

Case Study: How Havells eliminated fan mismatches & boosted operational efficiency

Havells is a globally recognized electrical appliances and consumer goods company headquartered in India. The company specializes in manufacturing and distributing home appliances, electrical wiring accessories, and various electrical and consumer goods.

Challenges



High rejection rate of 3.5%

Matching motors and blades manually proved challenging, given the extensive production volume of 3 lakh fans per month, resulting in a rejection rate of 3.5%.



Tedious labor-intensive processes

The manual screening of 1250 motor and blade combinations daily was labor-intensive and prone to errors, impacting both efficiency and product quality.

Business Scenario

The packaging process for ceiling fans, consisting of motors and blades produced on separate lines, struggled with synchronization issues.

Solution

Maventic implemented mDEW which leverages barcode technology, mobile readers, and SAP integration to automate the manufacturing process and resolve the synchronization challenge for Havells.

● **Barcode integration for sub-assemblies:**

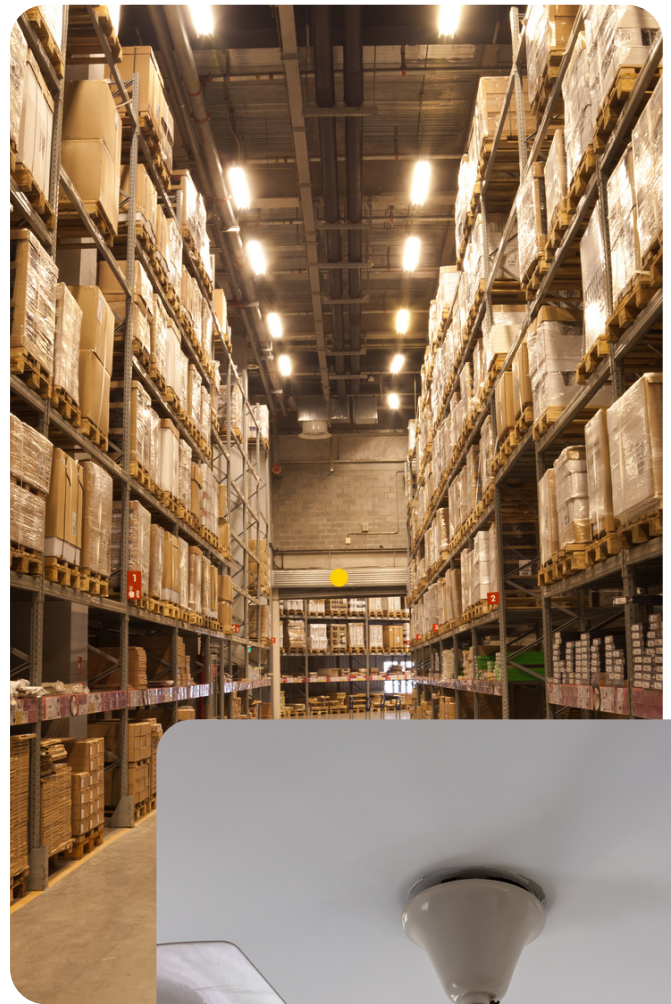
Child barcodes were created for both motors and blades, linked by a final item code, allowing them to move through separate production lines with a common identifier.

● **Barcode verification at packaging:**

Packers utilized HHT Motorola mobile devices equipped with barcode readers to verify the synchronization of motor and blade components during the packaging process.

● **Warehouse Management in SAP:**

SAP's warehouse management functionality facilitated organized picking of related materials for packaging, reducing search times for packers.



Benefits



USD 300k saved in costs



Reduced rejection rate



Improved brand value

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