

IWQ

Induction-Heated Quartz Tube Furnaces

for special processes and atmospheres

IWQ Induction-Heated Quartz Tube Furnaces



ALD IWQ induction-heated quartz tube furnaces represent a very versatile furnace concept for special requirements in high-temperature processes, such as

- distillation of metals and alloys (In, Se, ...)
- battery recycling (ALi, NiCd)
- reduction of metallic oxides
- melting, degassing, casting, sintering
- treatment of ultra-pure materials in the semiconductor and fiber optics industries

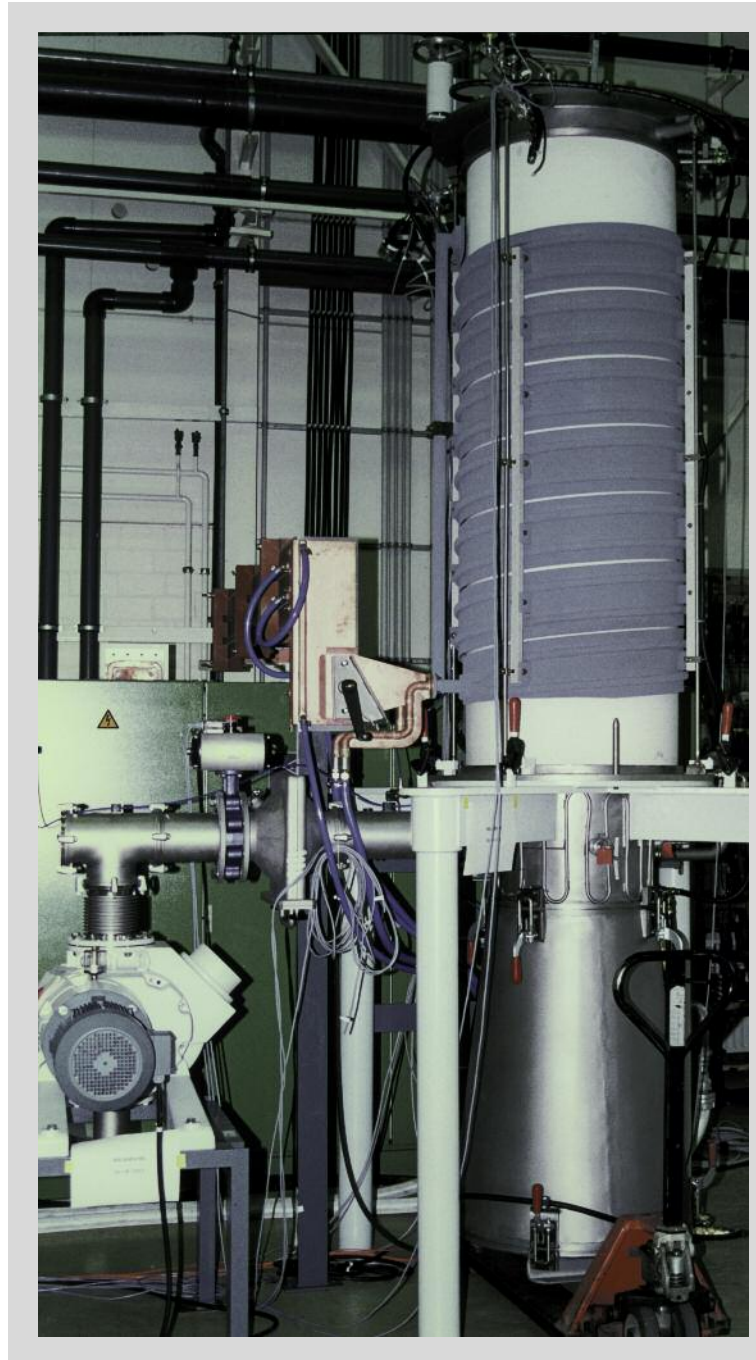
where efficient heat input (by induction heating) is to be combined with special furnace atmospheres such as

- reducing (hydrogen), oxidizing, inert gas and vacuum at temperatures up to 2000°C

ALD IWQ furnaces offer

- outstanding resistance of the quartz tube against aggressive vapors and chemicals
- no current- or water-ducting components inside the furnace chamber
- flexible furnace design (upgradable) in a wide size range (1 m diameter), with different susceptor materials and customized vacuum pump unit

All furnaces are equipped with state-of-the-art PLC process control and visualization.



ALD Vacuum Technologies GmbH

Otto-von-Guericke-Platz 1
D-63457 Hanau, Germany
Phone +49 (0) 6181 307-0
Fax +49 (0) 6181 307-3290
E-Mail info@ald-vt.de
Internet www.ald-vt.com

You can find the addresses of all our sales partners and subsidiaries on www.ald-vt.com.