

ALD Vacuum Technologies

High Tech is our Business

ModulTherm

High Pressure Vacuum Heat Treatment



**ECOLOGICAL & ECONOMICAL
GAS OR OIL QUENCHING:**

| HARDENING | LPC (N) | BRAZING
| SINTERING | ANNEALING | TEMPERING



ald

www.ald-vt.com

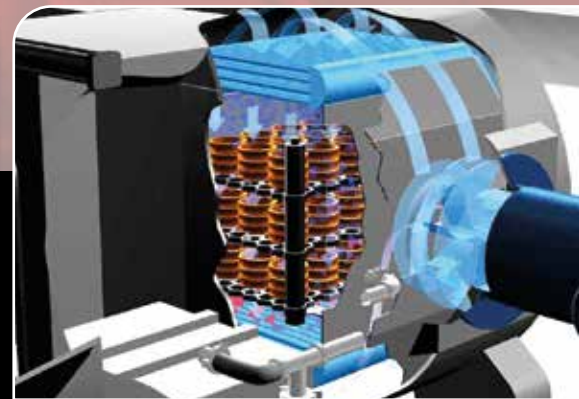
Ensuring Best Possible Plant Utilization

HIGHEST PROCESS FLEXIBILITY, CONSERVING ENERGY & REDUCING COST

- ▶ Designed for low energy consumption & reduced environmental impact
- ▶ Ideal for large-scale production & high-volume components
- ▶ Capable of handling different processes at the same time
- ▶ Stable transfer time ensures repeatable & reliable results
- ▶ Homogeneous gas quenching with controlled distortion
- ▶ Easily adaptable to growing production demands
- ▶ High flexibility combined with efficient operation

TECHNICAL DATA		MODULTHERM
Charge dimensions*	[mm]	1,000 x 600 x 750
Max. charge weight*	[kg]	1,000 kg [optional 1,500 kg]
Max. temperature	[°C]	Neutral hardening 1,250 °C Low pressure carburization 1,050°C
Max. quench pressure	[bar]	20
Min. cycle time / workpiece carrier	[min]	15
Max. treatment chamber	[min]	14

*incl. workpiece carrier



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