

IR SINTERING OVEN & COOLING DEVICES



HORIZONTAL

VERTICAL

COOLING DEVICES

APPLICATIONS

- sintering of insulated conductors (PTFE, PI)
- drying oven for pre-varnishing and varnishing in Glassfiber Lines
- sintering in Daglas Lines

SPECIAL CHARACTERISTICS

- single- or multi-pass operation
- precise temperature control
- relocatable furnace shaft
- removal of occurring exhaust gases provided on top of the oven
- sturdy design
- viewing window available
- depending on overall length 1, 2 or 3 zone operation available



Technical data	
Heated length	1, 2 or 3 m
	3.28 ft, 6.56 ft or 9.84 ft
Heating power	max. 21,6 kW
	max. 29.4 hp
Temperature	max. 700 °C
	max. 1,292 °F
One or multi-zone power control	
Wire diameter	max. 15 mm
	max. 0.59 inch

HORIZONTAL

Examples for Air Cooling Devices:



mounted on oven



stand-alone



mounted on guiding pulle

Other mounting constructions according to customer requirements.

COOLING DEVICES



APPLICATIONS

- sintering of insulated conductors (PTFE, PI) for aircraft industry, medical technology or chemical industry

SPECIAL CHARACTERISTICS

- energy-efficient heating with gold-plated, slotted IR glass tube radiators
- quick reacting radiators for precise control of the sintering process
- relocatable product guiding for quick removal of the product from the heating zone
- removal of occurring exhaust gases provided on top of the oven
- compact design, little space needed
- horizontal version possible (in preparation)

Technical data	
Heated length	2.4 m resp. 4.8 m
	7.87 ft resp. 15.75 ft
Heating power	6.3 kW resp. 12.6 kW
	8.57 hp resp. 17.13 hp
Multi-zone control of heating power	
Wire diameter	max. 3 mm (vertical)
	max. 0.118 inch
	max. 15 mm (horizontal in preparation)
	max. 0.59 inch

VERTICAL

Examples for Water Cooling Devices:



Water Cooling Device 1,500 mm (60 inch)



Water Cooling Device 500 mm (20 inch)

All water cooling devices equipped with blow-off nozzle for wire drying.

Other lengths according to customer requirements.

COOLING DEVICES

ALBERSRIETH

VOHENSTRAUSS

»» cp-2.com

Factory 1: Hydro-Power

Albersrieth 27 | 92727 Waldthurn
Germany/Bavaria
Fon: +49 (0) 9657/930-0
Fax: +49 (0) 9657/930-123
info@lukas-anlagenbau.de
www.lukas-anlagenbau.de



Factory 2: Wire & Cable

Am Forst 1 | 92648 Vohenstrauß
Germany/Bavaria
Fon: +49 (0) 9651/930-0
Fax: +49 (0) 9651/930-299
info@lukas-anlagenbau.de
www.lukas-anlagenbau.de



LUKAS 
ANLAGENBAU GMBH