

WELDING

MARKING

MILLING

CUTTING

CASTING

PROMETHEUS

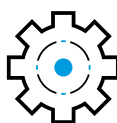
Innovative inline casting system for precious metals

Prometheus is a **fully automatic, easy to use tabletop casting machine** that enables jewelry producers to create customized designs directly at their shop, reducing lead time for the end customers.



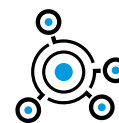
HIGH-QUALITY RESULTS

Perfectly smooth surface with reduced porosity and great alloy homogeneity are obtained thanks to the **inductive power mixing** and **automatic vacuum** and overpressure functions.



FULLY AUTOMATIC

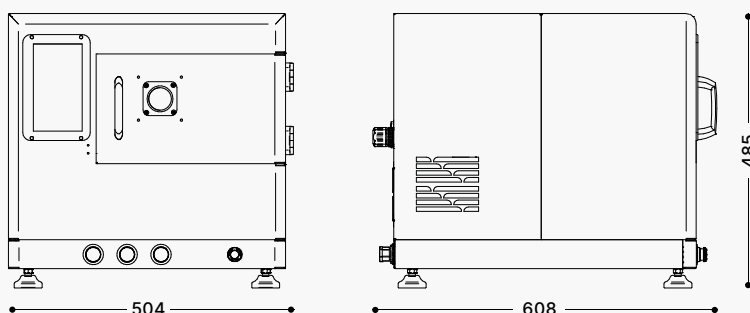
The **automatic cylinder tilting** makes it possible **even for less experienced operators** to run the casting process and ensures more consistent results.



VERSATILITY

Prometheus is the perfect choice for those working with different metals, due to its **ability to melt gold** (140 g), **silver** (90 g), and **platinum** (150 g).

Compact and robust



*dimensions in mm

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FEATURES

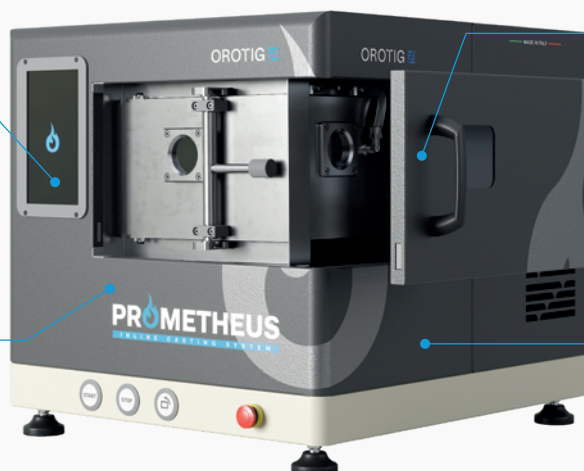
MADE IN ITALY

Easy to use

With a user-friendly interface, Prometheus is perfect for first-time operators. Simplifying the experience, it ensures accessibility and ease of use for all users.

Automatic

The operator only needs to push a button, while the tilting and the locking happens in a completely automatic way.



Compact

The integrated air/water cooling system supports 1-2 consecutive casting cycles without requiring an external chiller, helping to optimize shop space. For those requiring continuous operation, an external chiller enables uninterrupted casting cycles.

Low maintenance

Manufactured in Italy using top-quality materials, Prometheus stands out for its durability and minimal maintenance requirements.



Patented inline casting system

With its innovative linear system, Prometheus features a design where the crucible is in horizontal position and aligns perfectly with the flask. This innovative design **enables the direct and swift pouring of metal into the flask**, preventing temperature drops and minimizing vortices, enhancing the final result's quality.

★ PATENTED SYSTEM

TECHNICAL DATA

Prometheus

CASTING PROCESS	Induction
MAX CASTING VOLUMES (g)	Au 18 kt (140 g), Ag (90 g), Pt (150 g)
MIN CASTING VOLUMES (g)	Au 18 kt (30 g), Ag (20 g), Pt (50 g)
OVERPRESSURE WITH GAS	Argon 2 bar
VACUUM	10 ⁻² bar
MAX FLASK SIZE (h X Ø, mm)	90 x 100
TEMPERATURE CONTROL	Pyrometer, up to 2000° C
FLASK BLOCKING	Automatic
FLASK FILLING	Automatic
FLASK FILLING SYSTEM	Tilting
COOLING SYSTEM	Integrated air/water cooling system; external water cooling system (optional)
DISPLAY	Touch screen 7"
POWER	230 Vac ±10% 50/60 Hz Single Phase - max power consumption 3 kW
COMPRESSED AIR	Not needed
ACCESSORIES	Chiller (not included)
WEIGHT	65 kg
FUSION CYCLES	Up to 2 consecutive fusions without a chiller are allowed if ambient temperature does not exceed 30 °C. Above 30 °C, an external chiller is required.