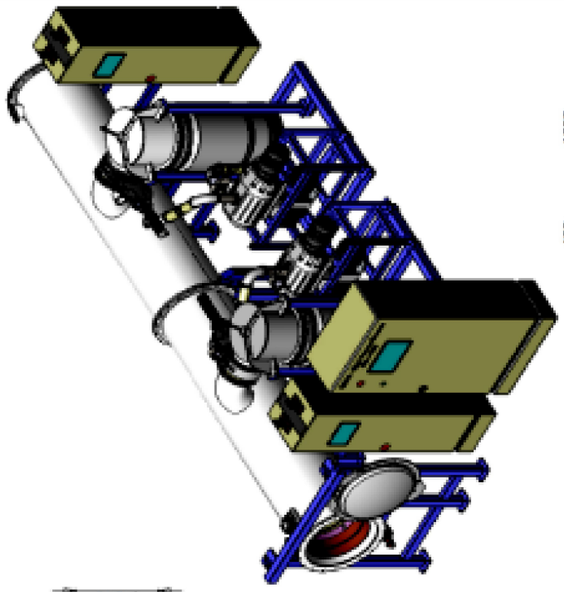

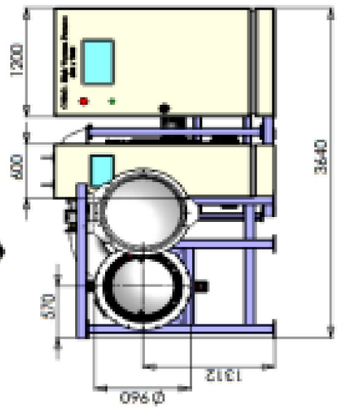

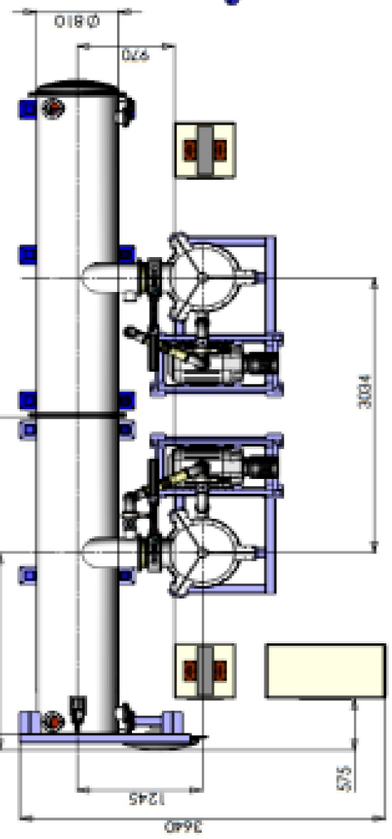

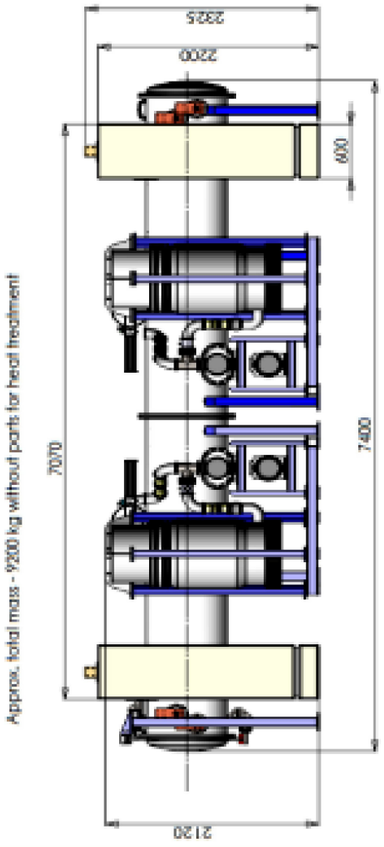

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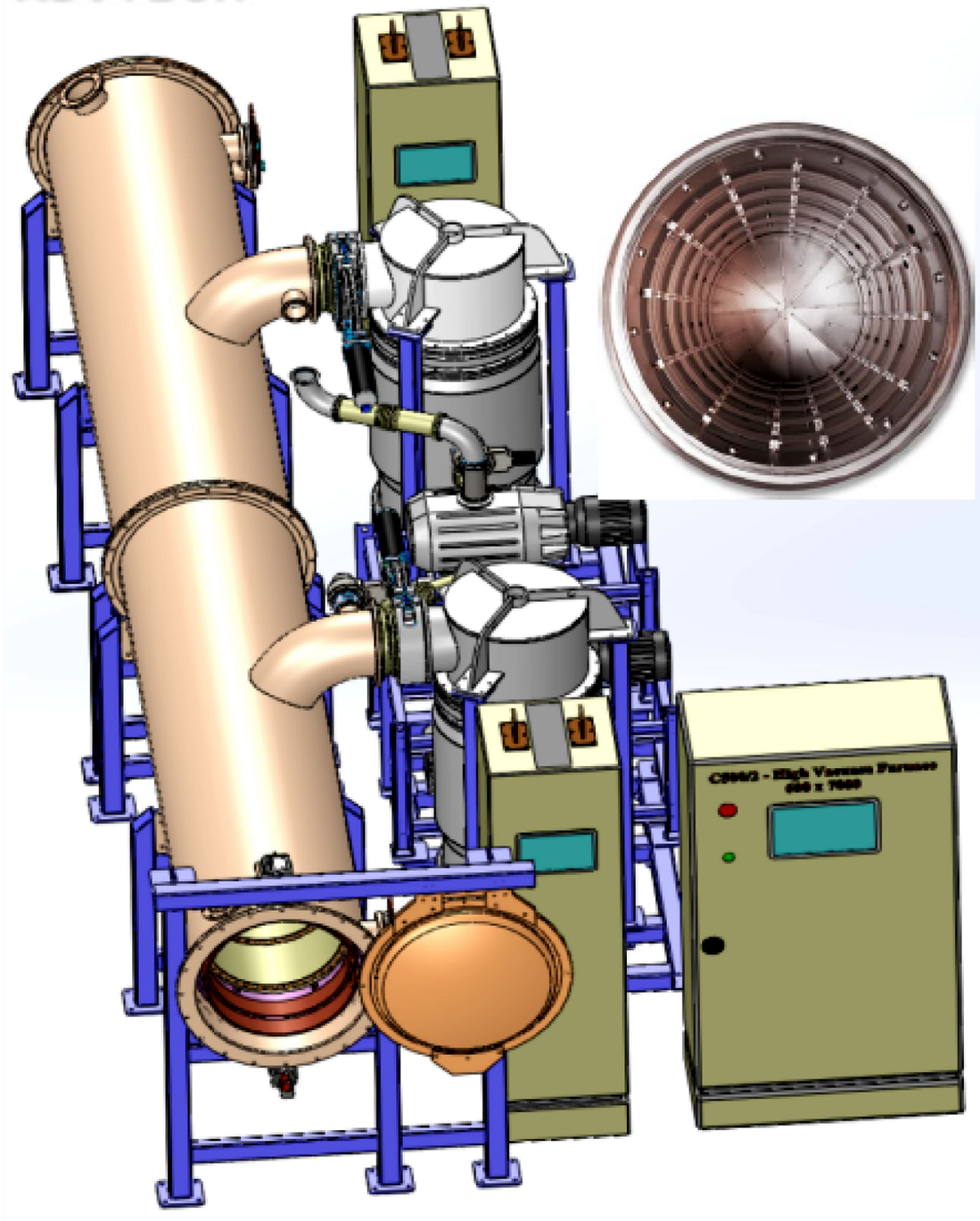
ADVTECH

HIGH VACUUM FURNACES

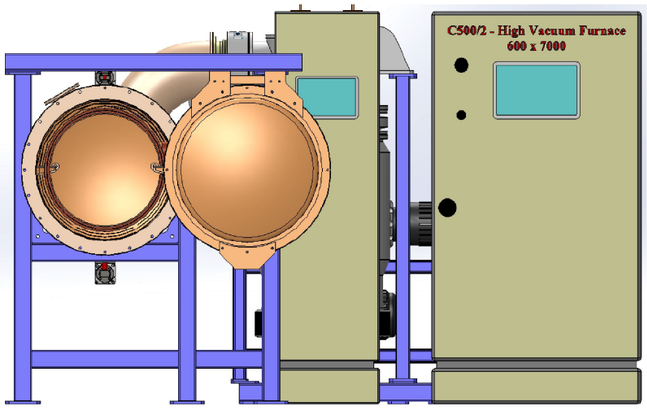
C 500 and C 750 Series



HIGH VACUUM FURNACES

C 500 Series

The **C 500** is a series of furnaces specially designed and developed for high vacuum degassing of mechanical components or materials that require this procedure and which are compatible with vacuum processing and without critical cooling requirements.



C 750 Series

The **C 750** is a series of furnaces specially designed and developed for main **low-temperature heat treatments** in high vacuum conditions.

These furnaces are particularly well suited to inert gas convection treatments after vacuum purge such as: tempering, annealing, stress relieving… customized for specific application needs.

Main technical parameters;

- vacuum level ≤ $5x10^{-6}$ mbar with vacuum oil diffusion pump
- heat treatments temperature - maximum 750 °C
- homogenity of +/ -5 °C over 250 - 650 °C range
- inert gas cooling, pressure mas 1.2 bara

C 750 Series variants and sizes;

Only **C 750/1** - single vacuum chamber modul

- useful volume: Φ = 350 .... 1000 mm,
  L = 800 .... 2800 mm, or on request,

C 500 and **C750** Series High Vacumm Furnaces are assisted by a specialized software application, that ensures the operation of equipment, and compliance diagrams temperature - time or temperature - pressure that have been set; pressure or time being selected parameters.

Main technical parameters;

- vacuum level* ≤ $5x10^{-6}$ mbar with vacuum oil diffusion pump
- degassing temperature - maximum 500 °C
  - homogenity of +/ -5 °C over 250 - 450 °C range
- cooling - naturally, up to 10 mbar (or other pressure settable) after the furnace is pressurized - cooling speed is limited by the thermal inertia of the oven,
  - injection of inert gases, cooled and recirculated - recommended at temperatures below 150 °C

* - ultimate vacuum for a degassing vacuum furnace

C 500 Series variants and sizes;

C 500/1 - single vacuum chamber modul

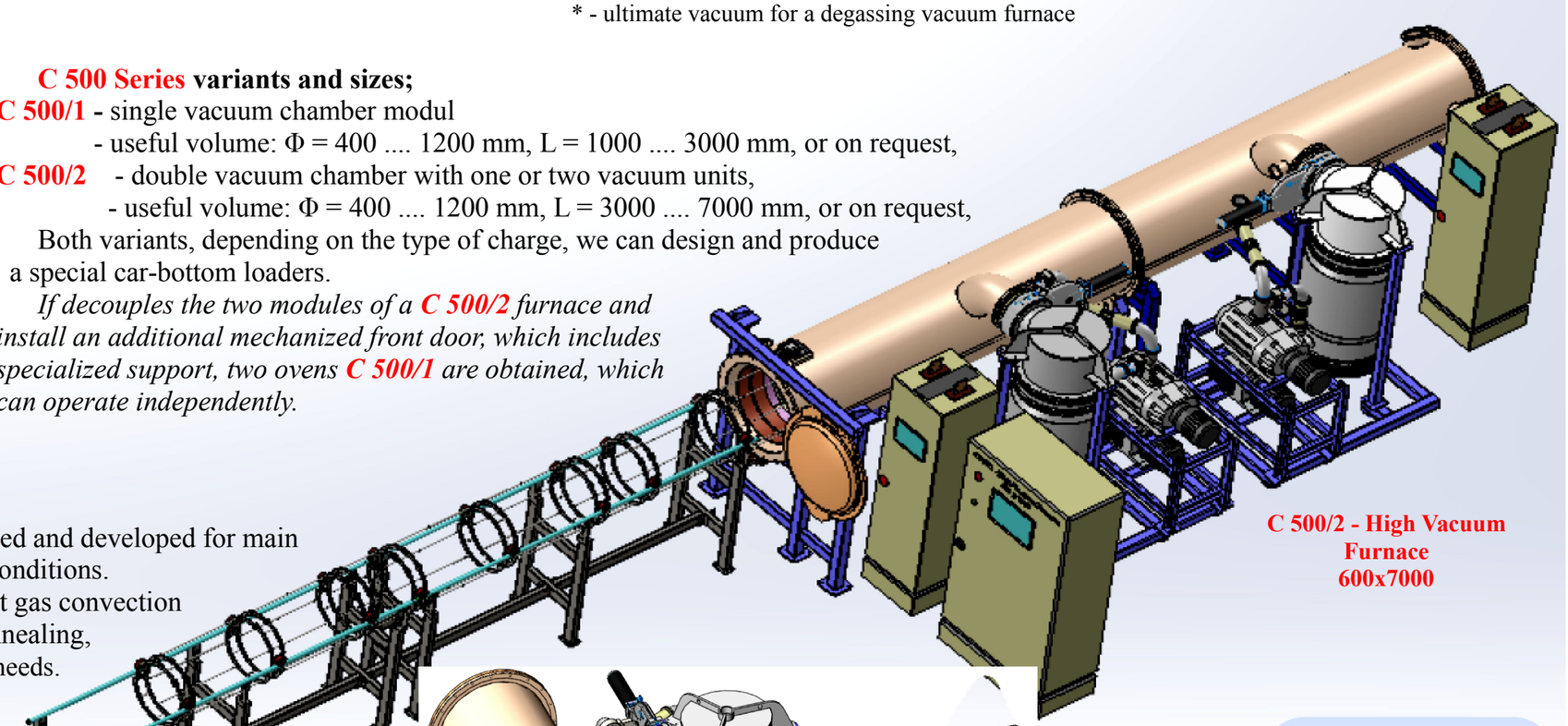
- useful volume: Φ = 400 .... 1200 mm, L = 1000 .... 3000 mm, or on request,

C 500/2 - double vacuum chamber with one or two vacuum units,

- useful volume: Φ = 400 .... 1200 mm, L = 3000 .... 7000 mm, or on request,

Both variants, depending on the type of charge, we can design and produce a special car-bottom loaders.

*If decouples the two modules of a **C 500/2** furnace and install an additional mechanized front door, which includes specialized support, two ovens **C 500/1** are obtained, which can operate independently.*



C 500/2 - High Vacuum Furnace 600x7000