



Smart Manufacturing for the Future



# Blister

System to package precious metal ingots

- Guarantees consistent high quality of the product with double protection
- Easy handling and readily re-formatted
- Alleviates risk and reduces cost
- Eco-friendly
- May operate on its own
- May integrated in a T-Line production system



YouTube Video

## Set-Up

The electrode is designed to accommodate quick format changes to conform to the specific shape and size of ingot needed by the client in that particular operation. They are encased in customized molds and stencils. The molds are fixed on the metal work table and the stencils are located immediately overhead with vertical mobility. The two electronic parts are encased in a large cabinet with a "guillotine" type of vertically movable metal front door.



## Placing materials

The operator first places the base PVC piece in the fixed lower mold. Then s/he places the ingot in its pre-structured position within the mold. Next s/he places the pre-printed publicity paper in its pre-structured position and overall s/he places the final sheet of PVC.

## Welding

Once all the materials are in place the operator indicates on the electronic Control Panel that the T-Blister should proceed. The front door closes for full safety and the welding ensues.

## Final step

Upon completion of the welding procedure the door is

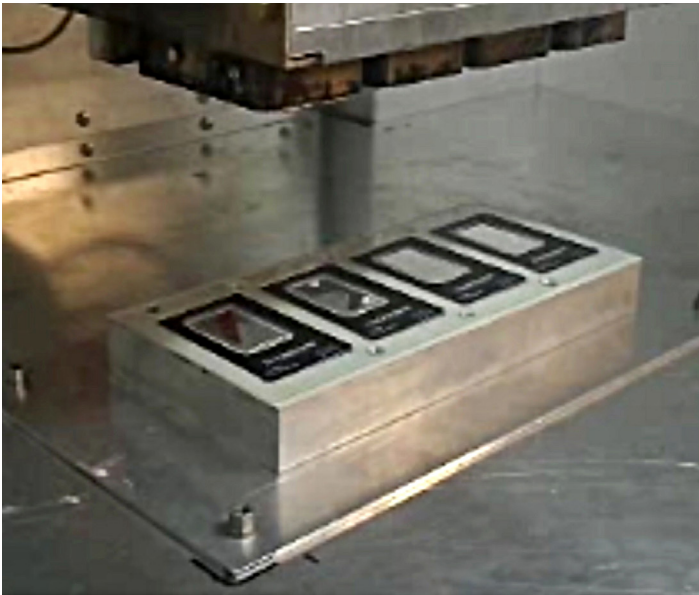
raised and the operator removes the packaged ingots from the molds.

## Total automation

To totally automate the T-Blister within a T-Line production system Tera supplies a robot to both a) place the materials on the mold, with sensors to recognize their positioning and to effect the welding process, and then b) to remove the packaged ingots from the mold.

## Benefits

Automated machinery maximizes workplace health and safety, especially in an environment where intense heat is required as in welding.



Version	Power	Production	Weldable Formats	Voltage supply	Dimensions (mm)	Weight
COMPACT	3,5 kW	800 pcs/h	Ingots: 1g/1000 g	400 V, 50 Hz, 3 Ph	680 × 780 × 1.665 h	110 Kg
			All sizes of coins			
STANDARD	5,5 kW	1.100 pcs/h	Ingots: 1g/1000 g	400 V, 50 Hz, 3 Ph	850 × 1.910 × 2.120 h	600 Kg
			All sizes of coins			