



T-WM

INTEGRATED WEIGHT CHECKING AND SERIALIZING UNIT FOR INGOTS

? WHAT IS T-WM

T-WM™ (Weigh and Mark) is the new solution by Tera Automation that combines a high accuracy weighing and a serializing station in a single unit. It is particularly recommended for large ingot designs, but it is also suitable for smaller ones.

👍 ADVANTAGES

- Three-in-one solution for large bars
- Easy transport of heavy ingots thanks to the special trolley conveyors
- Can be tailored to smaller bar designs
- Easy cleaning and maintenance

⚙️ HOW IT WORKS

The operator puts the ingot on the **roller conveyor**. This rolling system helps them transferring the bar to the **press station for logo stamping**. Then, the ingot gently reaches the **high accuracy load cell**, on which it is weighed. If its weight is correct, the operator pushes the ingot on the second roller conveyor and then to the **numbering station** where ingot is marked by the column-mounted dot-pen machine.



1. T-Press 33ton
2. Electronic scale for weight checking
3. T-Numbering for serializing bars
4. T-Photo Viewer for photo archiving (optional)
5. Label printer (optional)



Final result



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TECHNICAL FEATURES

T-PRESS

- **Force:** 33 Tons
- **Stroke:** 0 - 200 mm
- **Max die height:** 300 mm
- **Table size:** 500 x 350 mm
- **Operating pressure:** 6 Bar - Pneumatic

ELECTRONIC SCALE

The scale is connected to the T-Numbering™ unit for a real time data transfer enabling proper serializing of the bars.

- **Weighing capacity:** 50.200 g
- **Readability:** 0,1 g

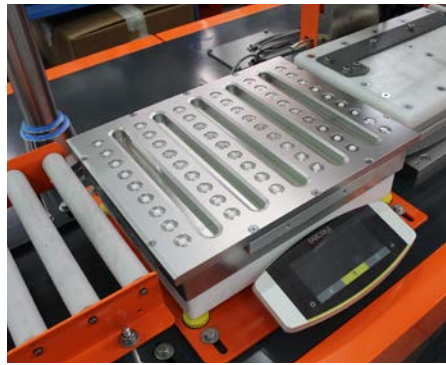
T-NUMBERING

Automatic marking machine for personalised serialisation of ingots and printing of company logos. You have the possibility of printing logos, serial numbers or customised lettering on metal surfaces by means of a column marking machine with an **electromagnetic micro-percussion marking stylus**.

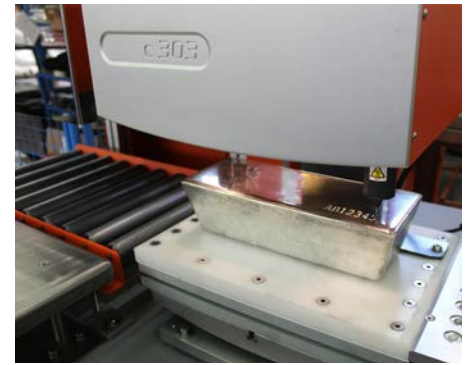
Thanks to this technology, the T-Numbering™ does not create engravings, but rather micro-hammerings. There is therefore no removal of metal, but only metal compression.



T-Press



Electronic scale



T-Numbering

TAILORED AUTOMATION FOR THE HIGHEST ACCURACY

T-WM™ was designed for checking and serialisation of ingots and can be combined with other machines, according to each operator's specific needs.



1. IT Onecast: a system that includes an induction tilting furnace and an automatic tunnel furnace for the production of Good Delivery bars directly from refined material.

2. T-WM