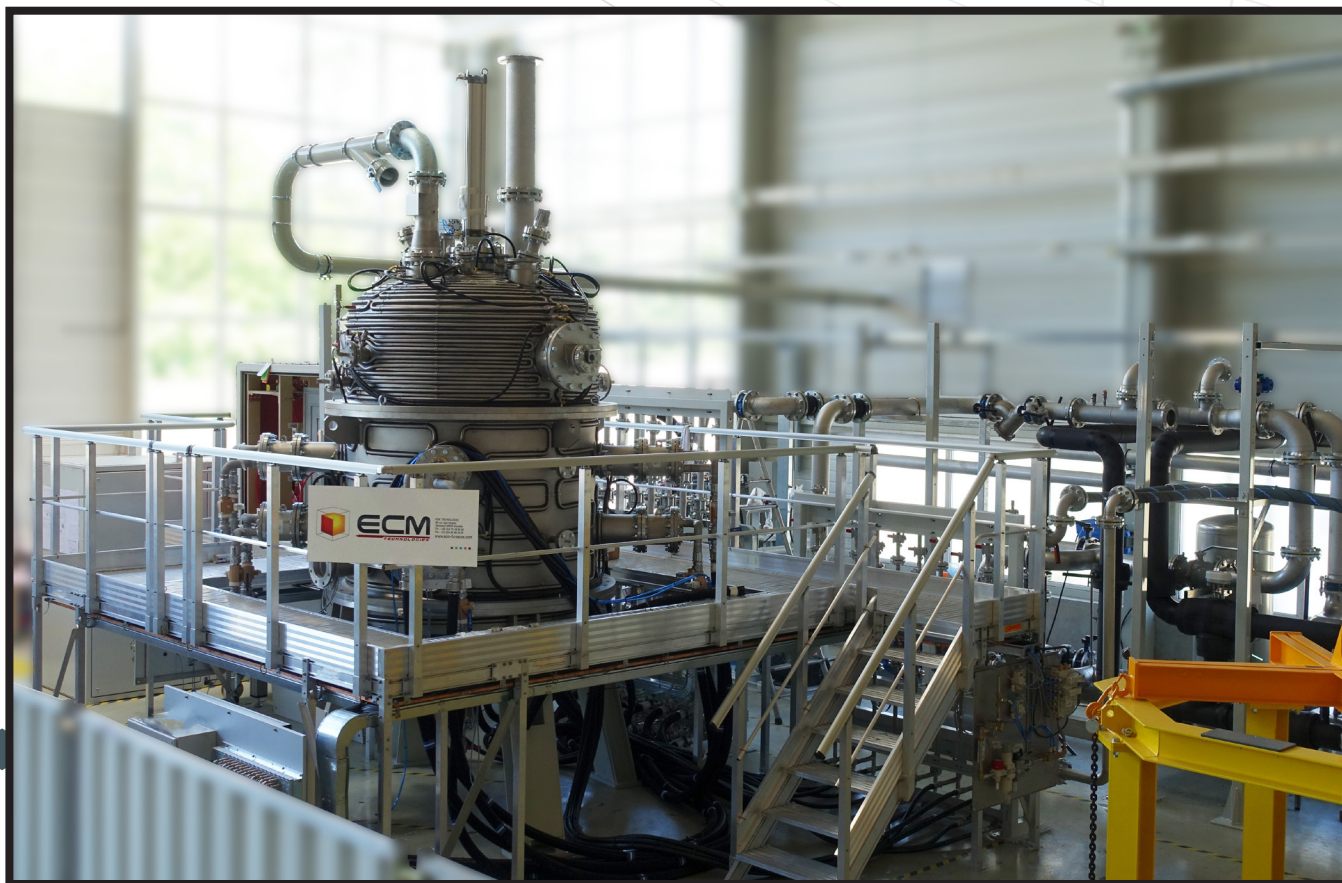


CCIM FURNACE

COLD CRUCIBLE INDUCTION MELTING

Our cold crucible induction melting furnaces are adapted to your innovation needs on a laboratory scale as well as for industrial production.

Our technologies allow the elaboration of high value adding materials with corrosion, level of purity and high temperature constraints.



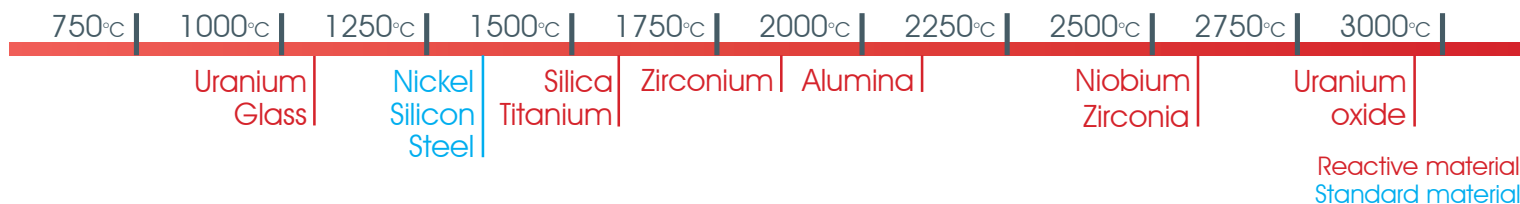
Installation made in collaboration with the CEA

ADVANTAGES

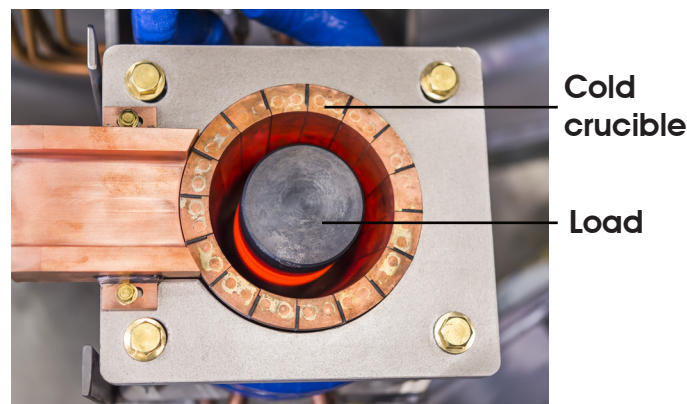
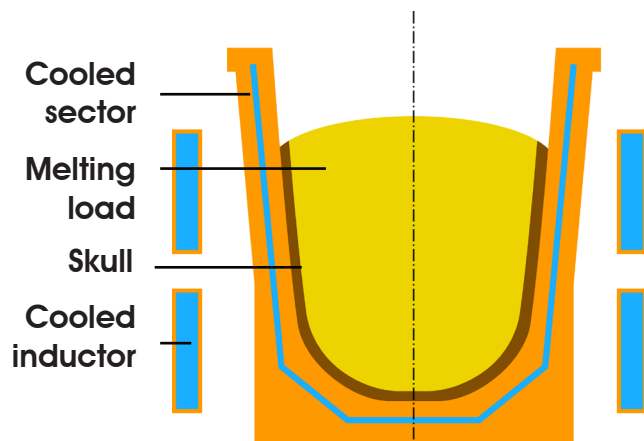
- Material melting of high melting point materials **up to 3000°C**
- Reactive material** melting
- High purity** of melted materials
- Excellent thermal and chemical **homogeneity**

CHARACTERISTICS

WORKING TEMPERATURE



TECHNOLOGIES



MODULAR AND SCALABLE DESIGNS

ATMOSPHERES

- Primary vacuum
- Secondary vacuum
- Under gas : inert, reactive

CASTING TYPES

- Gravity die casting
- Tilt pouring

MOLDING

- Mold
- Multi-mold
- Centrifugation
- Lost wax
- Sand mold
- Hot mold
- Under pressure mold

INSTRUMENTATION

- Remote acquisition
- Remote supervision
- Multi-sampling
- Monitoring camera
- Pyrometer

OPTIONS

- Bubbling control
- Mold pre-heating
- Adding additive
- In line integration

METHODS

- MELTING / REMELTING
- VITRIFICATION
- PURIFICATION
- RECYCLING
- ATOMISING

Treatment Capacity

Volume	Capacity	Power	Frequency
0,03 to 50L	0,2 to 500Kg	50 to 1 400kW	1 to 300 kHz

