

# TI CAST

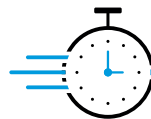
## The vacuum pressure casting machine for titanium

With a melting chamber that can melt **up to 130 gr of titanium** in an Argon gas-controlled atmosphere, the PT 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

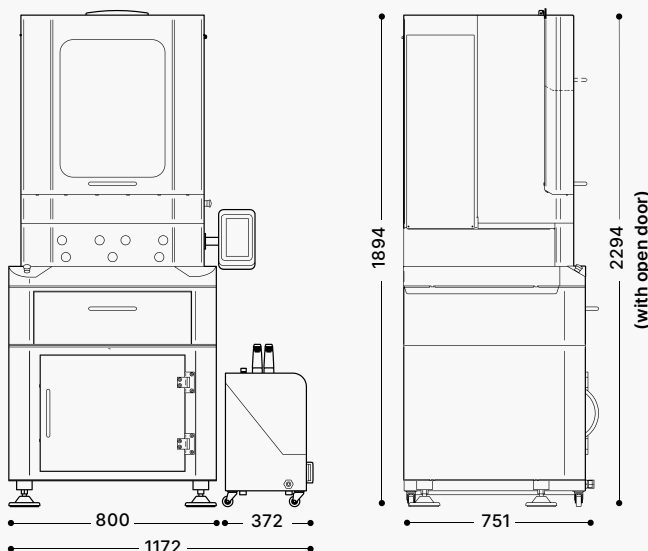
Thanks to the **new generation plasma TIG system**, the casting process is **extremely fast**.



### 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



**Discover all our machines, stay connected!**



[f](#) [v](#) [@](#) [in](#)

REQUEST A QUOTE

[sales@orotig.com](mailto:sales@orotig.com)

more information on [orotig.com](http://orotig.com)

# 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 gr 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

GENERATOR TYPE	Inverter #2 moduli
POWER SUPPLY	400 Vac $\pm$ 10% 50/60 Hz 7,5 kW
TYPE OF PROCESS	TIG/WIG
TYPE OF METAL	Titanium
MAXIMUM METAL QUANTITY	130 gr
MAXIMUM FLASK SIZE	$\varnothing$ = 130 mm, H= 170 mm
MINIMUM INERT GAS PRESSURE (ARGON)	1,5 bar
VACUUM PUMP AND COMPRESSOR	External
WORK CYCLE	up to 6 / hour
COOLING SYSTEM	Forced ventilation and liquid cooling
DISPLAY	Touch screen 7"
CASTING MACHINE WEIGHT	370 Kg
GENERATOR WEIGHT	53 Kg