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

AUTOMATED HANDLING SOLUTIONS FOR TEXTURING PLANTS

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Salmoiraghi is highly active in the textured bobbin-handling
field that exhibits special requirements, and
therefore necessitates an innovative approach concerning
both the engineering solutions and

handling

equipment

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A specially designed DR (Doffing Robot - patented, &trade;),
capable to interface with any texturing machine type,
enters the machine aisle, doffs the textured yarn bobbins,
exits the aisle and sequentially transfers the bobbins
to a transport rack. The rack is then conveyed by
means of an AGV system and inserted into a comprehensive

handling system

, including

automated bobbin
quality inspection

, weighing, labelling, size checking,
packing, and

Autowarehouse

The DR is equipped with purely mechanical pickup
devices featuring high reliability and easy maintenance.

Thanks to the autonomous and highly flexible operation
mode, the machine is able to serve large production areas.

However, the DR simple concept and competitive cost
also position the DR as an optimal solution for small
texturing operations consisting of one or two machines.

In this case, the transport rack may be manually conveyed
to the necessary locations.

The latest Salmoiraghi developments are innovative
AGV-based systems for automatically supplying POY
bobbins to the texturing machines (CreelMaster vehicle),
and doffing the produced DTY bobbins directly from the
texturing machine roll-off tracks (DoffMaster vehicle).

The DoffMaster and CreelMaster equipment is internationally
patented, and represents a

novel approach to
Texturing Area automation

, combining straightforward
construction, easy maintenance, and high efficiency.

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