

Sample Cost Savings for Automation Calculator		Units
Blocks shown as light blue are editable		
Investment Costs		
Purchase price of equipment	40,000.00	\$ ▼
Cost of end effector	10,000.00	\$
Software integration	20,000.00	\$
Cost of part feeders	10,000.00	\$
Installation cost	4,000.00	\$
Technical risk	0.00	\$
Misc	0.00	\$
Operating Costs (yearly)		
Training	5000.00	\$
Product design changes	0.00	\$
Operating, utilities, and maintenance	5000.00	\$
Misc. Annual Costs	0.00	
Savings		
Direct labor	60000.00	\$
Safety and health	0.00	\$
Quality	10000.00	\$
Precision	0.00	\$
Misc. Annual savings	0.00	\$
Other (use + or - to indicate Profit or Loss)		
Other 1	0.00	\$
Other 2	0.00	\$
Other 3	0.00	\$
Taxation Rates		
Tax Depreciation rate	40	%
Calculated Results		
Investment Total Costs	84000.00	\$
Yearly Operating Costs	10000.00	\$
Yearly Savings	70000.00	\$
MACRS Percentages		
Year 0	0.00	%
Year 1	33.33	%
Year 2	44.45	%
Year 3	14.81	%
Year 4	7.42	%
Tax depreciation for year j		
Year 0 D _j	84000.00	\$
Year 1 D _j	27997.20	\$
Year 2 D _j	37338.00	\$
Year 3 D _j	12440.40	\$
Year 4 D _j	6232.80	\$
Net Cash Flows Calculated Results (Eq. 2.0)		
X ₀ =	-84000.00	\$
X ₁ =	47198.88	\$
X ₂ =	50935.20	\$
X ₃ =	40976.16	\$
X ₄ =	38493.12	\$