

EPOXY RESIN LINE

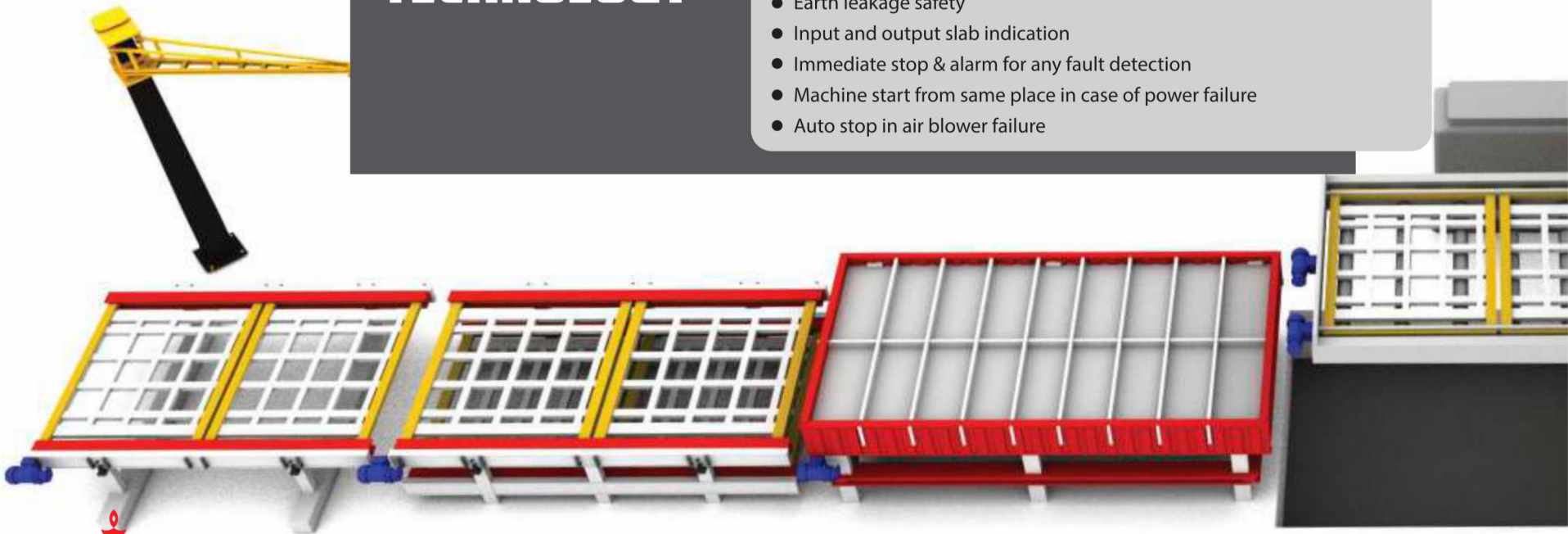
Marble & Granite

An Innovation with

**HIGHER END
TECHNOLOGY**

Salient Features

- HMI shows production and power consumption of total machine, also show per block and per shift production and power consumption
- High production with low power cost, low labour cost and space in reasonable price
- Complete auto cycle
- Over heat safety for heater bank
- Temperature setting in PLC-HMI
- Earth leakage safety
- Input and output slab indication
- Immediate stop & alarm for any fault detection
- Machine start from same place in case of power failure
- Auto stop in air blower failure



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To make the resin harden properly and in reasonably short time, suitable ovens are necessary. The oven polymerization (solidification) is the most important component of resin line. Since the positive result of the entire process depends on its effectiveness. We have designed truly unique polymerization unit. It is equipped with gas & electrical Heating system that generates warm air flow which make the resin line boast of a huge stocking capacity as per requirement so that after the fiber-nets has been positioned and the resin has been laid, material stays inside them for a long time. It is indeed advisable to keep the stone in the oven for two hours at least. The inner temperature of the ovens can be freely adjusted according to the type of resin that has been used. Vacuum treatment: the smallest stone defects are often hard to be resin-filled. We refer to the so-called "Micro-cracks", "micro-fissures" and "diagonal narrow veins". In order to improve the resin penetration inside all the cavities, the vacuum technology represents a valid solution. The chambers are auxiliary machines designed to impregnate with resin on thickness. Once the resin has been applied onto the slabs and strips which continuously shut and re-open. When the doors are shut, a vacuum generated by the pump.

Unloading Operations

Resin lines can be alternatively equipped with a tilting hydraulic bench. An operator has to take the processed materials with a "hoist and clamp lifting set" connected to a jib-crane and so to remove on the plan of tiling bench which holds a conveyor tray.



MINI RESIN LINE



Loading- unloading from one side



Blower & Heater bank



Ladder for loading - unloading slabs

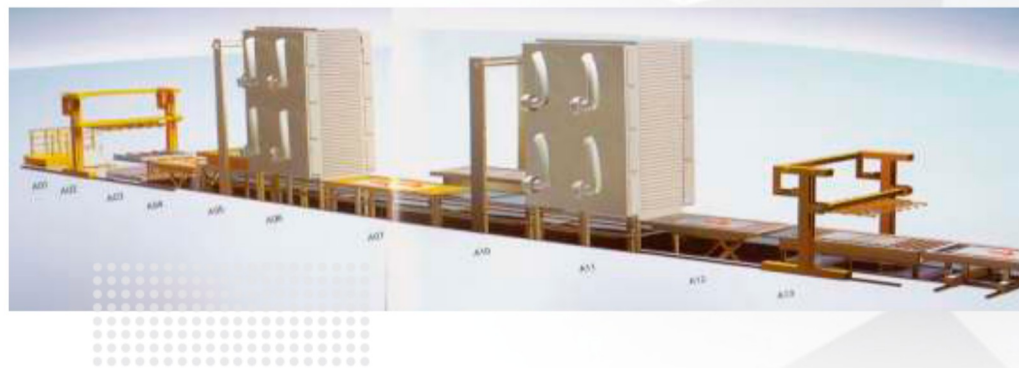
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MULTI OVEN RESIN LINE

To make the resin harden properly and in reasonably short time, suitable ovens are necessary. The oven for resin polymerization (solidification) is the most important component of Resin Line, since the positive result of the entire process depends on its effectiveness. We have designed truly unique Polymerization Unit. It is equipped with Gas of Electrical heating system that generates warm air flows which make the resin harden uniformly upon the surface of the slabs. The Polymerization Unit of the Laxmi Resin Line boast of a huge stocking capacity as per requirement so that, after the fiber-net has been positions and the resin has been laid, the materials stay inside them for a long time. It is indeed advisable to keep the stone in the oven for two hour at least. The inner temperature of the ovens can be freely adjusted according to the type resin that has been used. Vacuum Treatment: The smallest stone defects are often hard to be resin-filled. We refer the so called "micro-cracks", "micro-fissures" and "diagonal narrow veins". In order to improve the resin penetration inside all the cavities, the vacuum technology represent a valid solution, The vacuum chambers are auxiliary machines designed to impregnate with resin on thicknese. Once the resin has been applied onto the slabs and strips surface, the conveyor tray enter one by one inside the vacuum chamber, the doors of which continuously shut and re-open. When the doors are shut, a vacuum pump sucks out the air from the chamber. During the generation of the vacuum, the resin laid on materials surface is pushed with violence against the slabs or the strips and consequently its structure that allow to fully exploit the potential of the vacuum generated by the pump.



Unloading Operations

Resin lines can be alternatively equipped with a Tilting hydraulic bench. An operator has to take the processed materials with a "hoist and clamp lifting set" connected to a Jib-crane and so to remove them on the plan of Tilting bench which holds a conveyor Tray.