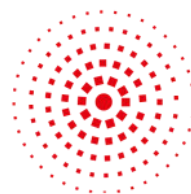


CREEP TESTING MACHINE



AET
TECHNOLOGIES

Designed for performing creep tests with high precision and great flexibility at 1000°C or 1300°C or 1600°C



- Capacity: 20, 30, 50 kN (mini 20 N)
- Precision class: 0.5 (ISO 7500-2)
- Gradual and repeatable loading
- Furnaces: 1000°C / 1300°C / 1600°C
- 3 independent zones
- Temperature regulation: furnace or specimen
- Real-time Interactive monitoring, control & data recording
- Automatic alignment system
- Force measurement cell: Class 0.5 precision
- 3 displacement sensors (LVDT, capacitive and optical rule type Heindenhein)
- No CMR insulating refractory material
- 4 high-rigidity columns
- Adaptable for various specimen types and sizes
- Loads bars and specimen adapters
- Multi-machine supervision software (up to 20 machines)
- Force application:
 - Using proportional weight sets adapted to requirements
 - Controlled spring system for cyclic loading/unloading
- Optional: Backup power supply system

ABOUT US

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

Our expertise in heating and mechanical transfer, gas-atmosphere and vacuum management, automation, and regulation allows us to give you a perfect answer adapted to your needs.

We deliver turnkey equipment, whether autonomous or integrated furnaces, for production or R&D, leveraging our unique engineering expertise and recognized experience.

David D'ATTOMA
Chief Sales Officer



**Compliant
ISO 204:2023**

We comply with this standard, which specifies the methodology for continuous or interrupted creep tests and defines the required temperature homogeneity and gradients.



**Monitoring &
control**

The test process on TCN creep testing machines is handled and managed by a monitoring software which also secures the monitoring and follow-up of tests on an interactive and real time mode.



**Offer of
services**

Unlock the full potential of your creep testing machines with our team of qualified technicians and engineers. We offer a comprehensive range of services for your new or existing creep machines.



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

AET GROUP

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Made in
France



After-sales service



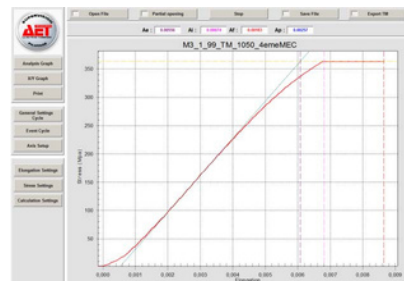
Recognition
of excellence

Monitoring & control

Test data acquisition and recording are directly managed by the embedded TCN digital controller on each machine, which features a color touchscreen and an SD card. This system operates independently from the PC monitoring network.

The supervision software allows the configuration of test profiles by ramp segments and temperature maintenance, incorporating features such as zero stress, strain measurement, specimen loading control, automatic lever positioning, alarm settings, and additional test control functionalities. Data files are saved in CSV format, making them directly compatible with Excel for easy analysis.

As an option, we offer a dedicated software for curve plotting and creep parameter calculations, allowing the generation of detailed test reports including graphical results.



Range of services

- Maintenance contracts and spare parts
- Compliance upgrade for current electrical standards
- Equipment upgrades, retrofits, and replacements
- Integration of digital measurement systems for displacement and load
- Implementation of intelligent control systems (PLC and acquisition card)
- Installation of a monitoring system with optional curve plotting software



Non-contractual document: subject to technical modifications



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