

# OPENING FURNACE 1300°C TESTING MACHINE



**AET**  
TECHNOLOGIES

Our solution for replacing mechanical test furnaces can work above 1100°C (the current limit for furnaces with long cycle times), as well as cold, thanks to its double-hinged support with independent angle adjustment.



## ABOUT US

AET Technologies is the European leader on the hot mechanical testing market.

Our engineering know-how concerning heating and mechanical transfer, management of gases-atmospheres as well as vacuum, automatism and regulation allows us to give you a perfect answer adapted to your needs.

Autonomous or integrated furnaces, dedicated to production or to R&D, we deliver turnkey equipment, thanks to unique engineering and recognized experience.

David D'ATTOMA  
Chief Sales Officer



### A turnkey equipment

Adaptable on all creep machines with minimum centre spacing (250mm for diameter of 50mm) between columns



### Standards for hot mechanical testing

This furnace meets the requirements of the various standards for hot mechanical testing (creep, tension, compression).



### Removable heating elements

Lanthanum chromite heating elements can be replaced without disassembly of the load column thus insuring test continuity.



Let's innovate together to reinvent today's materials and discover tomorrow's.

#### AET GROUP

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# OPENING FURNACE 1300°C TESTING MACHINE

A technical solution that can be supplied in 230V single-phase or 400V three-phase, without a transformer.



Made in France



After-sales service



Recognition of excellence

## Key elements

### DOUBLE-HINGED OVEN SUPPORT WITH INDEPENDENT ADJUSTMENT

Frees up working space (load columns) for cold testing and specimen instrumentation.

### EXTENSOMETER PASSAGE

Compatible with contact extensometers: axial or transverse mounting.

### INNOVATIVE TECHNOLOGY

The result of unique R&D work, lanthanum chromite technology is the property of AET Technologies.

### 100% NON-CARCINOGENIC MATERIALS

Eliminates the risk of user exposure to a hazardous dangerous substance (Directive 97/69/EC).



## Technical specifications

- 1300°C continuous
- Maximum heating speed 20°C/min
- Regulation stability <2°C
- Natural cooling speed
- Compatible with axial contact extensometer
- Power from 4kW to 6.5kW
- Temperature control on the furnace or on the test piece
- 3 heating zones controlled by setpoint offset
- Dimensions depending on model :
- HMI interface: 7-inch colour touch screen
- Front USB for CSV file, WiFi or Ethernet connection

PRODUCT	Section size (L x W) mm	Heated height uniform (mm)	Heated height (mm)	Height overall (mm)	Width closed furnace (mm)	Minimum width open furnace (mm)	Supply voltage (V)	Power (kW)
FUO-1300-100-75	75x75	100	240	340	240	320	230 ou 400	4
FUO-1300-190-75	75x75	190	335	435	240	320	230 ou 400	4
FUO-1300-100-120	120x120	150	290	390	320	400	400	6.5
FUO-1300-190-120	120x120	250	390	490	320	400	400	6.5



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