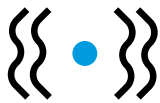


ACKERON

Excellence in platinum casting for fine jewelry

Thanks to its **innovative horizontal casting system** and a chamber capable of casting up to **500 g of platinum in a single operation**, Ackeron is the perfect solution for platinum casting, designed to ensure product quality that meets the high standards of fine jewelry.



SUPERIOR CASTING QUALITY

Ackeron ensures **perfectly smooth, porosity-free castings** with exceptional **alloy homogeneity**, thanks to its **inline casting system** that enables the rapid transfer of molten metal, minimizing temperature losses.



MAXIMUM PROCESS EFFICIENCY

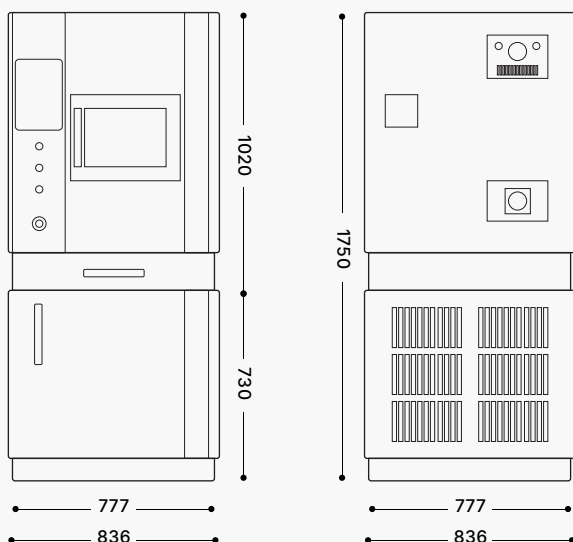
The **automatic flask locking and tilting system** reduces setup and operational times, streamlining workflow and ensuring **high repeatability** and **process efficiency**.



SIMPLIFIED OPERATION

Ackeron features a **10" capacitive touch screen** displaying real-time casting parameters. It offers **preset programs** for platinum, gold, and silver, along with 50 customizable options for straightforward and immediate casting process management.

*dimensions in mm



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FEATURES

MADE IN ITALY

Flexible solution

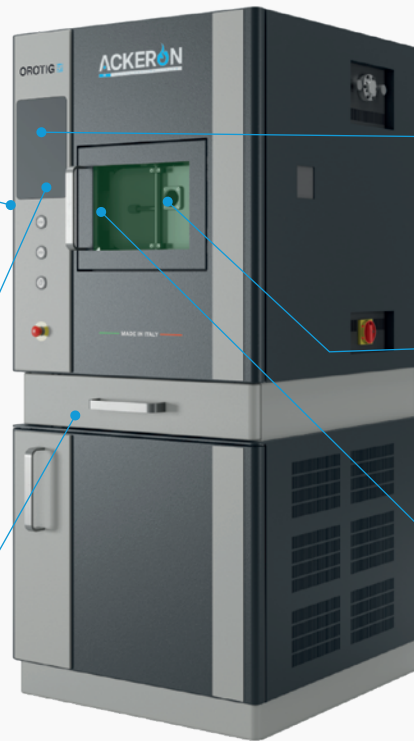
Available both as a benchtop version and with an integrated support base, which can accommodate the external chiller and vacuum pump.

Customizable casting programs

Ackeron offers three pre-set programs for platinum, gold, and silver, and allows for the creation of up to 50 custom programs.

Drawer with refractory stone

Ideal for storing crucibles, tongs, rubber molds, and other essential tools.



User interface and connectivity

Featuring a 10" color touch display and Ethernet connectivity, Ackeron enables remote monitoring and assistance.

Vacuum and overpressure

The automatic vacuum and overpressure functions (up to 2 bar) ensure a complete and uniform filling of the flask, including its most intricate branches, delivering castings with smooth and compact surfaces.

Automatic chamber tilting

The chamber rotation is fully automated, with controlled, consistent speed, ensuring maximum process repeatability.



☆ PATENT PENDING

Orotig patent-pending technology

Ackeron incorporates the innovative Orotig technology (patent-pending), featuring a horizontal crucible perfectly aligned with the casting flask. This configuration enables rapid and direct transfer of molten metal, drastically minimizing temperature loss and reducing turbulence during metal pouring, delivering castings with smooth and compact surfaces.

TECHNICAL DATA

Ackeron

CASTING PROCESS	Induction with controlled atmosphere
MAX CASTING VOLUMES (g)	Pt (500 g), Au 18 kt (370 g), Ag (250 g)
MIN CASTING VOLUMES (g)	Pt (300 g), Au 18 kt (100 g), Ag (100 g)
OVERPRESSURE WITH GAS	Argon 2 bar
VACUUM	10 ⁻² bar
MAX FLASK SIZE (h x Ø, mm)	170 x 130
TEMPERATURE CONTROL	Pyrometer, up to 2000° C
FLASK LOCKING / FILLING	Automatic / Automatic
FLASK FILLING SYSTEM	Tilting
COOLING SYSTEM	Optional external water cooling system
DISPLAY	10" Touch screen
POWER	230 Vac ±10%, 60 Hz, 3P + N + PE - max power consumption 10 kW 400 Vac ±10%, 50 Hz, 3P + N + PE - max power consumption 10 kW
COMPRESSED AIR	6 bar
MACHINE WEIGHT (+ TRANSFORMER)	310 kg (+ 90 kg)
OPTIONAL ACCESSORIES	Chiller (not included)