



PRODUCT BROCHURE



IR SINTERING OVEN & COOLING DEVICES

▼ HORIZONTAL

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

APPLICATIONS

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



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. 25 mm
	max. 0.98 inch

▼ AIR COOLING DEVICES



SPECIAL CHARACTERISTICS

- Single or multi-pass operation
- Stand-alone version or mounted on top of an oven
- Operated by a powerful fan

TECHNICAL DATA

Cooling length	2 m, 2.5 m or 3 m
	6.56 ft, 8.20 ft or 9.84 ft
Conductor diameter	max. 30 mm
	max. 1.18 inch

VERTICAL



SPECIAL CHARACTERISTICS

- energy-efficient heating with ceramic-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

APPLICATIONS

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

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

WATER COOLING DEVICES



SPECIAL CHARACTERISTICS

- Primary water cycle with water tank and heat exchange
- conductor cooling by submerging or spraying
- Drying of the conductor after cooling by air wipe jets

TECHNICAL DATA

Cooling length	0.5m, 1.0m, 1.5m and 2.0m
	1.64ft, 3.20ft, 4.92ft and 6.56ft
Conductor diameter	max. 30 mm
	max. 1.18 inch



LUKAS 
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FACTORY 1 - HYDRO-POWER

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FACTORY 2 - WIRE & CABLE

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