

SGAUTOMATION



TubeDOCKER

Tube palletizer
Thread binding

Mod. TPS-F



Tube diameter size (mm)*	from Ø50 to Ø500
Tubes length (mm)*	from 450 to 6500
Pallet High from the ground (mm)	from 1200 to 2400
Production capacity	4/5 cicli/min.
Linear speed supported	from 0 to 80 m/min.

(*) The length and maximum diameter can be evaluated in function of the user's needs.

Gripping system

The TPS uses a grip system composed of multiple suction cups arranged on a special frame automatically adjusted to adapt to any diameter and length of tube, ensuring a safe and effective grip

It does not require any manual adjustment during format change, avoiding placement errors.



Watch the video



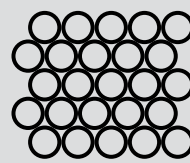
Frame the QR Code to see the video



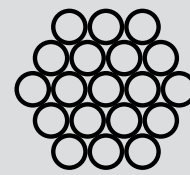
Processing

Tubes are deposited on your pallet positioned in special trolleys (adjustable) equipped with containment rack. These are then positioned manually by the operator inside the machine.

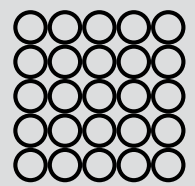
During the formation of the pallet the binding passes through the interlocking system STD. On request it is possible to have a cross-thread binding. It is automatically managed and it binds the tubes together layer by layer, giving them excellent stability. The benefit is that it can be configured (1,2 or more layers) setting it also from the operator panel. (This system gives a very safe and stable binding).



Standard rack on pallets



Packaging rhombus (Optional)



Packaging square (Optional)

Touch screen user interface

- Operator interface in Italian or in the language requested by the customer.
- Possibility to save recipe data for setting the various working programs.
- Working memory programming with recall of all the working parameters of the stored recipes
- Ability to export saved recipes.
- Ability to connect the machine to the company DB.
- Device for TeleAssistance.
- Synoptic.
- Alarms, Historical Signals.



Plus

- Fully automated on format change.
- Simple and intuitive operator interface.
- Economical and effective binding system.
- Unloading system on various types of containers (trolley with rack or other containment device).
- Gripping system with high capacity 200Kg evenly distributed.
- Small footprint of the entire plant.



Tube**DOCK**ER



Design

Our staff takes care of all of our customer's needs, following their projects from the early design phase to the production line.



Production

SG Automation produces highly customized machinery to adapt to the most diverse needs and production capacities. We have the perfect solution for every need!



Delivery

SG Automation follows all stages of delivery, starting from its organization, including assembly, operational testing and training of our client's staff.



service

To offer a quality service and guarantee mutual satisfaction, we believe it is essential to guarantee optimal after-sales service, directly from our staff.

SGAUTOMATION

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