

EXELSIUS

PROCESS PARTNER FOR THE ELECTRONICS INDUSTRY

IR-9

SCALABLE INFRARED CURING OVEN



THE ESSENTIAL OF INFRARED CURING IN A SCALABLE AND MODULAR DESIGN

SCALABLE
ARCHITECTURE AND
MODULAR DESIGN
FOR PROCESS
ADAPTABILITY

TOP/BOTTOM
INFRARED
HEATING ON
RETURN PATH

HIGH-EFFICIENCY
INFRARED CURING

THE ESSENTIAL YOU NEED TO CONTROL YOUR IR CURING PROCESS

The IR-9 is a scalable and modular infrared curing oven designed to make drying and curing processes simple, flexible and reliable. Easy to set up and operate, its modular architecture adapts to specific production requirements, with additional heating modules available as needed. Combining flexible top/bottom infrared heating, a heated return path and programmable heating zones, the IR-9 provides controlled thermal conditions for a stable and repeatable process.



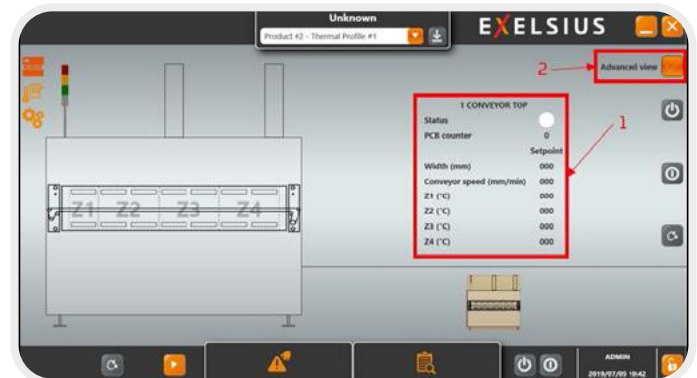
INFRARED
TECHNOLOGY

COMPATIBLE



MODULAR AND SCALABLE DESIGN TO FIT YOUR PROCESS

The IR-9 is designed for efficient operation and easy integration into the production environment. Its modular design allows the oven to adapt to specific curing needs, with additional heating modules added as required. Its functional architecture also provides easy access to key components, simplifying operation and maintenance.



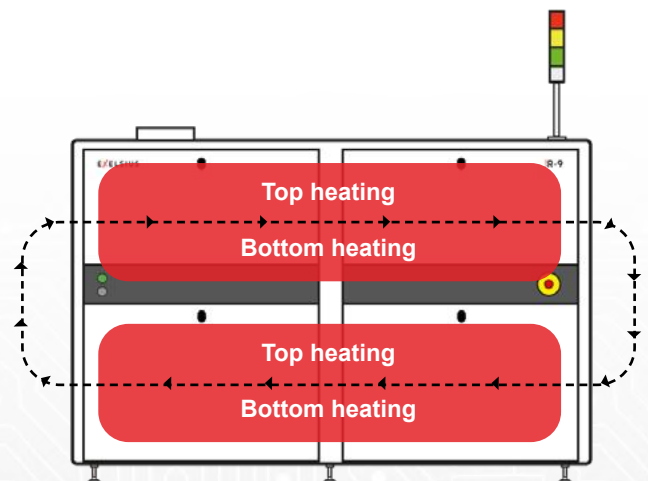
INTUITIVE HMI DEVELOPED BY EXELSIUS

Compliance with the most sensitive components

Operator risk management (EHS)

Fast MES integration*

Easy and accessible maintenance



Top/bottom heating on the return path
(option)

*Trim package available on demand

TOP/BOTTOM HEATING WITH HEATED RETURN PATH

The IR-9 provides top or top/bottom infrared heating on both the upper and return paths, offering greater flexibility to match specific curing requirements. This configuration enables the heating process to be adapted to the application while making full use of both conveyor levels for an optimized curing process.



PROGRAMMABLE HEATING ZONES FOR A REPEATABLE PROCESS

Individual heating zones can be programmed to create specific drying or curing profiles. By controlling temperature and process time, the IR-9 provides stable thermal conditions for consistent and repeatable curing results.

TECHNICAL DATA

	IR-9 2m (1 module)	IR-9 3m (1 module)	IR-9 4m (2 modules 2m)	IR-9 5m (2 modules 2+3m)	IR-9 6m (2 modules 3m)
Dimensions (LxWxH) excluding signal tower	2260x1190x1400 mm (+/-30mm)	3100x1190x1400 mm (+/-30mm)	4520x1190x1400 mm (+/-30mm)	5360x1190x1400 mm (+/-30mm)	6200x1190x1400 mm (+/-30mm)
Power supply	3 phases 400/480 VAC 50/60Hz + Earth				
Top and bottom heating installed power (400V)	Top: 11 kW Bott: 11 kW Top/Bott: 22 kW	Top: 16 kW Bott: 16 kW Top/Bott: 32 kW	Top: 22 kW Bott: 22 kW Top/Bott: 44 kW	Top: 27 kW Bott: 27 kW Top/Bott: 54 kW	Top: 32 kW Bott: 32 kW Top/Bott: 64 kW
Extraction	250 m³/h	400 m³/h	500 m³/h	650 m³/h	800 m³/h
Weight	720 kg	1000 kg	1400 kg	1720 kg	2000 kg

HEATING TUNNEL

Number of zones	4	6	8 (4+4)	10 (4+6)	12 (6+6)
Heating length	2060 mm	2900 mm	4120 mm	4960 mm	5800 mm
Number of IR panels 270mm each	Top: 7 Bott: 7	Top: 10 Bott: 10	Top: 14 Bott: 14	Top: 17 Bott: 17	Top: 20 Bott: 20

CONVEYOR

Standard conveyor type	5 mm pin top chains
Standard clearance height	+/- 100 mm
Standard width	50 to 450 mm
Process speeds	180 to 1200 mm/min
Conveyor height	900 to 980 mm

These specifications are not binding

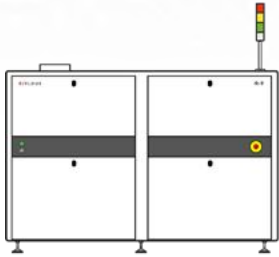
IR-9

SCALABLE INFRARED
CURING OVEN

OPTIONS

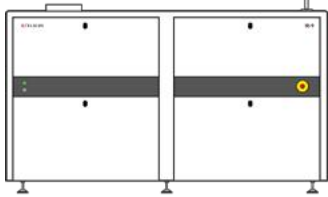
- Right-to-left conveyor (R to L)
- Heavy-duty conveyor (8kg/product)
- Dual track conveyor (same or opposite direction)
- IPC-CFX compatibility
- Touch interface
- Return path

Some options are not compatible with each other.



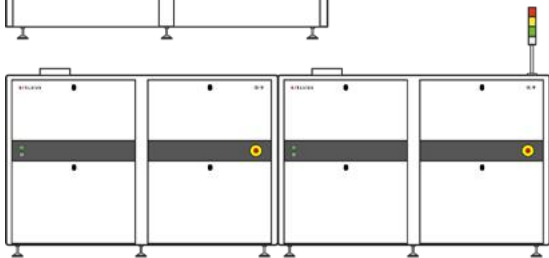
IR-9 2m

1 module



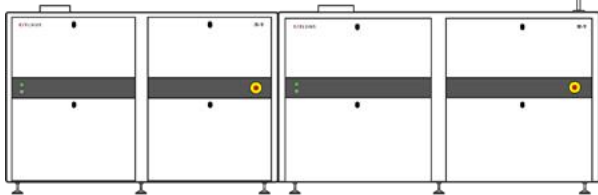
IR-9 3m

1 module



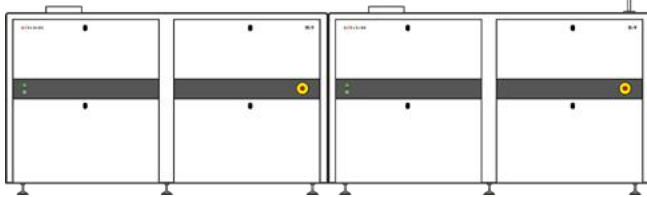
IR-9 4m

2 modules
(2+2 m)



IR-9 5m

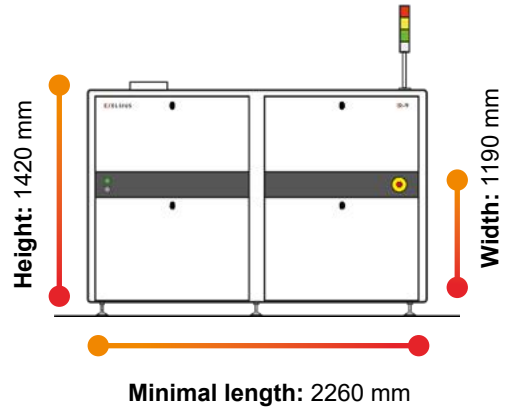
2 modules
(2+3 m)



IR-9 6m

2 modules
(3+3 m)

And many more possibilities
by adding additional modules.

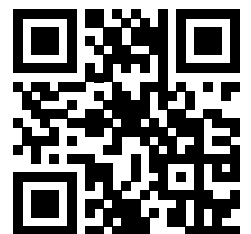


**CHOOSE THE
IR-9 SOLUTION
THAT FITS
YOUR PROCESS
REQUIREMENTS**



IR-9 oven in a coating line

FOR MORE INFORMATION SCAN THE QR CODE
AND CONTACT OUR SALES TEAM



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