Advanced Textile Composites – Case Syudy

Textile Manufacturer Optimizes Factory Operations with Barcode Inventory System

An Overview Of Advanced Textile Composites

Advanced Textile Composites Inc. is an innovative textile company that specializes in custom fabric manufacturing. With decades of experience in the textile industry, the company has always been committed to quality, efficiency, and precision. The textile manufacturer leverages cutting-edge technology and an experienced team to produce a wide range of high-quality products including proprietary fabrics custom designed to meet the requirements of the end users. With a focus on adapting quickly to any challenge and providing tailor-made solutions, the company has built a strong reputation as an industry leader. However, they faced a challenge with managing operations efficiently in their factory. Their dedication to producing quality fabrics and continued improvement has led them to search for the perfect inventory system.

The Challenge Of Inventory Management Before Our Inventory System

Prior to adopting our inventory management system, Advanced Textile Composites grappled with manual inventory management. The company didn't have a clear way to keep track of their raw materials, including yarn, dyes and other chemicals. A lot of their employees had to spend a significant amount of time tracking down the specific items needed to manufacture their fabrics. With inaccuracies in their inventory data, they would often lose boxes or crates of their inventory and even their finished goods, leading to delays in order fulfillment. They also needed a way to monitor inventory performance. Seeing an opportunity to streamline their fabric production and optimize their factory, the company started their search for an efficient solution tailored to their textile operations.

ATC Advanced Textile Composites, Inc.
High Performance Woven Reinforcements

Industry
- Manufacturing

Key Challenges
- No previous inventory management software
- Time-consuming manual tasks
- Labor-intensive management practices
- Missing boxes and cases of inventory

Benefits
- Cloud-based inventory system
- Significant reduction in missing items
- Inventory tracking features
- Comprehensive support and training

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Why The Fabric Manufacturer Chose Our Inventory Tracking Software

While searching for the right inventory system for them, our software stood out with its versatile features. The company appreciated numerous inventory transactions in our system, which made it easy to keep historical records on their inventory and collect useful data. They also loved the reports feature in our system and the insights they could learn from it. Our software is fully configurable, meaning that they could pick and choose the features they need, another thing that attracted them to us. This extended to our personalized pricing model too as they only had to pay for features they used, unlike other options out there that did not have features that addressed all of their concerns.

How The Textile Manufacturer Used Our Inventory Management Software

To set up our system, their employees first did a bulk upload of their available inventory. While there was little to no learning curve for most of their team, our support team were there at every step of the way to help train those who needed assistance. Once they had our software up and running, they were able to use it to keep track of their raw materials, chemicals and finished goods. A typical day in their production involved multiple operations, such as rolls intake, yarn intake, issuing/moving yarn, and processing sales orders.
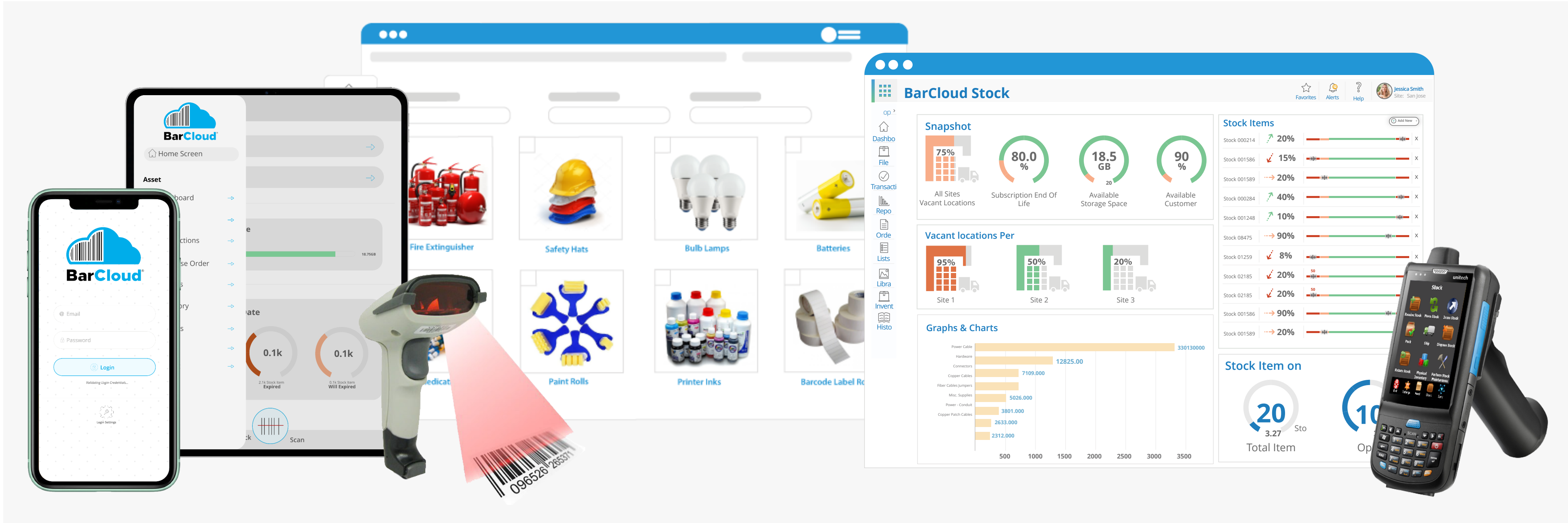
First, a warehouse worker uses the Receive Transaction to process a roll of fabric or yarn, and they will enter that inventory information into our system. Then the worker scans in the received cases using our Mobile App. Depending on the department, the worker then partially or fully uses a box of yarn to the looms in their production line with the Move Transaction. Production then

When there is a finished product, they process those according to generated Sales Orders before issuing out the roll(s) of fabric by scanning the barcodes.

The Results

Their staff used features like the receive, issue, dispose, and move transactions among others on a daily basis to keep track of their manufacturing processes. This gave them the opportunity to monitor and finally start to properly manage their inventory. Once they started collecting data on their inventory items, they were able to use the Reports feature to understand trends in their inventory consumption behavior. The Reports feature made it easy to locate any inventory item that might have gone missing.

Our software streamlined quarterly inventory audits for the company as inventory data was easy to pull up. This could be done with Historical Reports that could be easily generated in our system, with customizable categories that kept their focus on relevant data. Our cloud-based inventory system also provided a solution that takes on all the system maintenance tasks, meaning they did not need to spare employees on upkeep for the software. With streamlined operations, increased efficiency, and higher visibility over their textile inventory, Advanced Textile Composites loved the improvements that they experienced.