[http://www.salgroup.it/PRODUCTION/manmade-sypah.php]

Automation for Man-made Fibre Plants: SYPAH (Salmoiraghi Yarn Package Automated Handling) System

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Complete &ldquo;from chuck to truck&rdquo; automated handling
process

Suitable for any winding equipment and

manmade

fibre

type (POY-FDY-PFY-HDY-DTY-IYGLASSFIBRE)

Total elimination of manual handling, leading
to immediate and significant improvement of
finished product quality

Sharp reduction of labour costs guaranteeing fast
Return on Investment

Considerable factory floor space gain Fully computerised operation affording real-time
system control, comprehensive data processing
and reporting facilities, absolute data integrity,
and just-in-time flexibility

Possibility to produce larger bobbins for augmented
profitability

Last but not least: safe operation and elimination
of physically demanding tasks.

STRAIGHT TO THE SOLUTION

The SYPAH system carries out a complete &ldquo;chuck to
truck&rdquo; automated bobbin-handling cycle, all the way
from the winders to the finished pallets stored in an
Autowarehouse.

SYPAH is based on a field-proven concept going back
to the early seventies that has undergone continuous
refinements, and is in constant evolution.

The system is modular, allowing Clients desiring a &ldquo;partial automation&rdquo; solution to select the part of the
system best suited to their requirements and budget.

The concept is suitable for both existing and new production
plants. While it is fully adaptable to any plant
size, it really comes into its own in the case of large
fibre manufacturing plants with daily production running
into the tens of thousands of bobbins.

Product

handling

is achieved with a relatively low number
of

steps.

A unique SYPAH feature consists of having overhead
bobbin transport and storage systems; the benefits are
easy to see - free plant floor, elimination of collision
damage, fast transport over considerable distances and
large storage capacity.

The latest system versions employ HCS (High Capacity
Shuttle) overhead vehicles allowing nearly total elimination
of ground-based conveyor lines.

SYPAH

is a fully computerised system using powerful
software allowing accurate product tracking for operational,
statistic and inventory purposes.

The Handling system closely follows plant layout and
consists of distinct areas, namely Production, Storage,
Packing and Autowarehouse.

Each of these areas is a well-defined, configurable
module employing field-proven machinery.

Each machine is custom designed and optimised for its
specific task. This approach offers fast development
times and cost effective-solutions.

The system is designed for low maintenance requirements,
and with operational redundancy in mind.

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