

ROI Calculator Template

Auto Insertion Investment Analysis

Fill in your own production data below to estimate the payback period for a THT auto insertion machine investment.

Step 1: Current Manual THT Labor Cost

Monthly THT board volume _____ boards
Manual operators on one line _____ operators
Labor cost per hour (fully loaded) \$ _____
Avg insertion time per board _____ minutes
Efficiency factor (0.70-0.90) _____

Step 2: Auto Insertion Cost Estimate

Machine investment estimate \$ _____
Useful life (months) _____ months
Estimated CPH (for your components) _____ CPH
Estimated first-year utilization _____ %
Operators per machine _____

Step 3: Payback Calculation

Current monthly labor cost \$ _____
Estimated monthly machine cost \$ _____
Monthly savings \$ _____
One-time investment \$ _____
Estimated payback period _____ months

Note: This is a simplified estimate. Actual payback depends on uptime, changeover frequency, local labor conditions, and component mix. Contact Southern Machinery for a custom ROI analysis based on your actual production data.