

CASE STUDY:

Crystal Martin, Sri Lanka

Coats Digital's IntelloCut helps Crystal Martin plan its cutting room activity efficiently, track fabric effectively and provide real-time reporting, to improve fabric utilisation and reduce wastage. Since implementing IntelloCut, Crystal Martin has reduced its planning time by 40%.

THE CUSTOMER

Crystal International Group was formed in Hong Kong in 1970, in a small workshop with a few sewing machines and knitting looms, producing sweaters. The group has grown from strength to strength and today has 20 self-operating manufacturing facilities spread across 5 countries.



CRYSTAL GROUP

With a workforce of approximately 80,000, Crystal Martin deliver over 470 million pieces of apparel in a year to top apparel brands around the world. Their broad range of apparel products include lifestyle wear, denim, intimate wear, sweaters, sportswear and outdoor apparel.

THE CHALLENGES

1. Lack of automation of processes

With manual fabric planning and spreadsheet-based communication across departments, it was difficult for the Crystal Martin team to expedite their cutting operations. Crystal Martin needed a tool that could replace the existing manual methods of fabric planning and execution with automation, to reduce time and effort.

Solution: Automated fabric planning and execution

IntelloCut generates a cutting plan for a production order within a few clicks. Its end-to-end execution control gives the factory a complete status of the ongoing processes in real-time. In the case of Crystal Martin, the system's AI-based cut-plan, automation of cutting execution and integration with the factory's ERP system, AX Dynamics, helped the factory team to reduce their planning time by 40%.



The automated planning and real-time fabric data visibility helps the team to identify and reduce recurring errors.

KEY FACTS

CUSTOMER

Crystal Martin

LOCATION

Sri Lanka

CHALLENGES

- Lack of process automation
- Inefficient fabric utilisation
- Improper material management and control, and manual reporting

KEY BENEFITS AND ROI



Automated fabric planning and execution



Effective fabric grouping, leading to increased fabric utilisation



Real-time fabric tracking and visibility, as well as accurate reporting



Reduction in planning time by 40%

2. Inefficient fabric utilisation

The team at Crystal Martin wanted to improve their fabric utilisation. As more than half of their total garments' cost consisted of fabric, poor fabric utilisation resulted in an uneconomic cutting environment and reduced profits for the manufacturing facility.

Solution: Effective fabric grouping, leading to increased fabric utilisation

IntelloCut's fabric grouping feature allows the factory to group the fabric rolls based on different widths, ensuring the least wastage along the width of the fabric, ultimately leading to maximum fabric utilisation.

With the system's assistance and continuous improvement in the cutting room processes, the factory was able to improve the overall fabric utilisation.



The team's ability to grasp things quickly and conceptually understanding the processes led to quick implementation of IntelloCut and sustainable improvement in their everyday tasks.



Jaya Choudhary,
Professional Services Manager,
Coats Digital



3. Improper material management and control, and manual reporting

The management team at Crystal Martin faced numerous challenges affecting fabric management, such as issues related to end-bit management, fabric tracking and proper information flow across departments. Additionally, manual reconciliation of data and report-making consumed a lot of factory's time and effort which made it difficult to make business-critical decisions on time.

Solution: Real-time fabric tracking and visibility, as well as accurate reporting

IntelloCut helps the planning team to make real-time decisions with the help of live production statuses and a continuous floor feedback mechanism. The fact that IntelloCut can record every inch of fabric used on the cutting floor, allows the factory team to gain end-to-end visibility over the cutting operations. IntelloCut also helps reconcile a variety of cutting room data into organised order-wise and style-wise intuitive reports that can be accessed at any time with a single click, allowing the factory to make informed decisions on time.



The sheer determination and dedication of the Crystal Martin team in learning the software acted as a positive catalyst to the implementation process. The smooth coordination and understanding between various departments of Crystal Martin was a big reason for the project to be successful.



Jaya Choudhary,
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For more information about IntelloCut's features and benefits, or any of Coats Digital's supply chain solutions, visit: www.coatsdigital.com or email: marketing.coatsdigital@coats.com