# Hydrokrimp Case Study

Hydrokrimp is a leading manufacturer of High-Pressure Hose Assemblies & Fittings, strategically located in the Adityapur Industrial Area within the steel city of Jamshedpur (Jharkhand). Catering to esteemed clients like Tata Steel Pvt Ltd and Thriveni Earthmovers Pvt Ltd, Hydrokrimp supplies a diverse range of Rubber Hose Assemblies, Steel Tube Assemblies, and Fluid Connectors across India and internationally. Operating three main manufacturing units in Jamshedpur, Hazaribagh, and Jajpur, they further expand their reach with three additional depots situated in Noamundi, Ghatotand, and Joda, where hose assemblies are assembled.

## Challenges

### Understanding Production Costs:

WManual processes, fragmented data, and lack of real-time updates from various work centers make it challenging to accurately determine the cost of production (Finished Goods Costing). Hours or days are spent manually calculating costs, with uncertainty over the reliability of these figures.

### Complex BOM Management:

Maintaining different Bill of Materials (BOM) for the same finished goods across different locations results in a lengthy stock accounting process

### Master Data Growth:

As the product portfolio expands, adding more raw materials and creating additional BOMs leads to issues such as master data duplication, data integrity, and inefficient retrieval of information.

### Warehouse Product Mapping:

Absence of a provision to tag or map products to bins in the warehouse leads to limited visibility, inefficient replenishment, and difficulty in traceability, increasing the risk of stockouts or overstocking.

### Scrap Recording:

The lack of a proper provision to record expected and actual scrap during the manufacturing process results in discrepancies in quantity on hand and inefficient calculation of finished goods cost.

### Complex Estimation Process:

Procuring multiple components from various suppliers for finished goods complicates the estimation process for Make-To-Order products, resulting in time-consuming processes and revenue leakage.

## Solution Implemented & Benefits:

### Accurate Cost Calculation:

CREST’s Manufacturing module, including features like BOM, Routing Task, and detailed operation reporting, provides an efficient way to calculate finished goods cost accurately. This enhances cost control and aids in strategic decision-making.

### Flexible BOM Management:

CREST offers the option to maintain different BOMs for specific finished goods across multiple organizational units, streamlining processes.

### Centralized Master Data Management:

CREST's Centralized Master Data Management ensures data consistency and reliability. Robust data integrity controls and powerful search functionality improve productivity and decision-making.

### Enhanced Warehouse Management:

CREST’s Warehouse Management system facilitates defining warehouse space into locations and bins, improving real-time visibility, picking efficiency, and replenishment processes.

### Streamlined Scrap Calculation:

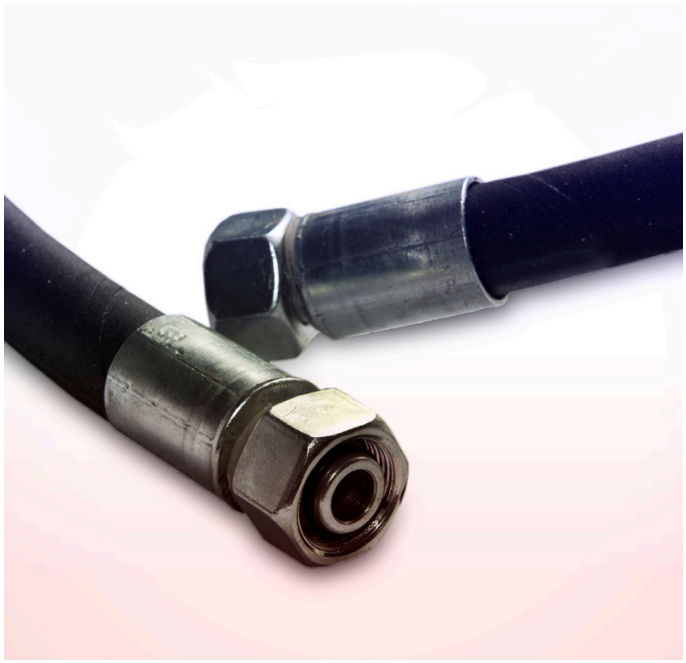
CREST allows for real-time scrap calculation during operation reporting, aiding in accurate determination of manufacturing costs.

### Quality Control Features:

CREST ERP's quality control features help identify and address quality issues, ensuring the delivery of high-quality products to customers.

### Customized Estimation Module:

A customized estimation module reduces response time and provides accurate sales estimates to customers, enhancing efficiency.



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## About Xmplar

Xmplar offers CREST-ERP - an integrated ERP suite on the cloud - that supports practically every important business process. Founded in 2013, we are a young company, with a young team. Our technical and functional members have a good background in business management systems.

CREST solutions can be deployed on both public and private cloud environments. We have customers in India, the Middle East, Africa, and the USA from the manufacturing and Trading & Distribution domains

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