


SuperSprocket™

Cost Savings: SuperSprocket™

	<u>Purchase Price</u>	<u>Replace Cost</u>
SuperSprocket™:	\$14.00	N/A
SuperSprocket™ Ring:	\$9.50	\$9.50
Industry Standard:	\$13.50	\$13.50

What this Chart Shows:

If a plant uses 1000 SuperSprockets™ and renews the SuperSprocket™ Ring every 6 years with labor that costs \$25/hr then that plant will realize the following savings after the 1st time they replace a SuperSprocket™ Ring.....

Cost Savings: \$3,500.00
 Payback: .9 Years (11 Months) 
 Productivity Improvement: \$3,125.00

Cumulative Savings (based on # of sprockets as shown)

<u>Savings</u>	<u>1</u>	<u>100</u>	<u>500</u>	<u>1000</u>	<u>2000</u>	<u>4000</u>	<u>5000</u>
1st Purchase:	\$(0.50)	\$(50)	\$(250)	\$(500)	\$(1,000)	\$(2,000)	\$(2,500)
1st Renew/Replacement:	\$4.00	\$350	\$1,750	\$3,500	\$7,000	\$14,000	\$17,500
2nd Renew/Replacement:	\$4.00	\$750	\$3,750	\$7,500	\$15,000	\$30,000	\$37,500
3rd Renew/Replacement:	\$4.00	\$1,150	\$5,750	\$11,500	\$23,000	\$46,000	\$57,500
4th Renew/Replacement:	\$4.00	\$1,550	\$7,750	\$15,500	\$31,000	\$62,000	\$77,500



Payback (Yrs) = Premium/(Avg Savings Per Year)

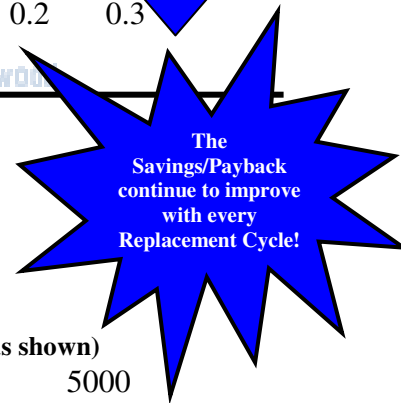
	<u>Sprocket Life (Years)</u>							
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>
1st Renew/Replacement:	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.1
2nd Renew/Replacement:	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5
3rd Renew/Replacement:	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3
4th Renew/Replacement:	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3



Innovations that improve uptime for the wood and gypsum products industries

Productivity Improvement: SuperSprocket™

	<u>SuperSprocket™</u>	<u>Indust Std</u>	<u>Time Saving</u>
Avg Time to Replace (Mins):	1.0	8.5	7.5



Cumulative Improvement (based on # of sprockets replaced as shown)

Labor Rate (\$/hr):	1	100	500	1000	2000	4000	5000
\$10	\$1.25	\$125	\$625	\$1,250	\$2,500	\$5,000	\$6,250
\$15	\$1.88	\$188	\$938	\$1,875	\$3,750	\$7,500	\$9,375
\$20	\$2.50	\$250	\$1,250	\$2,500	\$5,000	\$10,000	\$12,500
\$25	\$3.13	\$313	\$1,563	\$3,125	\$6,250	\$12,500	\$15,625
\$30	\$3.75	\$375	\$1,875	\$3,750	\$7,500	\$15,000	\$18,750
\$35	\$4.38	\$438	\$2,188	\$4,375	\$8,750	\$17,500	\$21,875
\$40	\$5.00	\$500	\$2,500	\$5,000	\$10,000	\$20,000	\$25,000
\$50	\$6.25	\$625	\$3,125	\$6,250	\$12,500	\$25,000	\$31,250