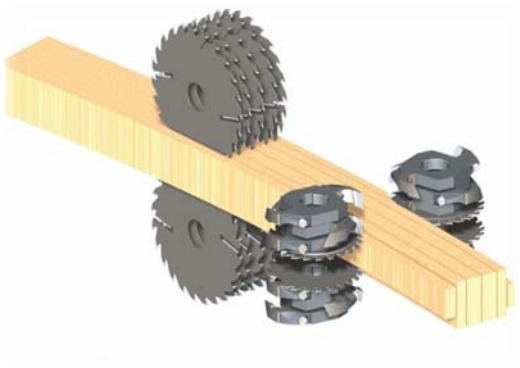
Products

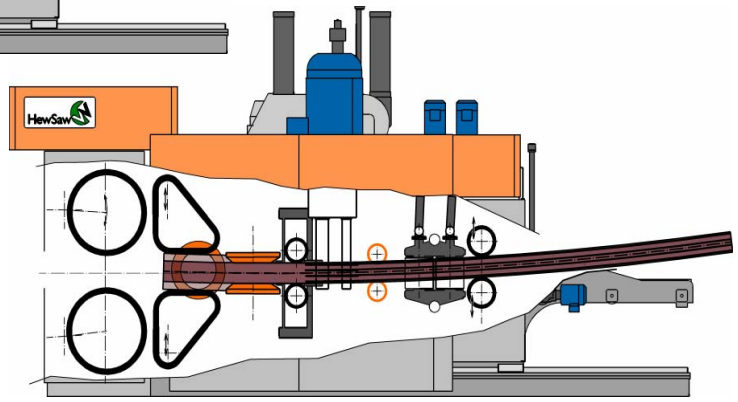
CURVE-SAWING

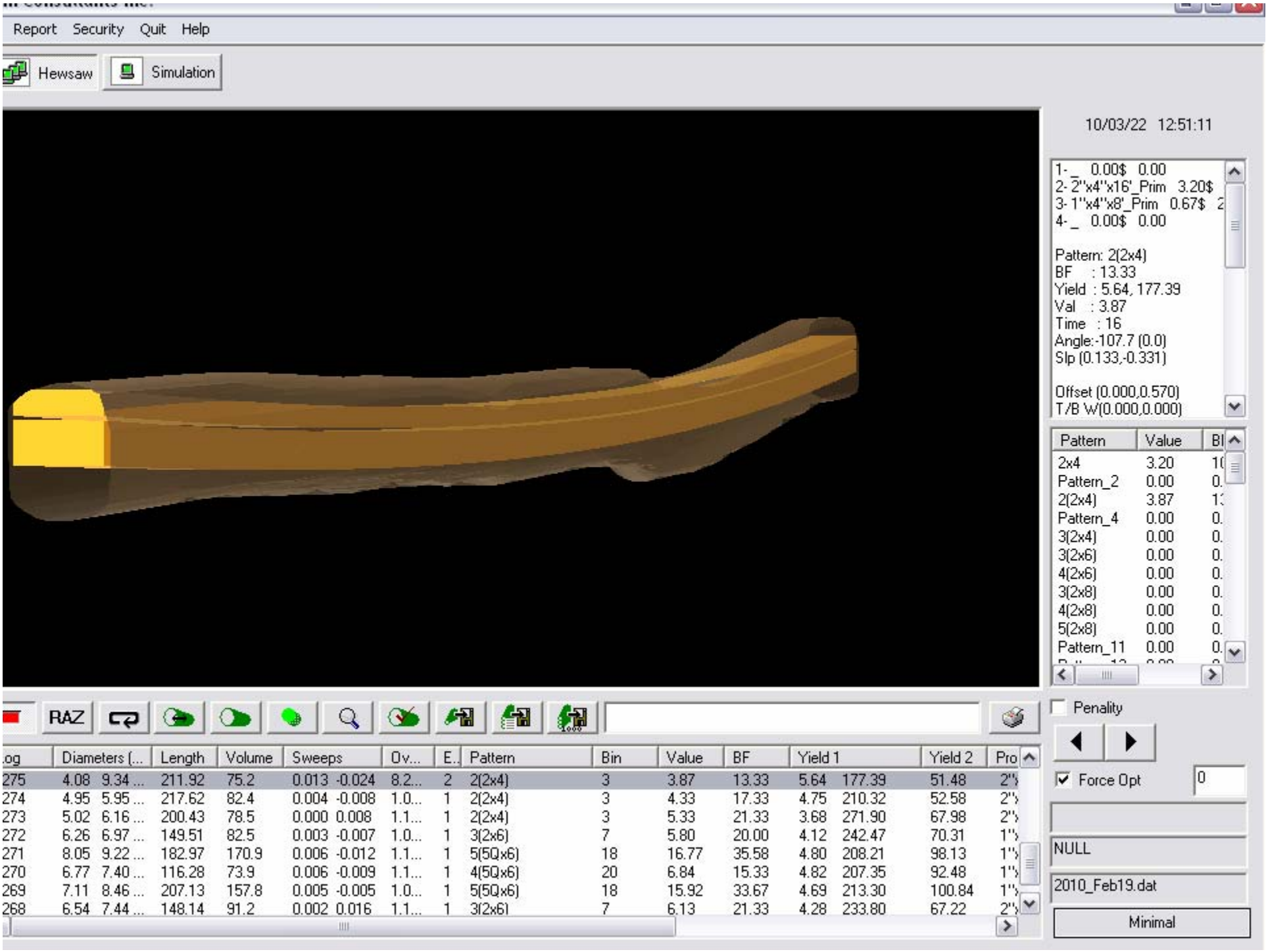


All breakdown machines are designed to natural curve-saw



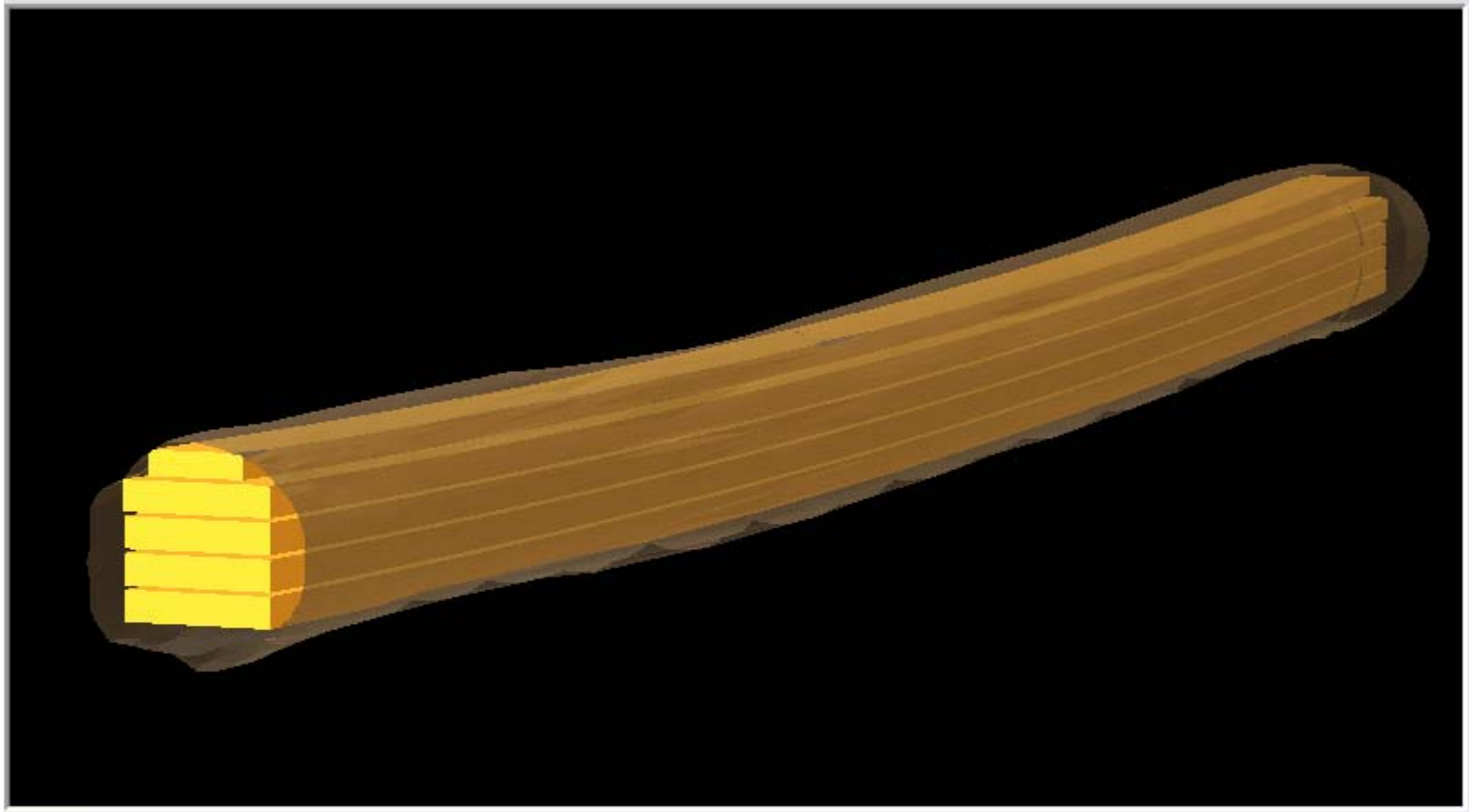





Report Security Quit Help
Hewsaw
Simulation
10/03/22 12:51:11
1- _ 0.00$ 0.00
2- 2"x4"x16'_Prim 3.20$
3- 1"x4"x8'_Prim 0.67$
4- _ 0.00$ 0.00
Pattern: 2(2x4)
BF : 13.33
Yield : 5.64, 177.39
Val : 3.87
Time : 16
Angle:-107.7 (0.0)
Slp (0.133,-0.331)
Offset (0.000,0.570)
T/B W(0.000,0.000)
Pattern Value
2x4 3.20
Pattern_2 0.00
2(2x4) 3.87
Pattern_4 0.00
3(2x4) 0.00
3(2x6) 0.00
4(2x6) 0.00
3(2x8) 0.00
4(2x8) 0.00
5(2x8) 0.00
Pattern_11 0.00
RAZ
Penality
Force Opt
0
NULL
2010_Feb19.dat
Minimal
og Diameters (... Length Volume Sweeps Ov... E.. Pattern Bin Value BF Yield 1 Yield 2 Pro
275 4.08 9.34 ... 211.92 75.2 0.013 -0.024 8.2... 2 2(2x4) 3 3.87 13.33 5.64 177.39 51.48 2"
274 4.95 5.95 ... 217.62 82.4 0.004 -0.008 1.0... 1 2(2x4) 3 4.33 17.33 4.75 210.32 52.58 2"
273 5.02 6.16 ... 200.43 78.5 0.000 0.008 1.1... 1 2(2x4) 3 5.33 21.33 3.68 271.90 67.98 2"
272 6.26 6.97 ... 149.51 82.5 0.003 -0.007 1.0... 1 3(2x6) 7 5.80 20.00 4.12 242.47 70.31 1"
271 8.05 9.22 ... 182.97 170.9 0.006 -0.012 1.1... 1 5(5Qx6) 18 16.77 35.58 4.80 208.21 98.13 1"
270 6.77 7.40 ... 116.28 73.9 0.006 -0.009 1.1... 1 4(5Qx6) 20 6.84 15.33 4.82 207.35 92.48 1"
269 7.11 8.46 ... 207.13 157.8 0.005 -0.005 1.0... 1 5(5Qx6) 18 15.92 33.67 4.69 213.30 100.84 1"
268 6.54 7.44 ... 148.14 91.2 0.002 0.016 1.1... 1 3(2x6) 7 6.13 21.33 4.28 233.80 67.22 2"

rs Report Security Quit Help

Hewsaw | Simulation



10/03/22 12:48:45

```
1- _   0.00$  0.00
2- 5Qx6"x12"_Prim  4.13$
3- 5Qx6"x12"_Prim  4.13$
4- 5Qx6"x12"_Prim  4.13$
5- 5Qx6"x12"_Prim  4.13$
6- 1"x4"x12"_Prim  1.00$
7- _   0.00$  0.00

Pattern: 5(5Qx6)
BF    : 34.00
Yield : 4.48, 223.07
Val   : 17.50
Time  : 94
Angle:96.3 (0.0)
Slp (-0.013,0.020)
```

Pattern	Value	Bl
2x4	0.00	0.
Pattern_2	0.00	0.
2(2x4)	0.00	0.
Pattern_4	0.00	0.
3(2x4)	0.00	0.
3(2x6)	12.60	3(
4(2x6)	14.12	3(
3(2x8)	15.60	4(
4(2x8)	0.00	0.
5(2x8)	0.00	0.
Pattern_11	0.00	0.

RAZ

Log	Diameters (...	Length	Volume	Sweeps	Ov...	E..	Pattern	Bin	Value	BF	Yield 1	Yield 2	Pro
1255	7.70 9.51 ...	205.79	191.3	0.008 -0.012	1.0...	1	5(5Qx6)	18	20.58	40.33	4.74 210.86	107.61	5Q
1254	8.23 9.46 ...	152.28	148.9	0.005 -0.011	1.1...	1	4(5q)+2x6	31	15.04	31.83	4.68 213.86	101.07	2">
1253	9.01 9.80 ...	198.34	222.6	0.004 0.013	1.0...	1	4(2x8)	14	29.51	61.42	3.62 275.87	132.56	5Q
1252	9.41 9.97 ...	149.57	176.9	0.012 -0.006	1.0...	1	4(2x8)	14	22.65	47.00	3.76 265.75	128.07	5Q
1251	6.22 7.88 ...	163.31	102.1	0.001 -0.013	1.1...	1	4(5Qx6)	20	8.88	20.50	4.98 200.83	86.94	1">
1250	8.79 10.2...	195.65	221.5	0.006 0.012	1.2...	1	4(2x8)	14	24.54	50.92	4.35 229.89	110.79	5Q
1249	8.56 9.44 ...	150.01	152.4	0.010 -0.010	1.0...	1	5(5Qx6)	18	17.50	34.00	4.48 223.07	114.81	5Q
1248	9.39 10.0...	100.19	119.5	0.017 0.008	1.0...	1	6(5Qx6)	21	12.34	25.33	4.72 212.04	103.27	1">

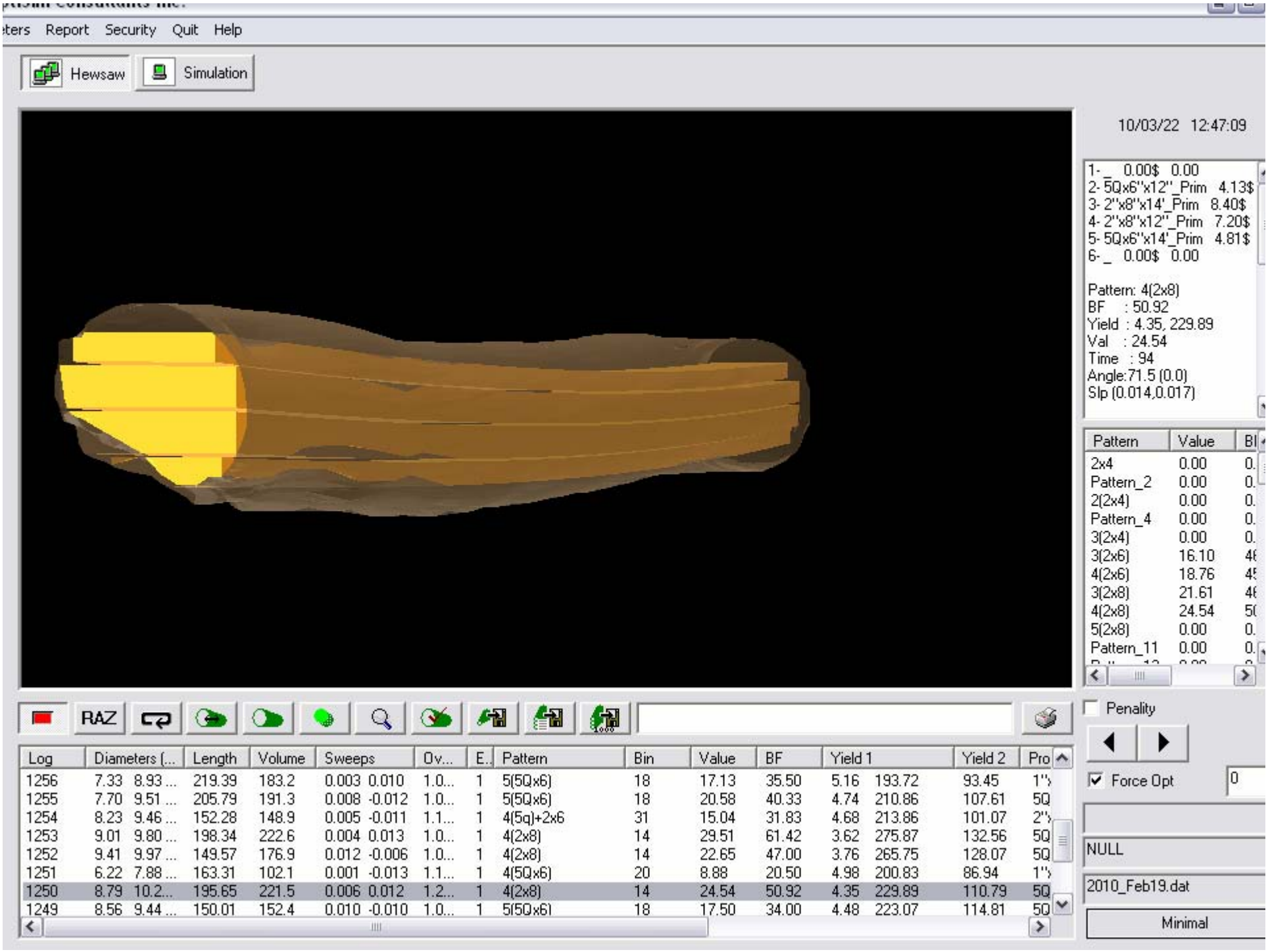
Penality

Force Opt 0

NULL

2010_Feb19.dat

Minimal


ters Report Security Quit Help
Hewsaw
Simulation
10/03/22 12:47:09
1- _ 0.00$ 0.00
2- 5Qx6"x12"_Prim 4.13$
3- 2"x8"x14'_Prim 8.40$
4- 2"x8"x12"_Prim 7.20$
5- 5Qx6"x14'_Prim 4.81$
6- _ 0.00$ 0.00
Pattern: 4(2x8)
BF : 50.92
Yield : 4.35, 229.89
Val : 24.54
Time : 94
Angle:71.5 (0.0)
Slp (0.014,0.017)
Pattern Value
2x4 0.00
Pattern_2 0.00
2(2x4) 0.00
Pattern_4 0.00
3(2x4) 0.00
3(2x6) 16.10
4(2x6) 18.76
3(2x8) 21.61
4(2x8) 24.54
5(2x8) 0.00
Pattern_11 0.00
RAZ
Penality
Force Opt
0
NULL
2010_Feb19.dat
Minimal
Log Diameters (... Length Volume Sweeps Ov... E.. Pattern Bin Value BF Yield 1 Yield 2 Pro
1256 7.33 8.93 ... 219.39 183.2 0.003 0.010 1.0... 1 5(5Qx6) 18 17.13 35.50 5.16 193.72 93.45 1"
1255 7.70 9.51 ... 205.79 191.3 0.008 -0.012 1.0... 1 5(5Qx6) 18 20.58 40.33 4.74 210.86 107.61 5Q
1254 8.23 9.46 ... 152.28 148.9 0.005 -0.011 1.1... 1 4(5q)+2x6 31 15.04 31.83 4.68 213.86 101.07 2"
1253 9.01 9.80 ... 198.34 222.6 0.004 0.013 1.0... 1 4(2x8) 14 29.51 61.42 3.62 275.87 132.56 5Q
1252 9.41 9.97 ... 149.57 176.9 0.012 -0.006 1.0... 1 4(2x8) 14 22.65 47.00 3.76 265.75 128.07 5Q
1251 6.22 7.88 ... 163.31 102.1 0.001 -0.013 1.1... 1 4(5Qx6) 20 8.88 20.50 4.98 200.83 86.94 1"
1250 8.79 10.2... 195.65 221.5 0.006 0.012 1.2... 1 4(2x8) 14 24.54 50.92 4.35 229.89 110.79 5Q
1249 8.56 9.44 ... 150.01 152.4 0.010 -0.010 1.0... 1 5(5Qx6) 18 17.50 34.00 4.48 223.07 114.81 5Q

Log Distribution

Day shift

Start: Saturday April 10, 2010 - 6:00AM
End: Saturday April 10, 2010 - 6:00PM
Print: Friday April 16, 2010 - 11:15AM

Total (pieces)	<8'	8'	9'	10'	11'	12'	14'	16'	>=17'	
3"							1 0%			1 0%
4"	3 0%	34 0%	49 1%	54 1%	62 1%	120 2%	103 1%	46 1%		471 6%
5"	4 0%	138 2%	163 2%	310 4%	189 2%	523 7%	275 3%	545 7%		2147 27%
6"	7 0%	95 1%	75 1%	412 5%	98 1%	595 8%	124 2%	1066 13%		2472 31%
7"	5 0%	55 1%	27 0%	287 4%	35 0%	530 7%	47 1%	518 7%		1504 19%
8"		16 0%	7 0%	64 1%	12 0%	138 2%	17 0%	197 2%		451 6%
9"		1 0%	4 0%	9 0%	2 0%	19 0%	1 0%	10 0%		46 1%
10"						2 0%				2 0%
	19 0%	339 4%	325 4%	1136 14%	398 5%	1927 24%	568 7%	2382 30%	0	7094 90%

2 logs together (pieces)	<8'	8'	9'	10'	11'	12'	14'	16'	>=17'	
5"		1 0%								1 0%
6"								1 0%		1 0%
8"								1 0%		1 0%
	0	1 0%	0	0	0	0	0	2 0%	0	3 0%

Production Summary

Day shift

Start: Saturday April 10, 2010 - 6:00AM
End: Saturday April 10, 2010 - 6:00PM
Print: Friday April 16, 2010 - 11:15AM

Grade 0 (pieces)	8.000	10.000	12.000	14.000	16.000	
1.000 x 4.000	1100	1274	1095	347	979	4795
	5.8%	6.7%	5.7%	1.8%	5.1%	25.1%
1.250 x 6.000	1008	1602	2019	443	1983	7055
	5.3%	8.4%	10.6%	2.3%	10.4%	37.0%
2.000 x 4.000	902	1343	1433	680	2002	6360
	4.7%	7.0%	7.5%	3.6%	10.5%	33.3%
2.000 x 6.000	189	235	181	53	99	757
	1.0%	1.2%	0.9%	0.3%	0.5%	4.0%
2.000 x 8.000	8	29	37	6	43	123
	0.0%	0.2%	0.2%	0.0%	0.2%	0.6%
	3207	4483	4765	1529	5106	19090
	16.8%	23.5%	25.0%	8.0%	26.7%	100%

Grade 1 (pieces)	8.000	10.000	12.000	14.000	16.000	
1.000 x 4.000	303	154	48	39	33	577
	6.0%	3.0%	0.9%	0.8%	0.7%	11.4%
2.000 x 4.000	979	1187	990	453	879	4488
	19.3%	23.4%	19.5%	8.9%	17.3%	88.5%
2.000 x 6.000	1	2	1			4
	0.0%	0.0%	0.0%			0.1%
2.000 x 8.000		1	1		1	3
		0.0%	0.0%		0.0%	0.1%
	1283	1344	1040	492	913	5072
	25.3%	26.5%	20.5%	9.7%	18.0%	100%

Productivity Report

Day shift

Start: Saturday April 10, 2010 - 6:00AM
End: Saturday April 10, 2010 - 6:00PM
Print: Friday April 16, 2010 - 11:15AM

Summary

Shift time	12h00m00s
Downtime	2h50m45s
Lunch time	5m00s
Run time	9h04m15s
Convoyer utilisation	41.7%

	Nb logs	Volume (pi³)	Fbm
Total	7902	27686.507	172464

Average

Volume (pi³)	Length	Diameter
3.504	166	6.3

Menu

Products

Variable Frequency Drive System

- Yaskawa/Magnetek products, company established since 1915

- Up to 500HP @ 480V

- Minimize gap between each log in Scan & Set

- Maximize production, different speeds for each sawing patterns

- Control chips quality by changing speed of the Canter heads and Edging tools

- Up to 9 Network communication available (DeviceNet,Ethernet, Modbus…)

- Up to 5 years warranty

YASKAWA
A World of Automation Solutions™

Menu

Products

Species Produced in Heaw

(either on regular basis or tested with success)

Host of Pines
- Jack Pine
- Radiate Pine
- Maritime Pine
- Caribbean Pine
- Southern Yellow Pine

Douglas Fir
Alder
Black Spruce (other Spruces)
Cedar
Hemlock

Birch
Knotty Birch
Aspen
Swedish Oak
Korean Oak
French Oak
Horse Chestnut
Eucalyptus
Rubberwood
Maple

HewSaw®

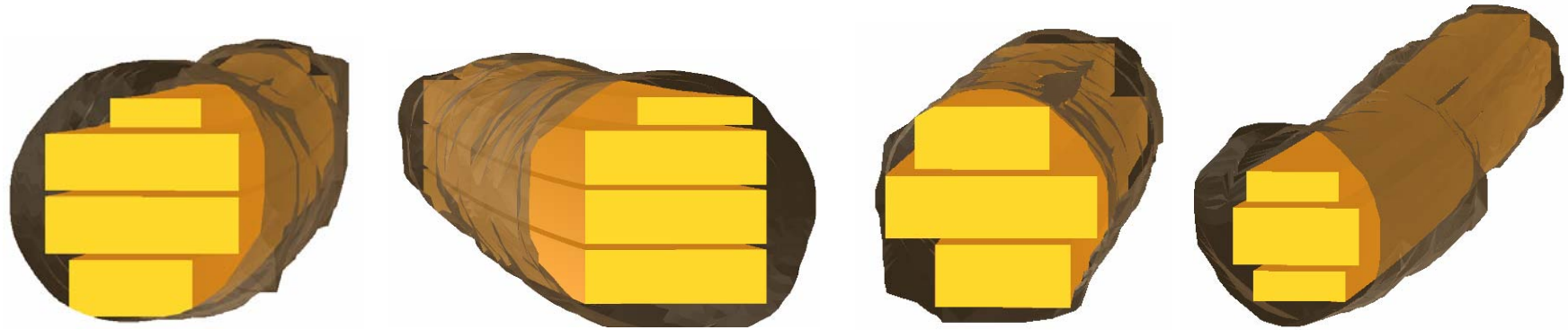
Menu

Products

Optisim Optimization

-***DEVELOPED FOR THE HewSaw***

- Products definition (Thickness, Width, Length)
- Wane rules
- Patterns definition (Control your production)
- Real optimizer kernel (Price/Recovery driven)
- < 0.5 sec, optimization time
- True Shape treatment of the data

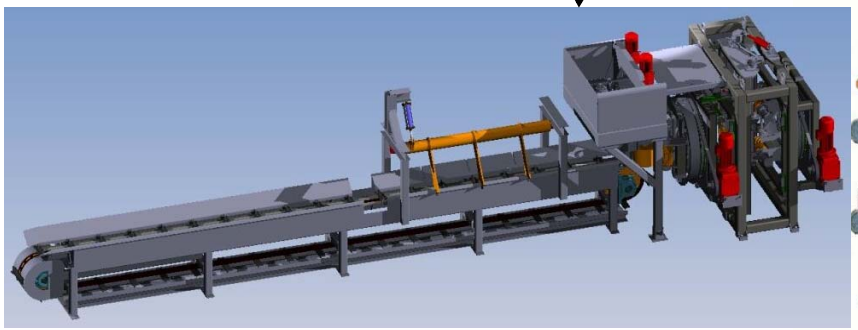


All models are still available to suit any budget criteria

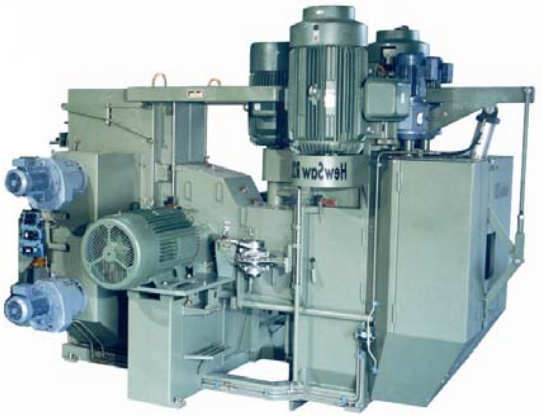
Infeed Options

Mechanical Prefeeder

Optimized Log Turner



Machine size Options



R200
2” – 12” diameter

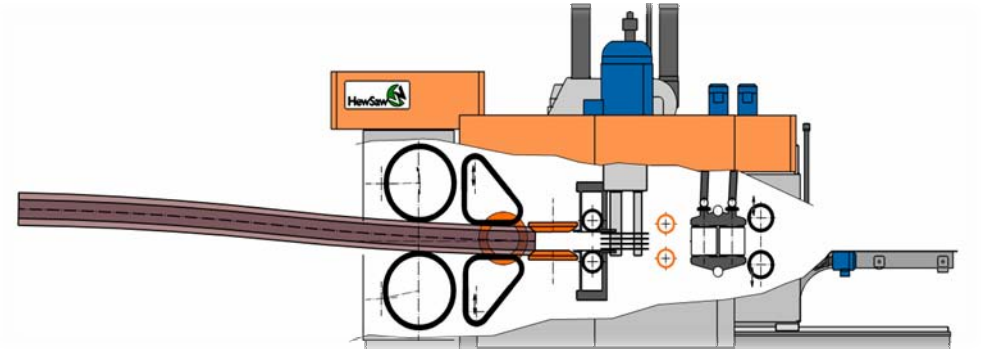
R250
4” – 16” diameter

HewSaw

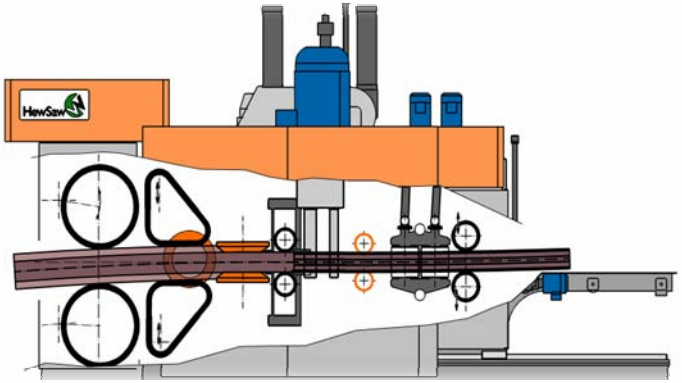
Menu

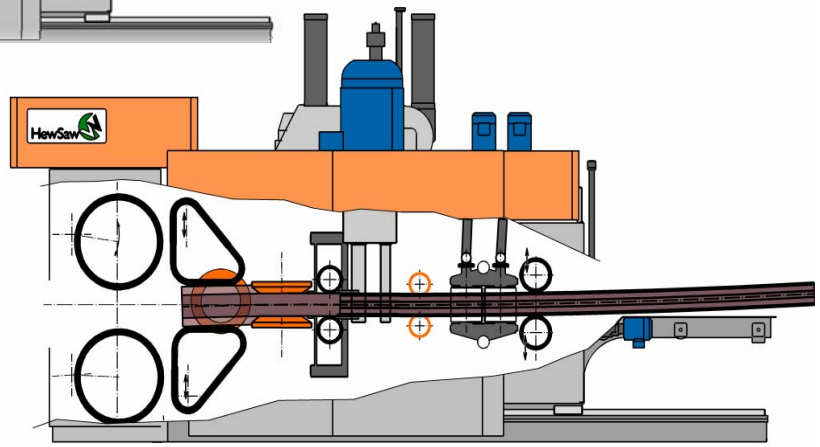
Products

S-SAWING



All breakdown machines naturally s-saws or can be controlled to follow the log shape

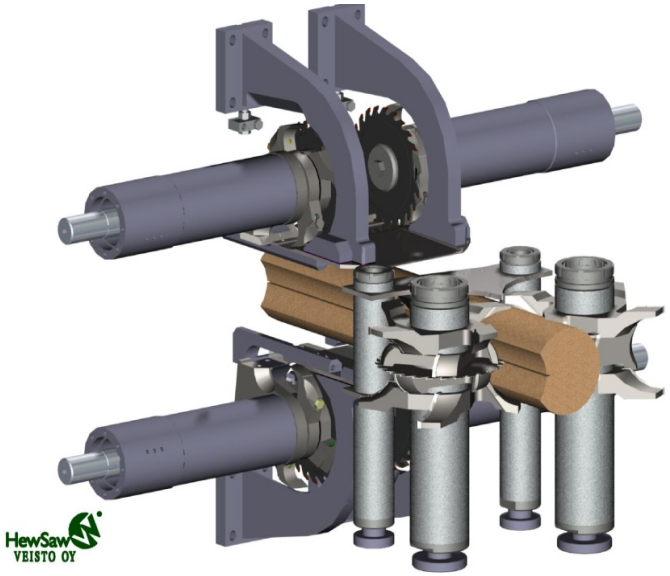




Menu

Products

Log Home Profiles



Some common profiles