

CASE STUDY

HOW HRE PERFORMANCE WHEELS REDUCED ITS ASSEMBLY FLOOR SPACE AND LEAD TIME BY 50%



HRE Performance Wheels **designs and manufactures forged aluminum alloy wheels** for racing, performance & luxury cars and SUVs.

The problem the employees were contending with was that the inner and outer rim sections of a wheelset were being sent separately to different stages of production—which would often cause some **parts being misplaced**.

Read on to learn how HRE implemented a solution which would result in **less time searching** for lost parts and **more efficiency** when tracking orders.



CASE STUDY BY

JULIEN DEPELTEAU

CHIEF EXECUTIVE OFFICER

50%

LEAD TIME REDUCTION

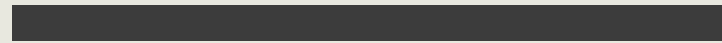
50%

SAVED FLOOR SPACE IN ASSEMBLY AREA

25%

REDUCTION OF WIP

65



KITTING CARTS BUILT



THE PROBLEM

TOO MUCH TIME SPENT UNLOADING, LOADING, AND SEARCHING FOR PARTS

Workers would be **batching and stacking on pallets** or placing wheel components anywhere on steel racking. The production manager would spend up to **4 or 5 hours a day locating parts** on the floor.



THE SOLUTION

A KITTING CART FOR EACH ORDER

Each order had its black kitting cart, creating a **one-piece flow effect** in the factory. The work order followed the flow cart on a simple hook that could not be removed.

Furthermore, red kitting carts were dedicated to rush orders for clients paying the rush fee.



THE RESULTS

LEAD TIME AND ASSEMBLY FLOOR SPACE REDUCED BY 50%

The production manager now **saves 4 hours a day**. The new carts offer better staging, better flow and better order tracking. With one-piece flow kitting carts, **50% of the floor space has been recovered**, allowing the quality control station, the assembly line, and the packaging spaces to be closer together.



THE TAKEAWAY

LESS UNNECESSARY MOVEMENTS AND MORE AVAILABLE FLOOR SPACE

It's incredible to see how kitting carts were able to streamline operations, drastically cut down on wasted time, and exponentially increase productivity.

No matter the challenges you face, Flexpipe systems can be configured to meet your needs efficiently and cost-effectively.

MAKE IT WORK FOR YOU

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