



RainbowGraphics

Plant Name enter here

Base Case is a two color 66 X 113 rotary Die Cutter

	Base Case	Plant Response
On average, how many washups do you do per shift on this machine?	7	7
How long does your washup take? (minutes)	10	10
What is your estimated ink loss? (pounds)	6	6
What is your estimated water use for a washup? (gallons)	15	15
How many print stations does this machine utilize?	2	2
How many shifts per day is the machine operating?	2	2
How many days per year is the machine operating?	260	260
What is the "loaded" labor rate per hour for this machine?	\$30.00	\$30.00
How many people crew this machine?	2.0	2.0
What is your annual routine maintenance cost per print station? (recover wiper roll, doctor blades, seals)	\$1,900	\$1,900
What is the average ink cost per pound in your facility?	\$2.50	\$2.50
What is the cost per gallon of wash water disposal for your facility?	\$0.05	\$0.05
Estimated Installed Cost per Print Station Provided by Sun Automation Representative		\$35,000

Savings at a Glance		
Annual Savings vs 2 Roll System based on Industry Averages		
Savings Opportunity	Averages	Annual Savings vs. Your Machine
Ink Loss	\$45,500	\$45,500
Wash Ups	\$18,200	\$18,200
Wash Water Disposal	\$1,456	\$1,456
Routine Maintenance	\$662	\$662
Total Annual Savings/Print Station	\$65,818	\$65,818
Annual Savings with Multiple Print Stations	2	\$113,436
PAYBACK PERIOD (Months)		7.4

SUN AUTOMATION REPRESENTATIVE

DATE



Rainbow Graphics

Return on Investments Based on 50 or 66 x 115 Machine Size

	2 Roll System	Plant System	Rainbow Graphics	Rainbow Graphics Savings vs 2 Roll	Rainbow Graphics Savings vs Plant System	Annual Savings vs 2 Roll 2 Color Machine	Plant Opportunity	Formula	
Ink Lost Per Color (pounds)	6	6	1	5	5	\$45,500	\$45,500	lbs saved/washup x washups/shift x shifts/day x days/year x ink cost/lb	
Wash Up (minutes)	10	10	5	5	5	\$18,200	\$18,200	min saved x wash ups per shift x shifts/day x days/year x \$/man hr divided by 60	
Wash Water Per Color (gallons)	15	15	7	8	8	\$1,456	\$1,456	gal/washup x washup/shift x shifts/day x days/yr x disposal cost/gal	
Routine Maintenance (dollars)	\$1,900	\$1,900	\$1,238	\$662	\$662	\$662	\$662	recover wipe roll cost - cost of blades & seals	
	Wipe roll recover		Blades & Seals			Total Saving	\$65,818	\$65,818	Per Print Station
						Installed Cost	\$35,000	\$35,000	Per Print Station

\$113,436

Gross Annual Payback
Installed Cost

162%
\$70,000

Total Savings divided by Installed Cost -See Comment
162%
\$70,000

Savings for Additional Color(s)
Total Savings

\$47,618
\$113,436

Savings based on the number of Print Stations entered for plant machine
\$47,618

\$113,436

Pay Back Calculation

Installed Cost*12 months
7.4 divided by Total Savings

