

## CUSTOM AUTOMATIC LINE

Our dosage plants are conceived as independent modular unity, in order to facilitate their possible utilizing in external lines and their potential expansion with other machines.

The Marty impregnation automatic lines, projected for the impregnation under vacuum or in atmosphere with two components resins also slightly abrasive (epoxy, silicon, polyurethane).



All the phases of the workmanship are subject to particular controls, with the purpose to avoid the human error and to guarantee a constant quality of the final product.

Our custom line are projected to have a perfect control of temperature (before and after potting), potting volume, vacuum values: only with this controls we could have a perfect production every days.



**TUNNEL OVEN:** By infrared lamps to have the pre-heating and the first gelification. the resin.

The time of the cycle depends from the kind of products to potting and from the resin volume.

This time depends also from the drawing of the piece: the machine model 884 normally used in the automatic line is able to dose about 4 kg./minute, but usually we can't dose so fast because we need wait that the resin goes inside the pieces. In this case we'll program a wait-time between dosages and we'll program a low dosage speed.

Usually the automatic lines are compound of:

- Pre heating oven, where the product remains about one hour at 50-60° C
- Vacuum chamber to have the impregnation under vacuum.
- Dosage plant model 884 or 881
- Polymerization oven, where the product remains at the temperature that the mixture needs.
- The products are inside special pallets: the operator (or automatic handling unit –for ex. Robot or) needs to remove the potted products and to put the new products.

