Smart Manufacturing for the Future



HUN FILM

Marking system for precious metal ingots and/or objects of diverse materials

- Customized numbering of precious metal ingots
- · Compact and modular work station
- Can mark various shapes, surfaces and materials
- Top quality and accuracy of the guidance
- Minimal maintenance



Electromagnetic micro-percussion dot matrix T-Numbering permanently marks objects from precious metal blank ingots to objects of diverse materials, shapes and surfaces. No alteration of the quantity of the material occurs. In this description it is used independently of a T-Finishing series and/ or a T-Line production series. There are two models available both modularly as well as independently. One services a marking area of 150 × 100 mm. The other services a marking area of 300 × 150 mm.





The Production Capacity varies with a) the size and shape of the objects, b) the material to be marked, c) the text to be marked, d) the depth to be marked, e) the font chosen, all to be customized per the client's specifications.

With the optional auto-sensing accessory the stylus can mark uneven surfaces with up to 12 mm variation in surface altitude.

The holding piece and loading - A choice

Atop the marking area there are metal rods firmly fixed to accommodate the required ingot in size and shape, such that it securely holds the ingot to be treated. Either an operator can load the ingot to be marked by hand, or alternatively, the same automated loading system can be applied as in T-Finishing but with a single work station rather than two or more. If this option is chosen then there are no position securing metal rods fixed to the marking area as the holding disc accomplishes this task.

Marking

Once the object to be marked lines up underneath the electromagnetic micro-percussion pressure dot matrix stylus it is recognized and sequentially numbered or dated per the client's request. It has high quality and accuracy of the guidance with a wide tolerance between the stylus and the object. The T-Numbering can mark various shapes, surfaces and materials. There is an optional sensing system for automatic surface detection to deal with uneven surfaces of up to 12 mm variation in surface altitude.

Exit

If the T-Numbering model is used independently then the operator must remove the marked object by hand. If the automated option is chosen then after one more partial rotations of the holding disc the object is removed by a conveyor belt that fits immediately below the rotating template. As such the ingot falls onto the conveyor belt which carries it.

Version	Power	Marking area (mm)	Production speed	Voltage supply	Dimensions (mm)	Weight
S	3 kW	150 × 100	5 digits per second	200 V	385 × 350 × 636 h	30 Kg
L	3 kW	300 × 150	5 digits per second	200 V	385 × 350 × 704 h	30 Kg