



Extend-O-Feed

Plant Name *Enter Here*

Base Case Choose between a two color 66X 113 Rotary Die Cutter or two color 50X113 FFG

Are you comparing a 66" Rotrary or 50" Flexo Folder Gluer ? Enter R for Rotary or F for Flexo

On average, how many setups do you do per shift on this machine?

How many shifts per day is the machine operating? (Assumes 8 hours/Shift)

How many days per year is the machine operating?

What is the "loaded" labor rate per hour for this machine?

How many people crew this machine?

What are the average run hours per shift?

What is the average run speed? (feeds per hour)

What is the expected productivity increase? (percentage)

What is the average sheet width? (inches)

What is the average sheet length? (inches)

What are the average number waste sheets per day due to jams or because they can't be fed?

What is the expected setup savings? (minutes)

What is the value of the work center per hour in dollars?

What are the expected annual savings of rebuild parts?

What is the Board Cost per 1000 Sq Ft?

	Base Case	Plant Response
	50" FFG	F
	7	7
	2	2
	260	260
	\$30	\$30.00
	3.0	2.0
	5.0	5.0
	7,000	7,000
	16%	16%
	30.00	30.00
	48.00	48.00
	110	160
	5	5
	\$240	\$165
	\$1,800	\$1,200
	\$39.00	\$39.00

Savings at a Glance

Savings Opportunity	Annual Savings Base Case	Annual Savings For Your Machine
Increased Capacity (in hours due to productivity improvement)	\$172,640	\$118,690
Scrap Sq Ft Saved (due to jams or sheets not fed)	\$22,308	\$16,224
Labor Savings (due to Setup Reduction -hours)	\$27,300	\$18,200
Maintenance Per Year	\$1,800	\$1,200
Labor Saving (due to percentage production increase hours)	\$37,440	\$24,960
Total Savings	\$261,488	\$179,274
PAYBACK PERIOD (Months)		4.7

Estimated Installed Cost Provided by Sun Automation Representative	\$70,250
SUN AUTOMATION REPRESENTATIVE	
DATE	



Extend-O-Feed

Return on Investments					
Annual Savings Opportunity	50" FFG	Plant System	Extend-O-Feed Annual Savings Base Case	Plant Opportunity	Formula
Increased Capacity (in hours due to productivity improvement)	719.33	719.33	\$172,640	\$118,690	$((\text{Run hours/shift} \times \text{shifts/day} \times \text{days/yr} \times \% \text{ improvement}) + (\text{set up per shift} \times \text{minutes saved per setup} \times \text{shifts/day} \times \text{days/year})) / \text{minutes per hour}$
Scrap Sq Ft Saved (due to jams or sheets not fed)	572,000	416,000	\$22,308	\$16,224	$\text{Ft}^2 \text{ lost/day} \times \text{cost/ft}^2 \times \text{days/year}$
Labor Savings (due to Setup Reduction -hours)	303.33	303.33	\$27,300	\$18,200	$\text{Minutes saved/set-up} \times \text{set ups/shift} \times \text{shifts/day} \times \text{days/yr} \times \text{men/shift} \times \text{labor cost/minute}$
Maintenance Per Year	\$1,800	\$1,200	\$1,800	\$1,200	Annual Maintenance Cost
Labor Saving (due to percentage production increase -hours)	1,248	832	\$37,440	\$24,960	$\text{Run Hours/shift} \times \text{shifts/day} \times \text{days/yr} \times \% \text{Improvement} \times \text{labor cost/hr}$
	Total Saving		\$261,488	\$179,274	
	Installed Cost		\$70,250	\$70,250	Extend-O-Feed

Gross Annual Payback

Percentage

Installed Cost

Total Savings

Pay Back Calculation

372%

\$70,250

\$261,488

3.2

255%

\$70,250

\$179,274

Installed Cost*12 months divided
4.7 by Total Savings

Total Savings divided by Installed
Cost -See Comment