



Smart Manufacturing for the Future

Fill&Seal

Automatic packaging machine for the continuous production of metal grain bags



WHAT IS T-FILL&SEAL

The T-Fill&Seal™ machine is designed to **package metal grains**, by combining **two tools into one**: a **dosing machine** equipped with a precision load cell and a **vertical packaging machine** to pack grains in pillow bags. The

T-Fill&Seal™ machine carries out the following tasks:

- it **doses the exact grain quantity**, as set on the panel, coming from the loading hopper;
- it transfers such quantity to the **vertical packaging machine** for packing;
- it **prints dynamic data on the label** and then applies it on the bag (optional).

Metal grains can be loaded manually or by **bucket conveyor belt (T-Lift)**.

T-FILL&SEAL™ OUTPUT

From 50-60 pcs/hour to 100-120 pcs/hour

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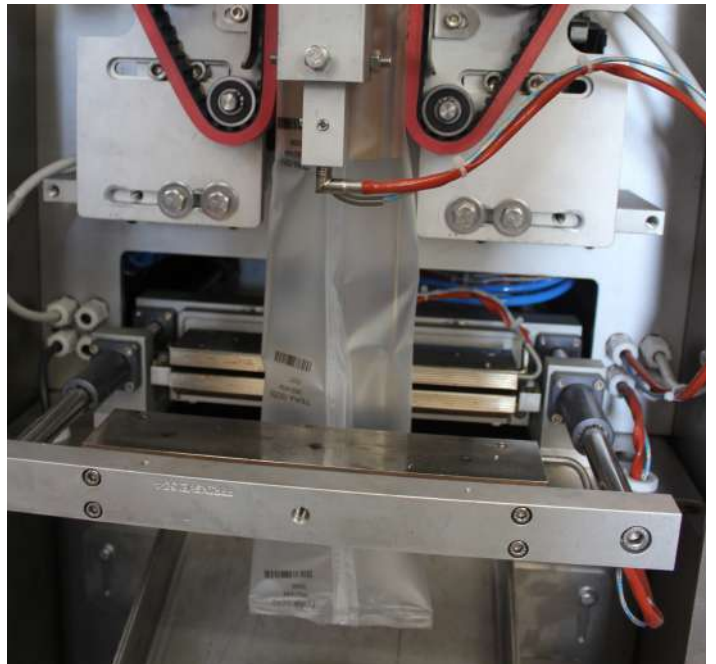
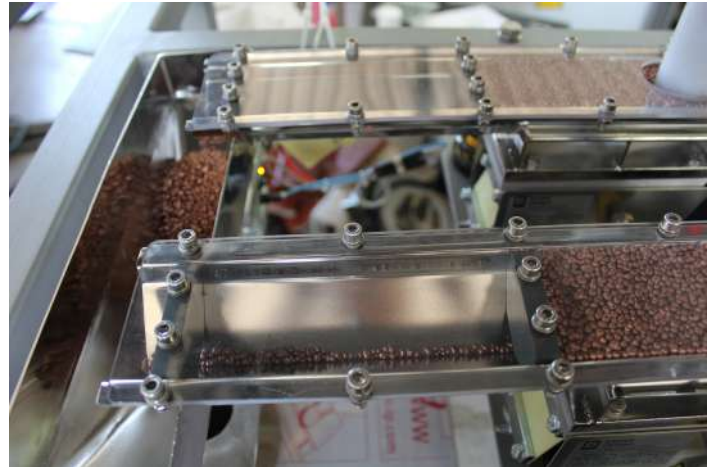
T-Fill&Seal™ is designed to **quickly switch between alloy types, without any risk of contamination**: the machine is indeed fitted with a cleaning system which empties the content left in the hopper into one or more bags (which are not going to be labeled or identified).

T-Fill&Seal is available as:



Other packaging solutions by Tera Automation

- **Tera Pack**: Blisters for coins and ingots
- **T-Pack**: Heat-shrink film for ingots



THE ADVANTAGES OF AN AUTOMATED SOLUTION

- No risk of contamination when changing metal
- Can be integrated with the customer's business management system
- Increased autonomy

HOW TO CREATE YOUR SMART FACTORY

In smart factories data acquisition systems monitor physical processes, by creating a **virtual copy of real production** and sending accurate data to the supervisor.

JARVIS is an IT product owned by Tera Automation, which enables the **interaction and connection between machines and the company's ERP system**. While the machine works, the system creates a database with the **real-time production data**, as chosen by the client, i.e. variables related to the machine.