



Case Study

How Shoplogix maximized throughput and **increased sales revenue by €340,000** per year

THE CHALLENGE

The company underperformed and struggled to understand where they fell short. The company turned to Shoplogix for assistance in identifying inefficiencies in the print department and in determining the root causes of underperforming issues.

OUR GOAL

In this case study, our goal was to find every opportunity to improve the plant's performance. The plan involved minimizing waste and maximizing impact at every level of the manufacturing operation and translating that into either savings or a measure of efficiency.

SOLUTION

Inefficient Setup Processes

The company had a reduction in output on the printing presses. It was unclear exactly what part of the process was causing the company to miss their production targets. With different operators and 17 job changes per day on five printing presses, identifying the root causes would be a lengthy, painful process that would require time and resources that were unavailable to the company.

How Shoplogix Solved the Issue

Shoplogix pinpointed three stages of the setup process that needed improvement:



Mechanical Setup

Shoplogix delivered the ability to quickly and efficiently identify the root causes without impacting day-to-day operations.



Registration

With real-time precision, Shoplogix accumulated the continuous improvement effort and was able to track, measure and document the timing, frequency and duration of every step.



Final Adjustments

The company was finally in a position to be proactive and create a standardized process that was more predictable and reliable.

RESULTS

Improved Efficiencies and Standardized Training

The connection between setup and scrap was never so apparent. Shoplogix took the guesswork out of the equation and clearly established the relationship between setup inefficiencies and the excess waste created – in some instances by more than double. By making setups more efficient and standardizing the training for operators. The company reduced waste by **over 10% on every job change and saved over £800,000 per year.**

Shoplogix revealed that different operations had their own way of setting up jobs and were improvising and adding variations to the process. It became clear that standardizing training and education were necessary for all operators to perform their jobs efficiently.

Increased Run Speed

Shoplogix measured the speed of the machines and displayed them on real-time visual dashboards at the plant level. At a glance, operators could see and immediately understand if a job was running at the rated speed (green) or if the speed was below target (red). Operators had greater control over their performance with the confidence to make real-time adjustments based on the data highlighted on the Shoplogix Digital Whiteboard.

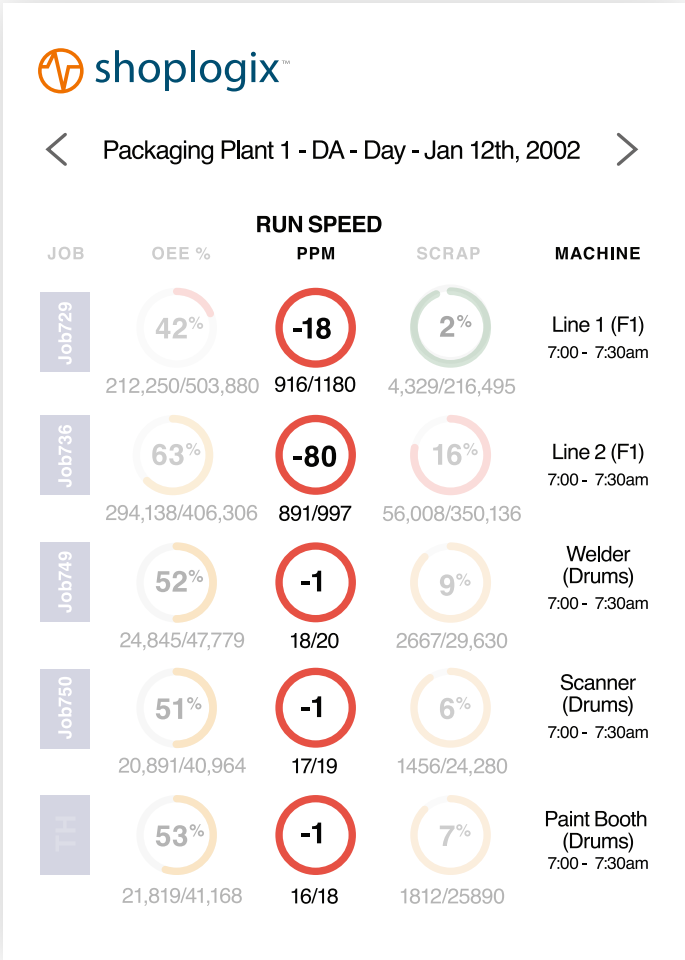
The company also added more time for regularly scheduled maintenance on the presses to ensure optimal speed.

16%

Improvement
in run speed

10%

Reduction in avg.
setup waste



Maximized Throughput Per Available Hour (TPAH)

Shoplogix provided an in-depth view into the entire flow of production and accelerated root cause analysis with real-time performance metrics. The visual dashboards made it easy to identify weak points in the process, which allowed the company to take immediate action.

£340,000

Increased sales
revenue per year

£800,000

Savings per year

By maximizing TPAH, the company increased sales revenue by an additional £340,000 per year.

Run speed improved by over 16% on the presses from 174 to 201 ppm.



Improved OEE

Improving efficiency during the setup process and identifying the optimal run speed had a huge impact on OEE and streamlined manufacturing operations at the company. Operator performance improved during setups, the quality of outputs increased so there was less waste and the company was able to run additional jobs with the time they reclaimed in production. OEE improved by 9%, which translated to a boost in profitability.

By reducing the average setup waste per job, we are able to save about £800,000 per year based on an average of 17 job changes per day across five presses.

Let Shoplogix help achieve your smart factory vision. Contact us today.

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ABOUT SHOPLOGIX

Shoplogix is redefining the manufacturing industry by making the Shoplogix Platform the cornerstone of digital production and performance transformation. By empowering manufacturers to visualize, integrate and act on production performance in real time, Shoplogix uncovers hidden shop floor potential and drives rapid time to value.