

# TI CAST

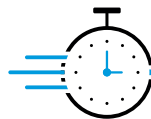
## The vacuum pressure casting machine for titanium

With a melting chamber that can melt **up to 130 g of titanium** in an Argon gas-controlled atmosphere, the TI Cast delivers an **excellent product with a smooth surface finish**.



### EXCELLENT QUALITY

TI Cast delivers a product with an **excellent finish that needs little further processing**.



### SHORT CYCLE TIMES

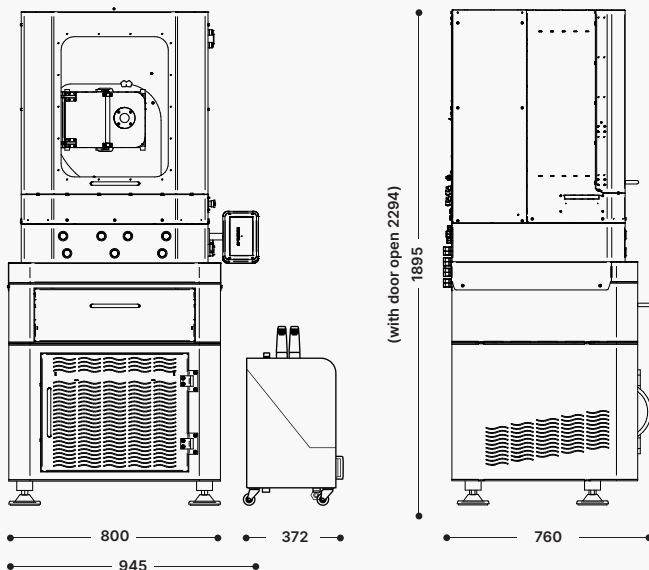
Thanks to the **new generation plasma TIG system**, the casting process is **extremely fast**.



### AUTOMATED OPERATION

While still allowing to manually setting the parameters and rotating the chamber, **TI Cast allows the casting process to be set fully automatically**.

\*dimensions in mm



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# FEATURES

MADE IN ITALY

## Visibility

Large inspection window from which it is possible to monitor the melting process and determine the ideal time to perform the chamber rotation.

## Quick controls

Main controls in manual mode to facilitate operating the machine with gloves. Once the parameters are set, the buttons allow to complete a cycle without using the touch screen.

## Water cooling

The water-cooling system of the crucible and melting chamber enables continuous operation and allows temperature stabilisation.



## Vacuum casting

The casting process takes place under vacuum and in an Argon gas-controlled atmosphere, limiting oxidation of the metal and delivering a product with an excellent finish.

## Large chamber

TI Cast melts up to two 65 g titanium capsules in a single cycle. This flexibility in the amount of material to be melted allows for reduced waste of material.

## Touch screen

7" colour display with intuitive interface, possibility to set customised programs and check the parameters during the cycle.

# TECHNICAL DATA

TI Cast

CASTING PROCESS

TIG/WIG

CASTING VOLUMES (g)

Titanium (130 g)

WORK CYCLE

Up to 6 / hour

OVERPRESSURE WITH GAS

Argon 3,5 bar

VACUUM

10<sup>-2</sup> bar

MAX FLASK SIZE (h X Ø, mm)

170 x 130

DISPLAY

Touch screen 7"

POWER

400 Vac ±10% 50/60 Hz 3-phase with neutral - max power consumption 18 kW

CASTING MACHINE WEIGHT

400 kg

GENERATOR WEIGHT

53 kg