

The Solution

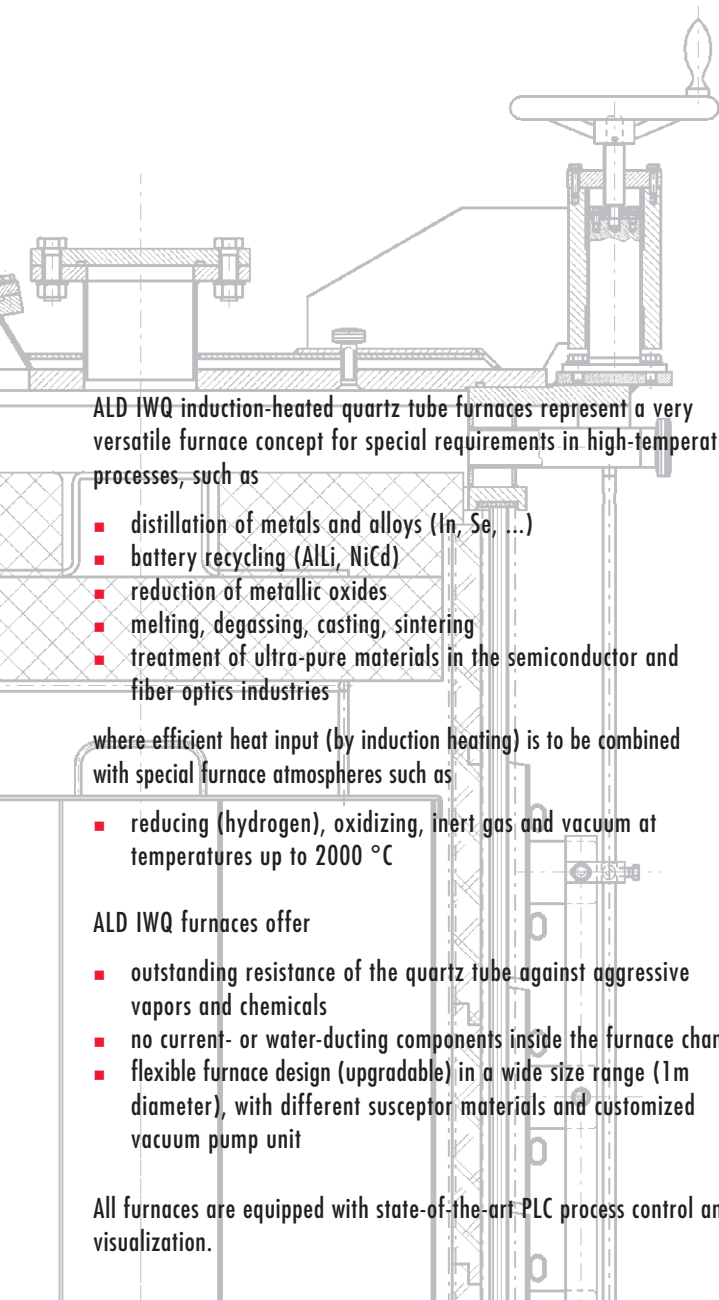


**IWQ**

**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

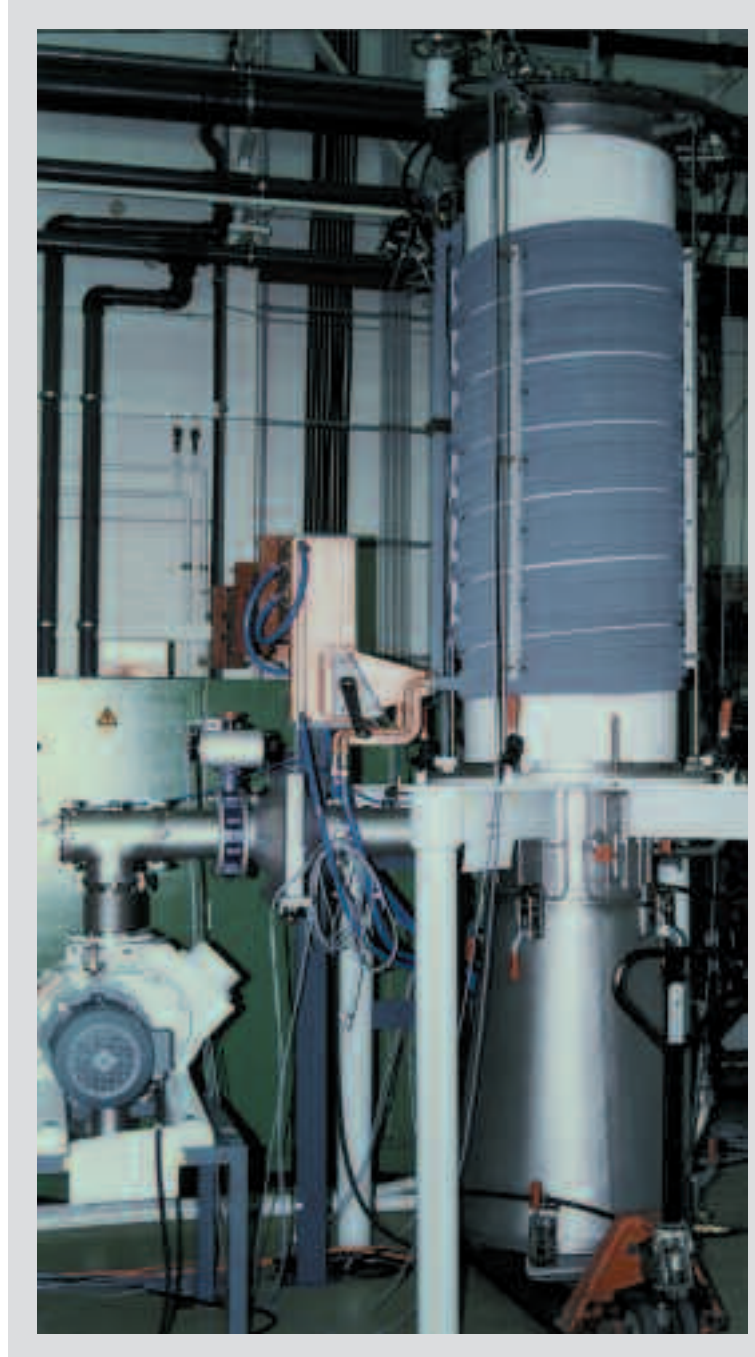
where efficient heat input (by induction heating) is to be combined with special furnace atmospheres such as

- 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 (1m 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

Wilhelm-Rohn-Strasse 35

D-63450 Hanau

Tel.: +49 (6181) 307 - 0

Fax: +49 (6181) 307 - 32 90

e-mail: [info@ald-vt.de](mailto:info@ald-vt.de)

Internet: [www.ald-vt.de](http://www.ald-vt.de)

## USA / Canada

ALD Vacuum Technologies, Inc.

18, Thompson Road

East Windsor CT 06088

Phone +1 (860) 386 72 - 27

Fax +1 (860) 386 72 - 20

## Great Britain

ALD Vacuum Technologies Ltd.

First Floor

276 High Street

Guildford, Surrey GU 1 3JL

Phone +44 (1483) 45 - 44 34

Fax +44 (1483) 30 - 66 41

## Japan

ALD Thermo Technologies Far East Co., Ltd.

6F. Shinjuku Nomura Bldg.

1-26-2 Nishi-Shinjuku, Shinjuku-Ku

Tokyo 163-0558

Phone +81 (3) 3340 - 37 26

Fax +81 (3) 3340 - 37 27

## China

ALD China Liaison Office

c/o C&K Development Co., Ltd.

Rm. 1102, South Office Tower

Hong Kong Plaza

283 Huai Hai Zhong Rd. Shanghai

Phone +86 (21) 6385 - 55 00

Fax +86 (21) 6384 - 03 11