

SEED GLAZE

Automatic system designed for the control of glazes which require to be diluted and brought to a specific density before being used by any glazing machine.

Ideal for the preparation and feeding of the basis for decoration with digital inkjet printers, Seed-Glaze allows you to always have the desired amount of product and to maintain constant the set density thanks to automatic control devices at continuous cycles with automatic recirculation.

The machine is designed to adapt to the existing equipment in the glazing line, thus avoiding the need to purchase new equipment and others dedicated to the device.
It's trolley-mounted for easy handling.
Electronic control with PLC and touch-screen color.



Principle of operation:

At the start of the cycle, the machine will fill the service tank connected with the "heavy glaze" to be diluted by taking it from the storage container through control of a suitable electro-valve.
At the end of the filling procedure, the system begins to dosage additives (if needed) and to add water by suitable cycles of mixing until reaching the density set by the operator.
Once the required density is reached, the product is ready to be sent to the feeding tank of the glazing machine. Using a level sensor installed on the user's tank, it is possible to monitor the quantity of product contained and when this falls below the minimum quantity, Seed-Glaze automatically provides to send the new glaze until reaching the maximum level.

The glaze inside of the service tank connected to Seed-Glaze is kept under constant control by the electronic density meter and suitably corrected if needed. The cycle continues with this logic until the complete emptying, after which it restarts from the beginning. At the end of every cycle, Seed-Glaze automatically washes the internal pipes, valves, and devices to be sure to have good conditions of work at the start of every new cycle.

D-Glaze benefits:

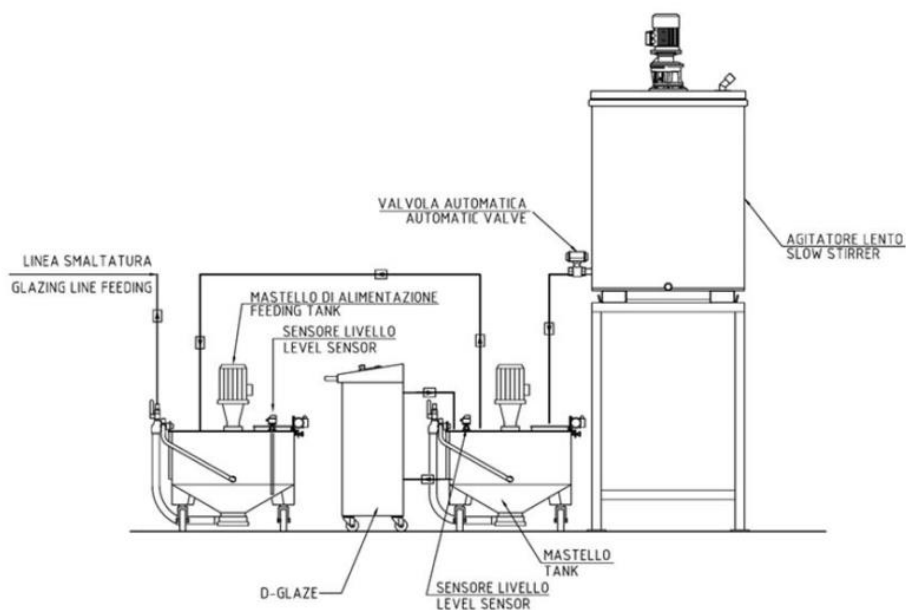
- Complete automation of glaze feeding to glazing machines and drastic stop reduction with consequent productivity increase.
- Glaze density monitoring real-time done sent to the decorating machines and full automation of density correction with consequent elimination of eventual human errors in the process.
- Avoid waste of glaze with significant savings in time and money.
- Elimination of delays due to manual glaze preparation time and increase in the quality of the final product.
- Reduction of maintenance operations of the decorating machine.

- Elimination of heavy operations: the staff will no longer come into direct contact with glazes and other potentially harmful products.

Automatic dosing device for nr.02 additives

Automatic system device, integrated into D-GLAZE device, for dosing up to nr.02 additives, complete of:

- dosing pump
- stainless steel flowmeter;
- automatic valves for product selection;
- water circuit for the automatic washing;
- integrated control software.



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