

# MULTI-PROCESS TUBULAR FURNACE



This multi-process tubular furnace delivers unrivalled levels of performance (homogeneity  $\pm 5^{\circ}\text{C}$  over a large useful volume).

Its technology and wide range of functions provide **unbeatable heat treatment quality** with process adaptability to meet your most demanding requirements.



## ABOUT US

AET Technologies specialises in the design and manufacture of electric furnaces for research and industrial laboratories.

The expertise we've built up over the years makes us the ideal partner to meet your needs.

Thanks to this know-how, AET Technologies works with the biggest names today and in the future.

David D'ATTOMA  
Chief Sales Officer



### A modular tubular furnace

A multi-process single or multi-chamber furnace up to  $1250^{\circ}\text{C}$  ( $1600^{\circ}\text{C}$  on request), ideal for brazing, degassing, glass/metal sealing, polymerisation, pyrolysis, annealing and other applications.



### A high-performance control system

Our system provides: fast, accurate response, temperature stability ( $\pm 1^{\circ}\text{C}$ ), fewer errors and optimised energy consumption. It contributes to the improvement of your products.



### Customised HMI supervision

The AET Technologies supervision software includes all the essential supervision functions: curve plotting, history, alarms, file exchange, data recording, etc.



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

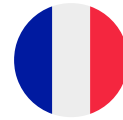
#### AET GROUP

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# MULTI PROCESS TUBULAR FURNACE SINGLE OR MULTI-CHAMBER

An ideal technical solution for brazing, degassing, glass/metal sealing, polymerisation, pyrolysis, annealing and other applications.



Made in France



After-sales service



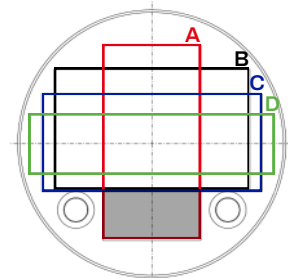
Recognition of excellence

## Keys elements

- Max temperature: 1250°C (up to 1600°C)\*
- Temperature control on furnace or load
- Sealed furnace: controlled atmosphere
- Cleanroom compliant: ISO 7
- Thermal homogeneity <±5°C
- Homogeneous zone length: 500 - 1000 mm
- Laboratory tube: metal, quartz, SiC (ceramic)\*
- Laboratory tube size: 210 - 270 - 320 mm (other Ø)\*
- Process atmosphere: oxidising gas, neutral gas (reducing gases, hydrogenated gas 6% max)\*
- Leak rate:  $1 \cdot 10^{-8}$  mbar.l/s
- Manual loading: up to 10kg (weight over than 10kg)\*
- Excellent ergonomics of the loading area
- HMI supervision: operation, traceability, data analysis



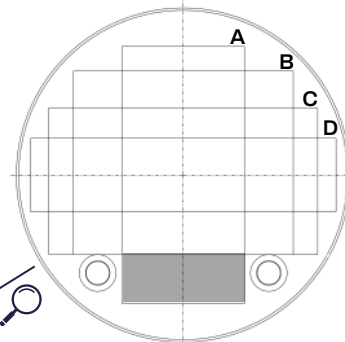
Ø 210 mm



Index	Max load dimensions (mm)
A	80 x 160
B	160 x 100
C	180 x 80
D	200 x 50

Depending on furnace configuration

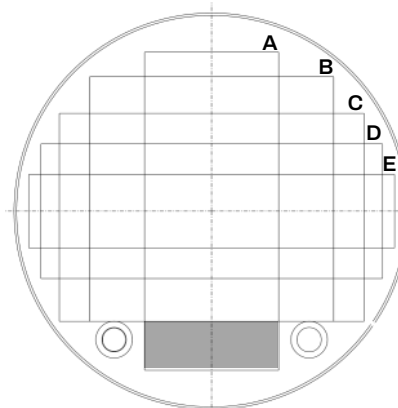
Ø 270 mm



Index	Max load dimensions (mm)
A	100 x 210
B	180 x 150
C	220 x 120
D	250 x 60

Depending on furnace configuration

Ø 320 mm



Index	Max load dimensions (mm)
A	110 x 260
B	200 x 200
C	250 x 170
D	280 x 110
E	300 x 60

Depending on furnace configuration

Ref	Max continuous temp °C	Type	Max wafers size (inches")	Max heating speed °C/min	Homogenous length mm (<±5°C)
FT-1000-01-500-210	1000 - 1250	Single or twin-tube	6	20	500
FT-1000-01-1000-210	1000 - 1250	Single or twin-tube	6	20	1000
FT-1000-01-500-270	1000 - 1250	Single or twin-tube	8	20	500
FT-1000-01-1000-270	1000 - 1250	Single or twin-tube	8	20	1000
FT-1000-01-500-320	1000 - 1250	Monotube	8	20	500
FT-1000-01-1000-320	1000 - 1250	Monotube	8	20	1000

\* Study on request

Non-contractual document: subject to technical modifications



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