# **ORT 1200** HORIZONTAL FORM, FILL & SEAL PACKER

# **PAGLIERANI**

# Horizontal form, fill and seal machine model "ORT 1200".

The horizontal form, fill & seal packer mod. ORT 1200 has been born after years of experience gained by PAGLIERANI in this field. An extremely compact and reliable machine, the ORT 1200 offers high output capacity and is the ideal instrument when dealing with difficult, heavy-duty applications. The machine is able to handle any type of granular, free-flowing product: plastic pellets, fertilizer, salt, granular minerals, inert products etc. The sturdy body frame is made from **special**  **hollowed-out rounded steel** to guard against dust accumulation and the electrical cables and pneumatic piping are neatly housed inside the frame (thus protecting them from abrasive chemical agents and/or accidental breakages). The film unwinding device, carried out by a simple **pneumaticallyoperated dancing roller**, eliminates any risks or problems that could arise out of using motorised devices. Increased practicality also for the **pneumatic perforator**, which can be easily **positioned** at will. A **lengthways moving blade** cuts the sack, thus eliminating the need for a specially-designed blade which may be difficult to procure. The actions of filling and of cooling the bag seals are done in **five stations**, each one of which undergoes rigorous monitoring. The **sealing** is carried out **by heated bars**, at a constant temperature, offering the possibility to vary the height and to realise numerous profiles: low, high, double, multi-line, labyrinth.



The PLC controlled **electrical cabinet** is extremely userfriendly. In fact it is neatly housed inside the main structure and **"slides out"** when necessary. Furthermore the ORT 1200 is fitted with a **take-off conveyor** for the full bags complete with **tipping device**. In an overall length of just 4.5 metres, all the various operations are completed and the formed, filled & sealed sacks are ready to be either automatically palletised, or to be loaded into trucks, railway wagons or containers.



### **UNWINDING**.

Done by a pneumatically-actioned dancing roller. More practical and far more reliable than a traditional peripheral motorised roller.



### PERFORATION.

Carried out by a pneumatic perforator having dimensions and adjustable position based on the specific application.



# FORMING.

Bag length is controlled by encoder (optional - photocell reading for print middling). Thermostat-controlled heat sealing bars for bag bottom closing. Lengthways blade for a fast and accurate cut.





### FILLING. Is controlled by sensors which activate the filling process only if a bag is properly opened and positioned correctly underneath the filling spout. The filling



LOADING. IThe machine takes a reel having a diameter of 1200 mm changeover is simple and quick (approx. 15 mins.).

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spout is of the "duck beak" type.



# TRANSFER.

This is achieved thanks to the perfect synchronization between the clamps (which hold the bag mouth) and the conveyor belt (which supports the bag bottom). The step-by-step movement is obtained through a single pneumatic actuator, both for the horizontal movement of the clamps as well as the forwards motion of the conveyor belt.



### SEALING.

Done with thermostat-controlled heat sealing bars. Thanks to the technology adopted, it's possible to select the height, profile & position of the sealing level. Protection is achieved both by heat-applicable amounts of teflon (directly on the bars), as well as with film (easily replaceable)

### COOLING.

Achieved by means of an electric fan for a gradual cooling and removing the need for parts to be fitted in the sealing zone. The consumption of compressed air is also reduced.



### **ELECTRICAL CABINET.**

The ORT 1200 is fitted with an on-board electrical cabinet already wired-up. It is extremely user-friendly and its unique design allows it to slide in and out of its central housing rendering it accessible for service requirements. Control is by means of a PLC.



PC CONTROL. All of the various phases can be controlled and monitored by a PC. By doing this, it's possible to register and verify, step-by-step, the status of each individual operation and the final productive results as a whole.

"K" SEALING. In order to obtain a compact bag it's possible to utilise "K" sealing on the bag corners. In this way the top and bottom profiles would be perfectly squared. This operation is carried out before the forming phase using extra sealing bars.





## **OPTIONALS**.

### CORROSIVE ENVIRONMENTS.

For machines destined to be deployed in corrosive environments, a special paint treatment can be used and upon request, certain main parts can be manufactured in stainless steel.