



ROLLS NEST

Fabric Rolls Storage Solution

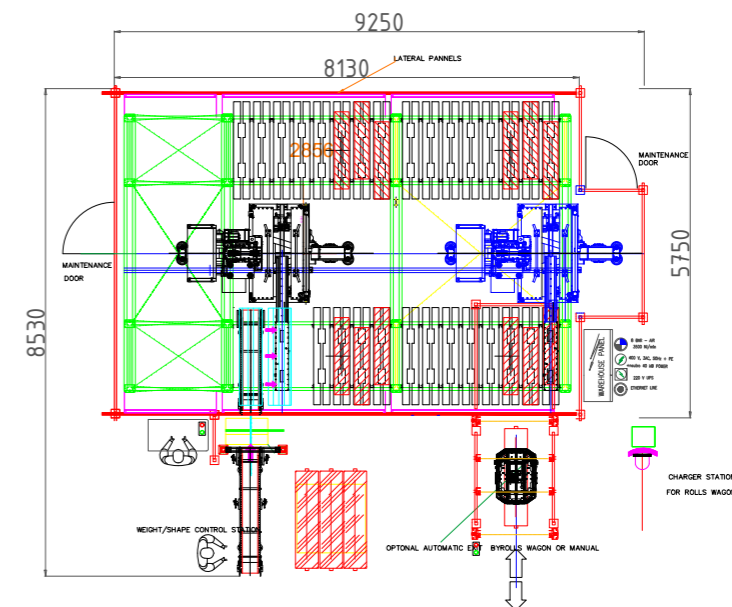
SMART SOLUTION



WELCOME TO EXPLORE THE FUTURE OF THE TEXTILE INDUSTRY

SMART SOLUTION

Welcome to explore **the future** of the textile industry with Rolls Nest, the fabric roll warehouse that represents the **evolution** in fabric roll management, storage, and handling. This catalog has been created to provide you with a detailed insight into our innovative and versatile warehouse.



The **Rolls Nest Fabric Roll Warehouse** is born out from Trascar R&D department, of a deep understanding of emerging needs in the textile market. With the textile sector constantly evolving, it has become increasingly evident that there was an urgent need for a storage facility that could adapt to **rapid** changes, be **flexible, modular**, and managed in an **automated** fashion.



🌀 FLEXIBILITY

Textile manufacturers needed a storage solution that could adapt to the ever-changing production requirements.

🌀 MODULARITY

Companies needed to be able to expand or reduce their storage space according to their needs.

🌀 VERSATILITY

The textile industry involves a wide range of activities, from initial production to distribution and processing. Rolls Nest was designed to cater to all these needs.

🌀 AUTOMATION

Automated warehouse management was crucial to ensure efficiency and precision in operations. Integration: It was essential that the warehouse be physically and logically integrated with all stakeholders in the system, facilitating seamless communication across different phases of the textile process.

🌀 STANDARD PRODUCT

Rolls Nest was designed to be a "Standard Product," making it accessible to a wide range of customers, including textile manufacturers, fabric roll distributors, raw fabric processing companies, fashion industries, and roll wholesalers.



These principles served as the foundation upon which Trascar-UTIT Wagner engineered the **Rolls Nest Fabric Roll Warehouse**, transforming it into a cutting-edge solution to meet the evolving needs of the textile industry.

We take pride in presenting this innovative product, and we hope this catalog provides you with a comprehensive overview of all its features and advantages.

SMART SOLUTION

TECHNICAL SECTION: MODULARITY AND STANDARDIZATION

One of the standout features of the Rolls Nest Fabric Roll Warehouse is its unwavering commitment to modularity and standardization, making it a pioneering solution in the textile industry. These principles have been incorporated into the design, allowing customers to easily find the storage solution that perfectly aligns with their workspace and fabric roll storage requirements.

▶ MODULAR DESIGN

The Rolls Nest Fabric Roll Warehouse boasts a modular design that simplifies the adaptation to varying needs. This design is founded on the idea that the future of textile storage should be flexible and responsive.

The key elements of modularity are:

Three Different Heights

The Rolls Nest is available in three distinct heights: 9 meters, 6 meters, and 4.5 meters. This versatility ensures that the warehouse.

Column Configuration

Customers can choose from a monocolumn, bicolumn, or tricolumn configuration, allowing for precise adjustments to the warehouse layout. Can be customized to suit diverse storage spaces and stacking requirements.

▶ STANDARDIZED SOLUTIONS

The Rolls Nest Warehouse offers standardized solutions that simplify the decisionmaking process for our customers. This approach ensures that the product caters to a wide range of clientele, from textile manufacturers to fabric distributors and fashion industries.

The standardization features:

Uniformity

The modular design, standardized heights, and column configurations remain consistent across all solutions. This uniformity provides customers with clear and easily identifiable choices.

Ease of Selection

With standard options you can select the most suitable solution for your workspace and fabric roll storage needs becomes a straightforward process. You can confidently choose a Rolls Nest configuration that aligns with your specific requirements.

THESE DESIGN PRINCIPLES EMPOWER OUR CUSTOMERS TO TAILOR THEIR



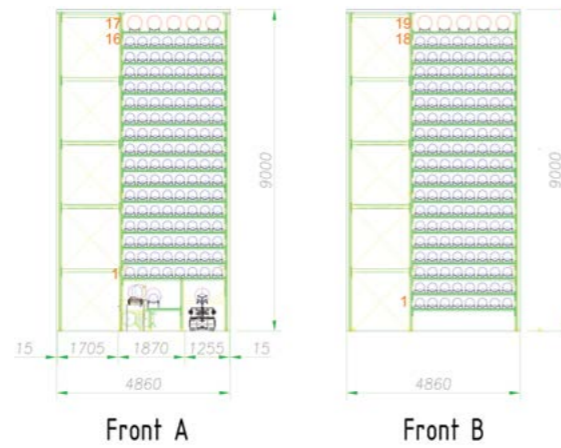
IN CONCLUSION, ROLLS NEST IS ENGINEERED WITH A KEEN FOCUS ON



ROLLS NEST SINGLE COLUMN SOLUTIONS CHARACTERISTICS

ROLLS NEST DOUBLE COLUMN SOLUTIONS CHARACTERISTICS

ROLLS NEST 9H - N. 282 ROLLS



Front A

Front B

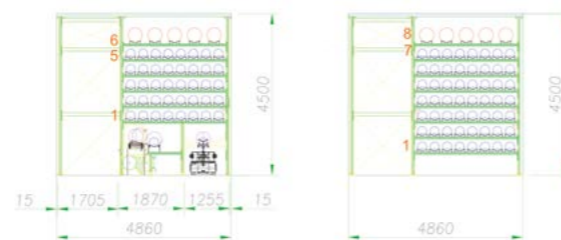
ROLLS NEST SC- 6H - N. 170 ROLLS



Front A

Front B

ROLLS NEST SC-4,5H - N. 106 ROLLS



Front A

Front B

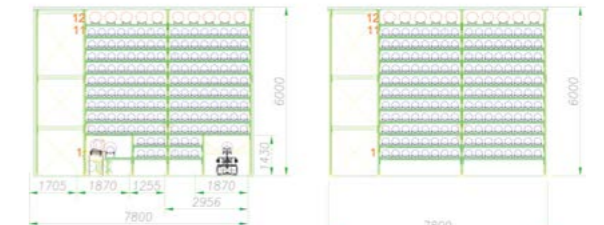
ROLLS NEST 9H - N. 576 ROLLS



Front A

Front B

ROLLS NEST 6H - N. 352 ROLLS



Front A

Front B

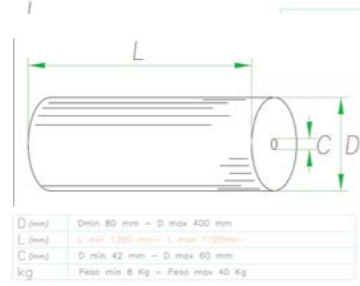
ROLLS NEST 4,5H - N. 224 ROLLS



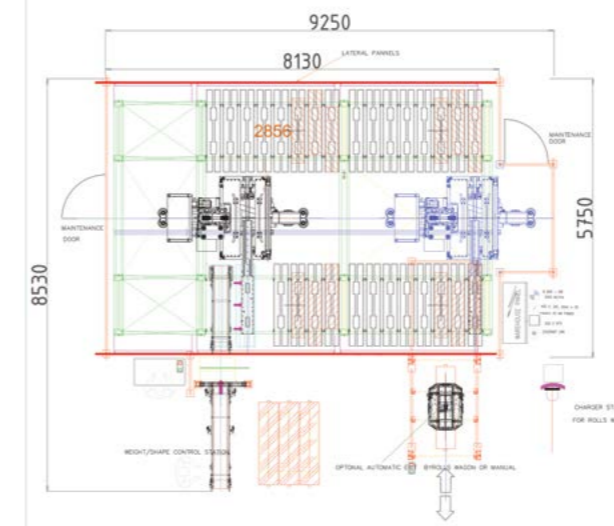
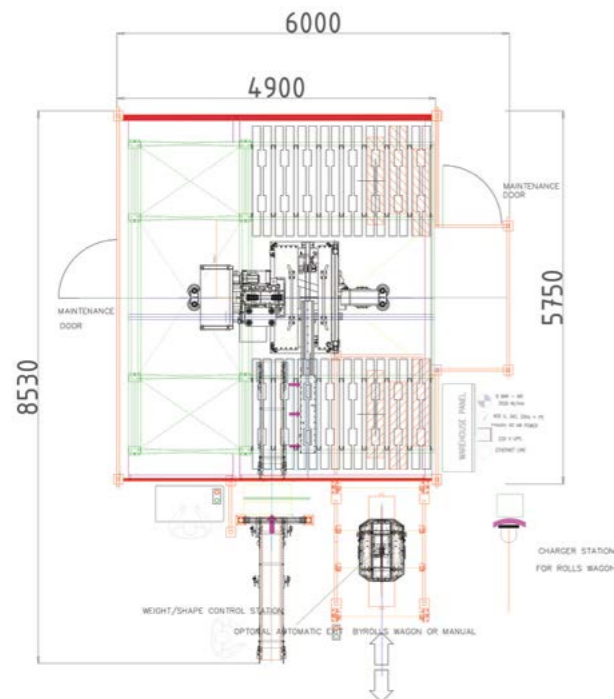
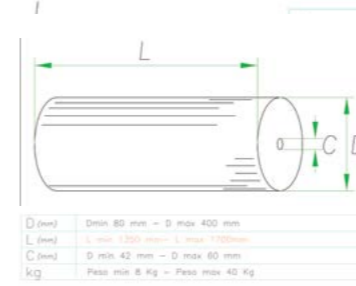
Front A

Front B

ROLLS DIMENSIONS



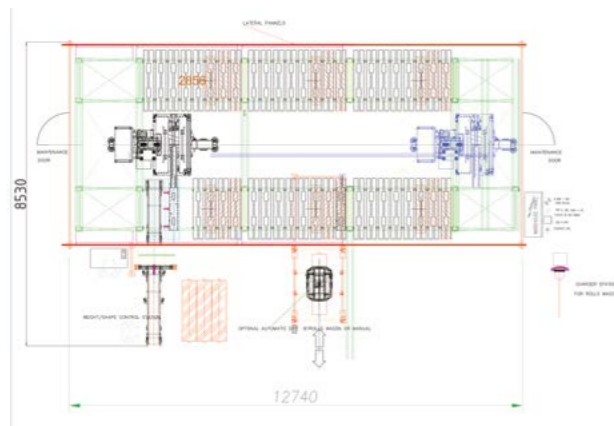
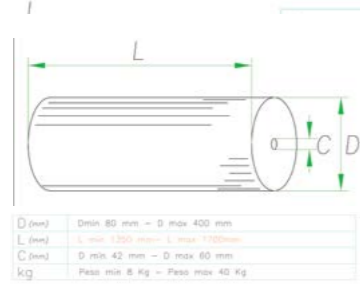
ROLLS DIMENSIONS



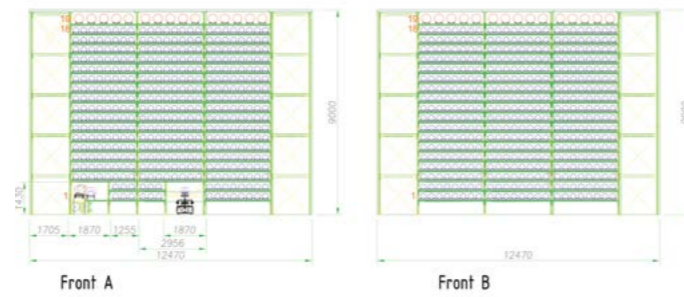
ROLLS NEST TRIPLE COLUMN SOLUTIONS CHARACTERISTICS

SUMMARY TABLE

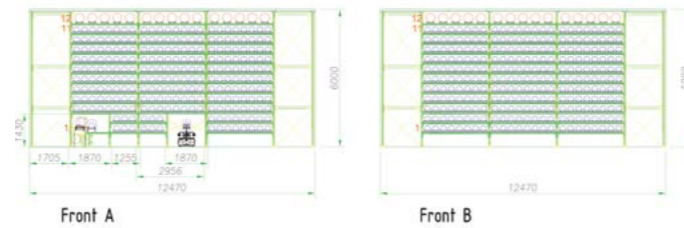
ROLLS DIMENSIONS



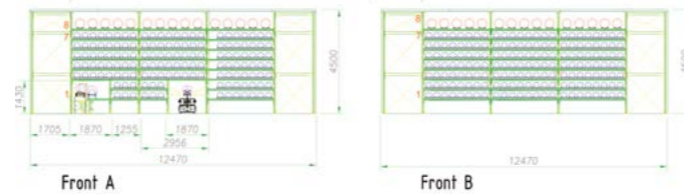
ROLLS NEST 9H - N. 874 ROLLS



ROLLS NEST 6H - N. 538 ROLLS



ROLLS NEST 4,5H - N. 346 ROLLS



ROLLS NEST Fabric Rolls Storage Solution	EXTERNAL WIDTH	DEPTH	HEIGHT	TOT. ROLL
SINGLE COLUMN	6000	5750	4.5	106
SINGLE COLUMN	6000	5750	6	170
SINGLE COLUMN	6000	5750	9	282
DOUBLE COLUMN				
DOUBLE COLUMN	9250	5750	4.5	224
DOUBLE COLUMN	9250	5750	6	9
DOUBLE COLUMN	9250	5750	9	576
TRIPLE COLUMN				
TRIPLE COLUMN	12740	5750	4.5	346
TRIPLE COLUMN	12740	5750	6	352
TRIPLE COLUMN	12740	5750	9	874



DISCOVER THE FUTURE OF FABRIC ROLL MANA- GEMENT



SMART SOLUTION

Interaction with Smart AGVs

From a functional perspective, the system is highly adaptable and can interact with Smart Automated Guided Vehicles (AGVs).

This capability allows for coordination with the **Trascar AUTOMATIC ROLLS WAGON system.**

These AGVs can autonomously retrieve fabric rolls from the head of the Rolls Nest warehouse and transport them to the relevant operational areas, serving cutting, printing, inspection, and other machines with the required fabric rolls.

TECHNICAL FEATURES: ROLLS NEST FABRIC ROLL WAREHOUSE

The Rolls Nest Fabric Roll Warehouse is equipped with a range of technical features that make it a cutting-edge solution for fabric roll management. This chapter will delve into the specifics of the system, highlighting its key capabilities and functionalities.

Stacker Crane/Shuttle System

The Rolls Nest Fabric Roll Warehouse leverages a Stacker Crane and specialized shuttle systems equipped with the necessary devices for precise and efficient fabric roll retrieval, release, and movement.

This system is designed to deliver remarkable performance, with the ability to execute an average of 10 combined cycles per hour.

Control and Automation

The heart of the movement system is the integrated Programmable Logic Controller (PLC) responsible for control and automation.

This PLC is connected to a local Operator Panel (Op Panel), allowing for real-time

monitoring and control of the warehouse's operations.

Additionally, the system features a Warehouse Management System (WMS) for seamless operational management, including article management, inventory tracking, mapping, historical data, and alert notifications.

Integration Capability

The Rolls Nest Fabric Roll Warehouse is designed with integration in mind. It can seamlessly connect to your Enterprise Resource Planning (ERP) system for comprehensive business management.

This ensures that data and inventory synchronization across your organization is effortless.



The Rolls Nest Fabric Roll Warehouse isn't just a storage solution; it's a smart, integrated, and highly efficient system that enhances the management and movement of fabric rolls in your textile operations. With its advanced technical features, it promises to streamline your workflow and boost productivity in the textile industry.

Discover the future of fabric roll management with the Rolls Nest Fabric Roll Warehouse, where automation, control, and connectivity redefine efficiency.



THE ADVANTAGES OF ROLLS NEST: UNLEASH EFFICIENCY AND PRECISION

In selecting the Rolls Nest Fabric Roll Warehouse, you're not just choosing a fabric roll storage solution; you're opting for a transformation in how you manage, control, and maximize your textile operations.

The advantages are manifold:

Modularity, Standardization, and Flexibility

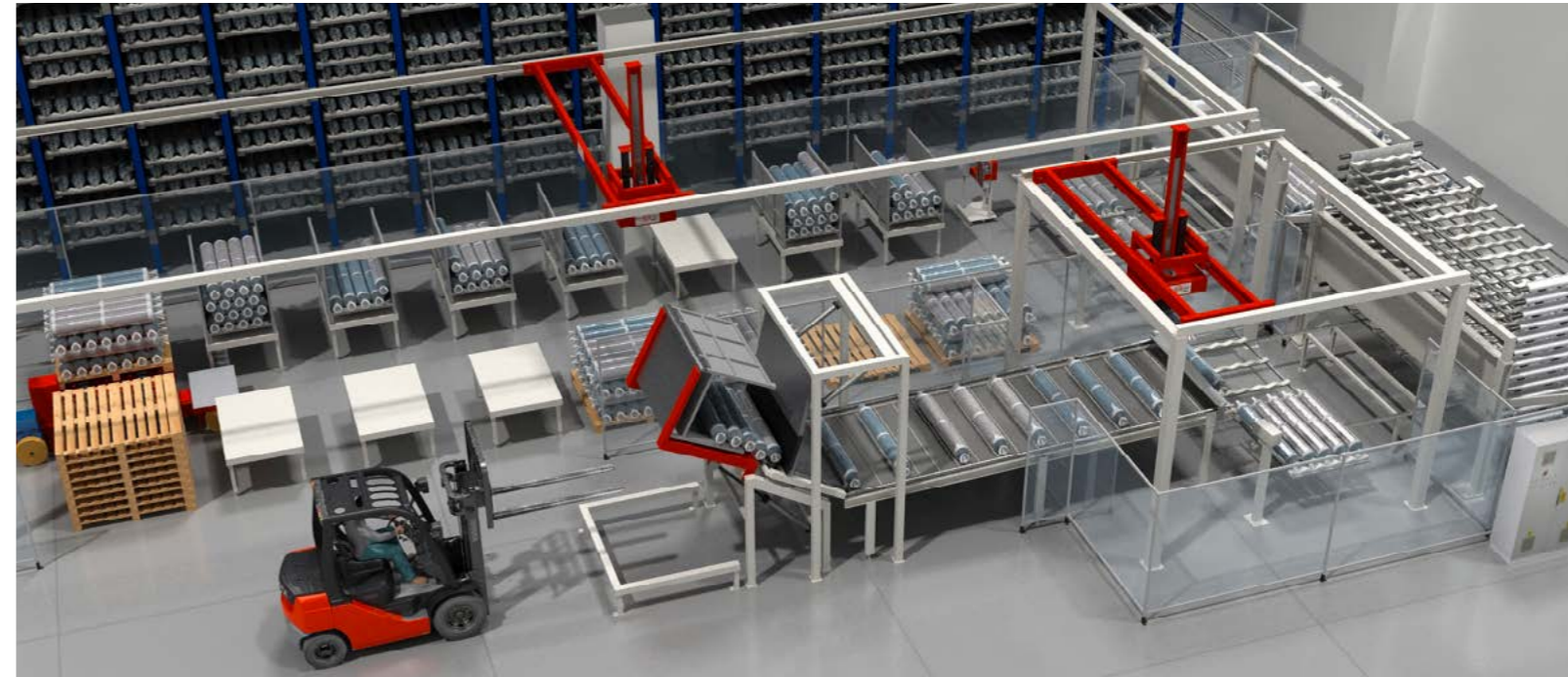
The Rolls Nest system embraces modularity, standardization, and adaptability, offering a storage solution that seamlessly fits your workspace and stacking needs.

The Rolls Nest system's physical and logical interconnectivity allows for instantaneous and comprehensive control. You'll have continuous oversight over individual articles, inventory levels, and fabric roll quantities, ensuring total traceability.

Real-time Control



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Seamless Integration

Our system is designed for effortless integration, not just within the warehouse but with your entire operational setup. It can connect automatically with other machinery, including palletizing lines and order preparation systems, eliminating the risk of delivery delays or errors due to manual roll searches.

Optimal Space Utilization

Rolls Nest makes the most of available volumes, ensuring efficient use of storage space avoiding difficult and dangerous manual operations.

Enhanced Service Quality

By streamlining your processes and minimizing the potential for errors, Rolls Nest contributes to an overall improvement in service quality, benefiting both you and your customers.

SMART SOLUTION

No longer will you contend with manual roll searches, damaged inventory due to incorrect storage, or inefficiencies in your textile workflow. Rolls Nest empowers you to seize control, increase operational efficiency, and elevate the quality of your services.

Welcome to a new era in fabric roll management, where every roll is within reach, and precision is paramount.

**CHOOSE ROLLS NEST
AND REDEFINE HOW
YOU MANAGE AND
MOVE FABRIC ROLLS
IN THE TEXTILE
INDUSTRY.**





ROLLS NEST

Fabric Rolls Storage Solution
SMART SOLUTION



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