

ALD Vacuum Technologies

High Tech is our Business

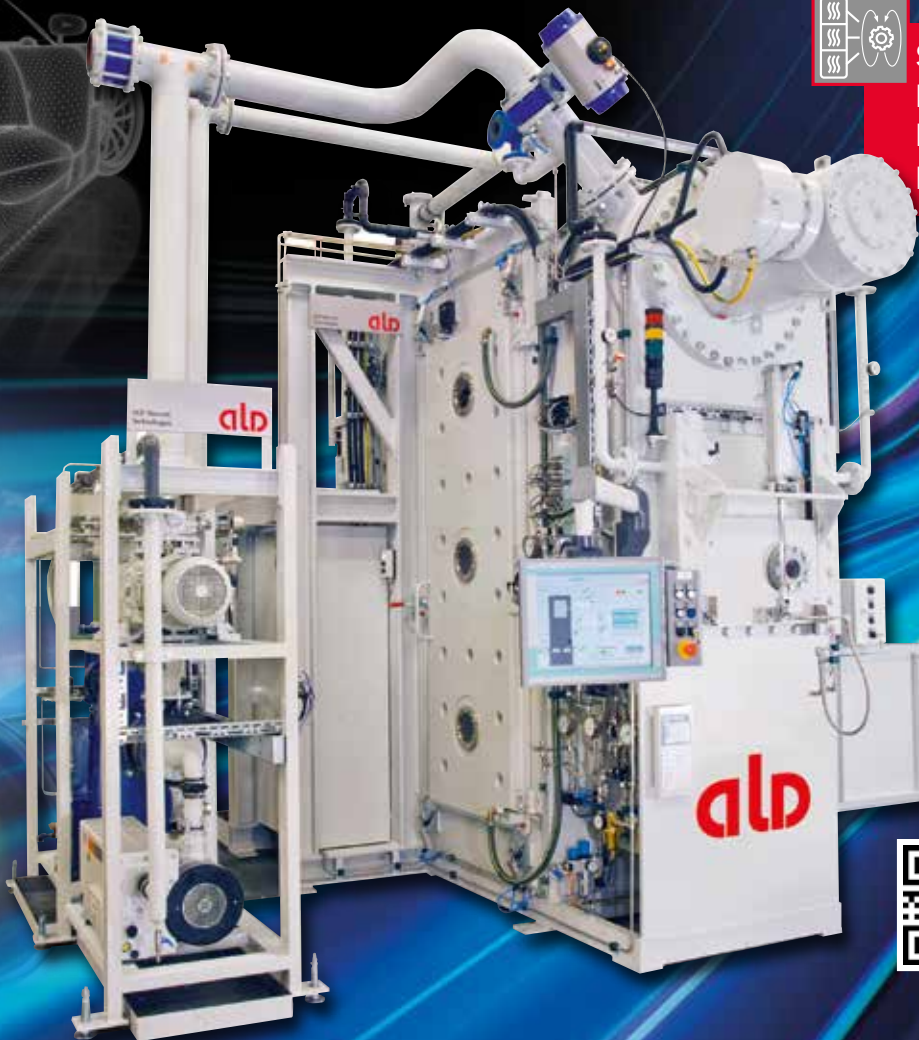
SyncroTherm[®]

Small Batch Production

CQI-9 | Nadcap



**Superior Distortion Control
Highest Component Quality
Digital Ready
Ideal for PM & AM Components**



ald

www.ald-vt.com

Neutral hardening, annealing, brazing, and sintering with direct integration into the production chain

SyncoTherm® closes the gap between soft and hard processing and ensuring timely, customized heat treatment with numerous options for flexible automation and data communication.

- ▶ Short treatment times with maximum component quality
- ▶ Minimal distortion after heat treatment
- ▶ Highest uniformity in heat treatment results
- ▶ High degree of automation, digital ready
- ▶ High environmental compatibility

Charge dimensions (incl. workpiece carrier)	Length 600 mm	Width 500 mm	Height 150 mm [235 mm]
Max charge weight (incl. workpiece carrier)	50 kg		
Max. temperature	Neutral hardening 1,250 °C		Low pressure carburization 1,050 °C
Number of hot zones	3 - 6 [workpiece height 150 mm]		3 - 5 [workpiece height 235 mm]
Max. quench pressure	6 (10) bar		
Space requirement	Length 6 m	Width 5.5 m	Height 4.9 m
Min. cycle time / workpiece carrier	7 min.		



ALD Vacuum Technologies

Otto-von-Guericke Platz 1
63457 Hanau, Germany
Phone: +49 6181 307-0
Fax: +49 6181 307-3290
E-Mail: info@ald-vt.com

**ALD Vacuum Technologies
North America, Inc. (USA)**
info@ald-usa.com
Phone: +1 860 386 7227

ALD France
info@ald-france.eu
Phone: +33 4 76 33 64 40

**ALD Vacuum Technologies
(Thailand) Co. Ltd.**
SouthEastAsia@ald-vt.com
Phone: +66 2 550 7880

**ALD-C&K Vacuum Technologies
(Suzhou) Co., Ltd. (PR China)**
www.ald-cnkn.com
info@ald-cnkn.com
Phone: +86 512 6385 8833

**ALD Vacuum Technologies
India Pvt. Ltd.**
www.aldvt-india.com
sales@aldvt-india.com
Phone: +91 91520 03246/47

**ALD Thermo Technologies
Far East Co. Ltd. (Japan)**
In charge of: Japan,
South Korea, Taiwan
infoFE@ald-vt.de
Phone: +81 3 5961 3017