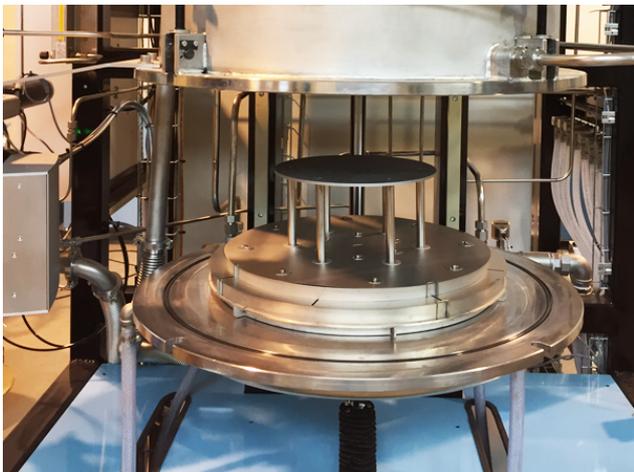
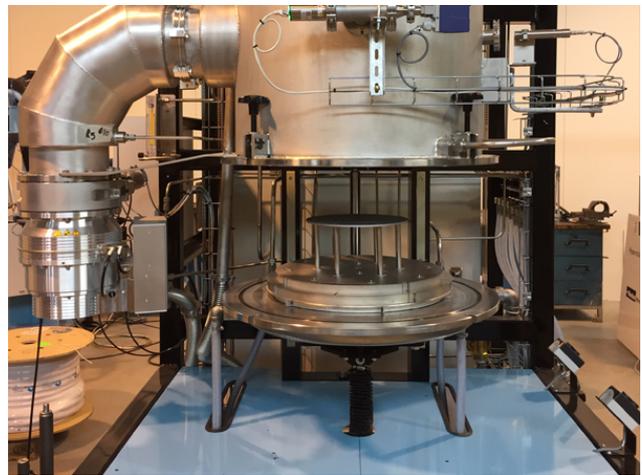


## WISTRA CRG-20

VACUUM FURNACE FOR SINTERING OR HEAT TREATMENT OF TECHNICAL CERAMICS, TRANSPARENT CERAMICS, HIGH TEMPERATURE METALS AND ALLOYS

WISTRA CRG-20 metallic furnace is designed for the heat treatment of products requiring high temperatures and perfectly controlled atmospheres (high vacuum or high purity neutral gas).



**The CRG-20 oven has a maximum temperature of 2000° C.**

Its 20-liter working volume contains tungsten heating elements and tungsten and molybdenum radiation shields. The opening and closing of the oven is made easy using an electric lifter, while the products are easily accessible for loading and unloading operations.

The furnace is designed to work under high vacuum and allows in this case to reach level of pressures lower than 10<sup>-6</sup>mbar, or under neutral gas flow (argon or nitrogen).

The furnace is controlled with a thermocouple on one zone, while a pyrometer is used to monitor the temperature as close as possible to the products during the thermal cycle.

Programming and monitoring of the oven is very simple thanks to a dedicated PC interface.

The application fields of the CRG-20 furnace are sintering or heat treatment of technical ceramics, transparent ceramics, high temperature metals and alloys, soldering/brazing operations, etc.

## WISTRA CRG-20 specifications

Working volume	21l.
Internal dimensions DxH (mm)	300x300
External Dimensions HxLxP (cm)	370x160x230
Weight (Kg)	2700
Insulation materials	W + Mo
Temperature measurement	Thermocouple + pyrometer
Controller	Stange 702
Max Temp. under vacuum	2000°C.
Max Heating rate	12°C /min
Typical absolute pressure	10 <sup>-6</sup> mbar
Cooling time	5h
Power	60kW
Current	3x80A
Voltage	400V
Vacuum pump	Dry primary pump + Turbo pump
Leakage rate at RT	<10 <sup>-4</sup> mbar l/s
Cooling power requirement	50kW
Water flow requirement	150l/min

You are welcome to come and see this furnace in our workshop. We remain at your disposal for any further information, and to provide you with a complete offer, (price, delivery time, warranty, technical description, reference list, maintenance, technical support).

## Contact us for a customized price proposal

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