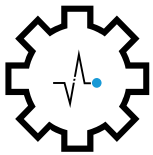




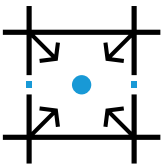
Patented inline casting system for precious metals

Orotig sets a new standard for casting 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.



Fully automatic

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



Compact

Prometheus' compact size allows seamless placement in any lab, catering to even the smallest spaces. An ideal companion for daily use, it combines efficiency with versatility.



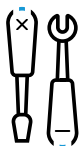
Consistent, high-quality results

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



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.



Low maintenance, few consumables

Manufactured in Italy using top-quality materials, Prometheus stands out for its durability and minimal maintenance requirements. It does not require any consumables, representing enduring quality and cost-effectiveness.

Casting volumes



Au 18K 150 g



Ag 90 g



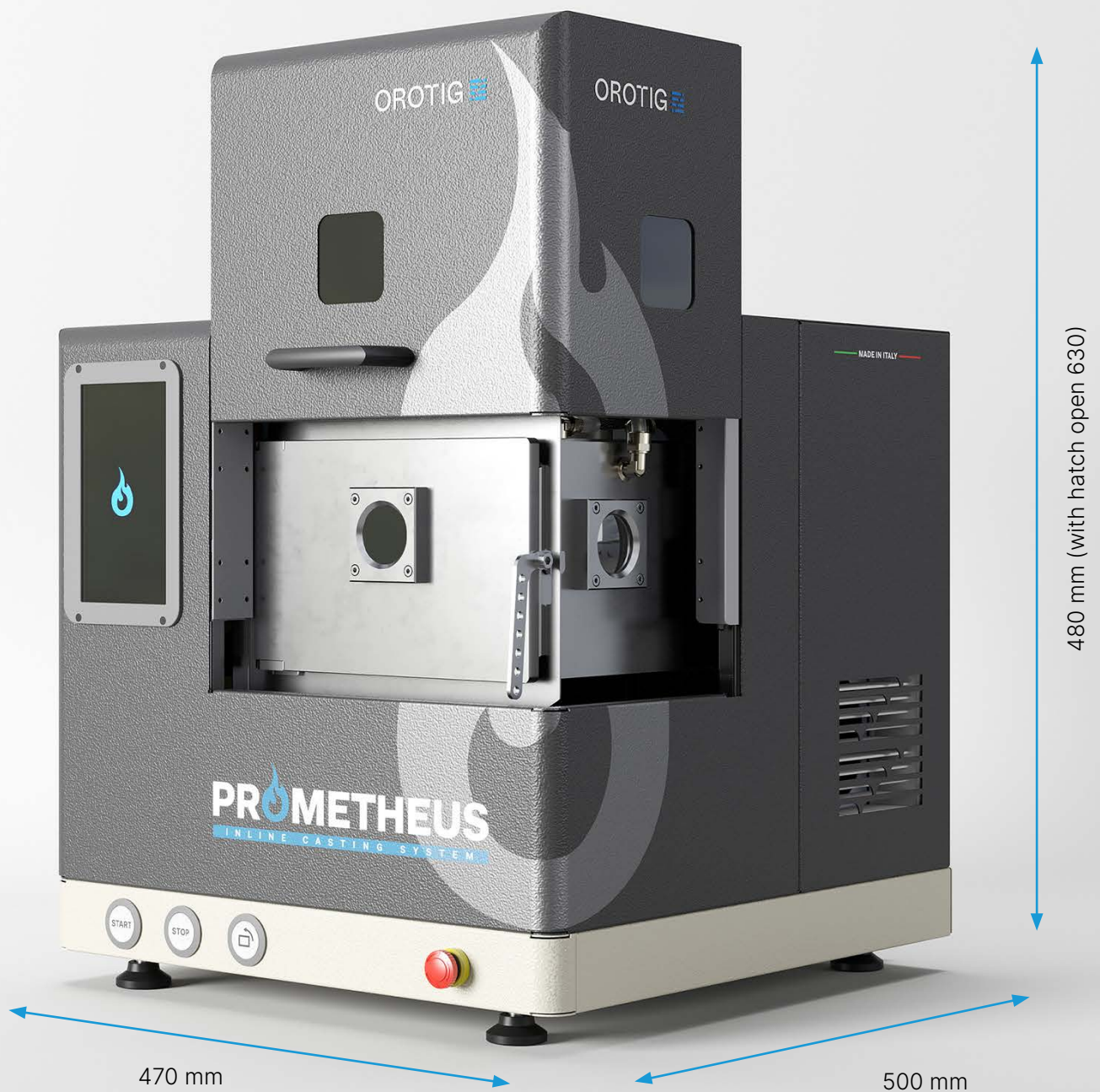
Pt 140 g

PROMETHEUS - INLINE CASTING SYSTEM

Compact

Not only does Prometheus boast a remarkably compact footprint, making it suitable for even the tightest spaces, but it also efficiently manages all automatic functions using a minimal amount of gas. This unique feature **eliminates the need for compressed air, ensuring efficient use of shop space.**

Furthermore, while in its standard configuration **the external chiller enables continuous casting cycle,** thanks to the integrated air cooling system, Prometheus **can handle two consecutive casting cycles without the need for an external chiller,** optimizing shop space even further.



PROMETHEUS - INLINE CASTING SYSTEM

The first inline casting system for consistent high-quality results

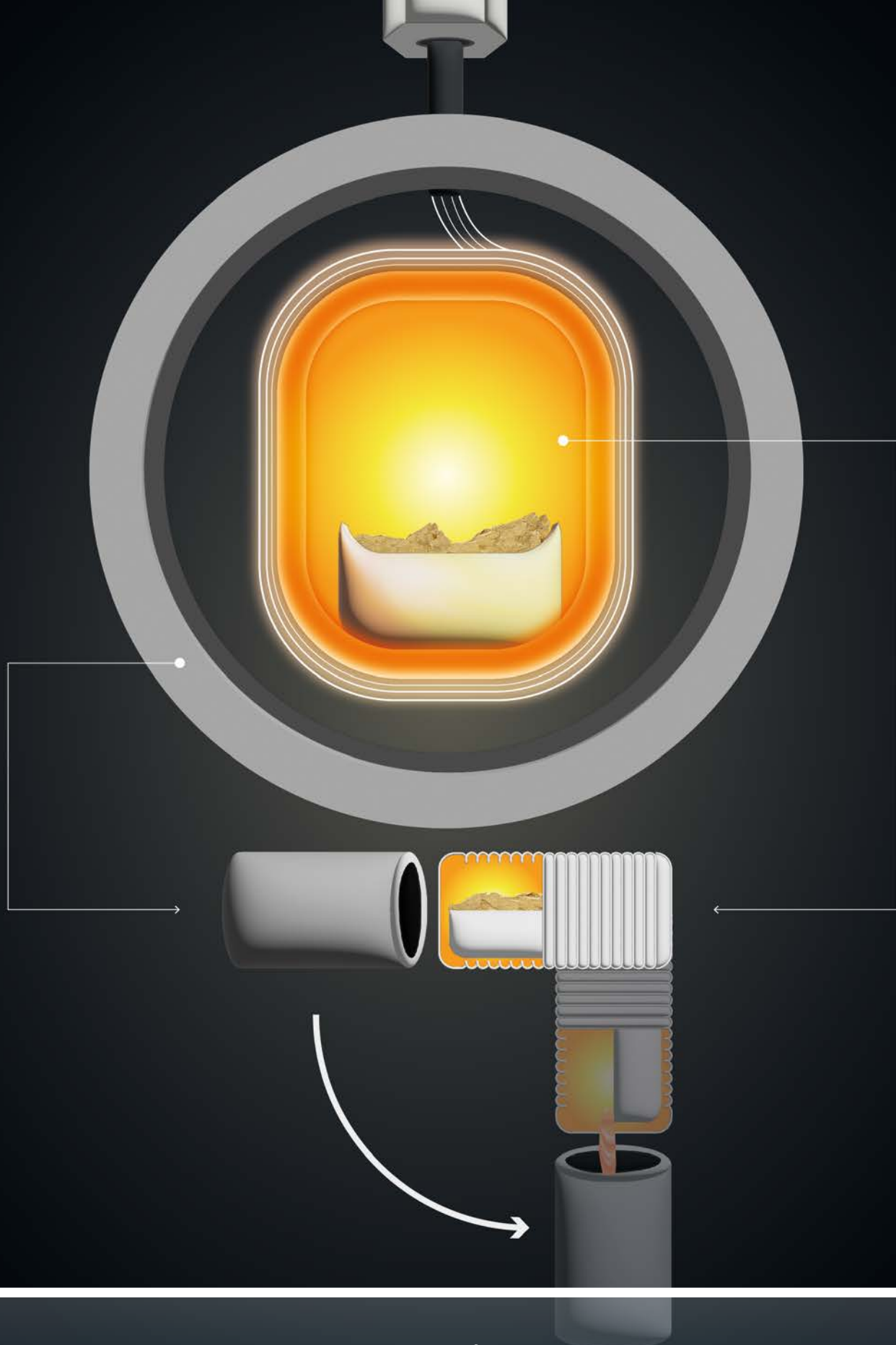
JEWELRY WITH SMOOTH SURFACE AND REDUCED POROSITY

With its patented linear system, Prometheus features a design where the crucible is in horizontal position and aligns perfectly with the flask. This innovative design marks a groundbreaking advancement, **enabling the direct and swift pouring of metal into the flask**. This ingenious approach not only streamlines the process but also **prevents temperature drops and minimizes vortices, ultimately enhancing the final result's quality**.

Moreover, **the automatic vacuum and overpressure functions (up to 2 Bar) and the inductive power mixing** elevate performance, ensuring flawlessly smooth surfaces and perfect flask filling, even for filigree jewelry pieces.



Ring casting, yellow gold



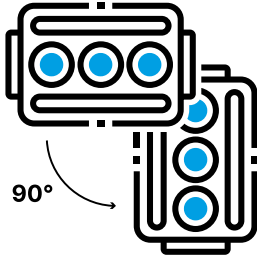
How does it work?

The direct and swift pouring of metal into the flask prevents temperature drops and minimizes vortices, enhancing the final result's quality.

Fully automated process

The flask filling process operates seamlessly through a fully automatic, one-button operation.

A mere push of a button initiates the tilting of the vacuum chamber, ensuring remarkable process repeatability and consistently superior results. This streamlined process guarantees efficiency and reliability.



Moreover, the **automatic flask blocking**, facilitated by a gas-powered piston (without the need for compressed air), further enhances workflow efficiency.

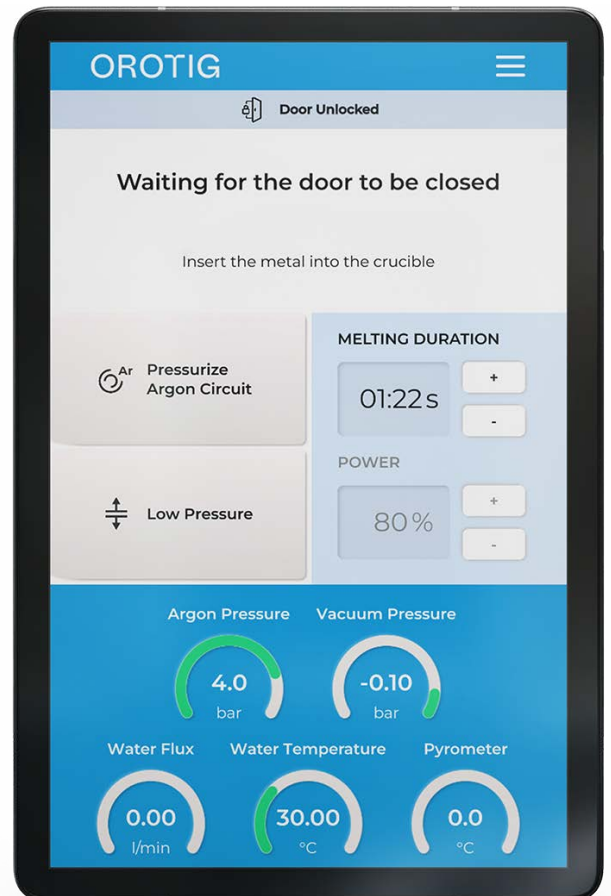
This feature empowers even less experienced operators to achieve optimal outcomes effortlessly.

Intuitive software

Experience enhanced control through Prometheus' advanced **7" touch screen display**. Engineered for user-friendly operation, this interface ensures a smooth casting experience. Throughout the cycle, casting parameters remain clearly visible, empowering operators with real-time information for optimal decision-making.

Prometheus prioritizes customization by offering the flexibility to **create personalized programs tailored to specific casting needs**. Manual controls enable effortless operation, even while wearing gloves, simplifying the user experience.

Embracing industry-leading technology, Prometheus includes **easy diagnostics, 4.0 setup capabilities, and Ethernet connectivity**.



Low maintainance

Prometheus boasts a **sturdy, heat-resistant body that ensures maximum safety and minimal absorption**. Its robust design allows **easy access to the machine core**, simplifying service and maintenance procedures and **reducing downtime**.

In contrast to machines equipped with stoppers, **it minimizes the risk of component wear and metal leakage, reducing the risk of precious metal loss**. This results in reduced operating expenses, providing an economically feasible solution without compromising performance. This reduction in consumables aligns with sustainability objectives, minimizing environmental impact.

Ultimately, Prometheus stands as a testament to durability, simplified maintenance, and cost-efficiency in precision casting technology.

Technical specifications

CASTING PROCESS	Induction	
CASTING VOLUMES (gr)	Au 18k	150
	Ag	90
	Pt	140
MAX FLASK SIZE (h x Ø, mm)	90 × 100	
TEMPERATURE CONTROL	Pyrometer, up to 2000°C	
FLASK BLOCKING	Automatic	
FLASK FILLING	Automatic	
FLASK FILLING SYSTEM	Tilting	
COOLING SYSTEM	Integrated air cooling	
DISPLAY	7" Touch screen	
POWER MAX	2,5 Kw 230V 50/60Hz	
COMPRESSED AIR	Not needed	

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