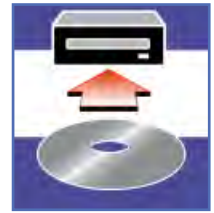




## CeastVIEW

### Ceast Software platform - Microsoft Windows® based

- Full compatibility with Microsoft Windows environment • Screen resolution variable
- Multi-document interface, sizable frames • Graphical preview for test selection
- Advanced elaborations support: raw data store, interactive graphs, interactive list of measures, data export, selection of measure units • Graphical report
- Relational database • Multi-instruments support



## cvSTRAIN - code 0710.450

### Software for Strainvis

DEMO, Elaboration: Available (Parameter, Result, Report, Export: Real management)



Strainvis - 6800.000

The software, based on Ceast View platform, manages the whole test. All the parameters which characterize the test, group of up to five different measuring stations, are asked as input parameters in two different steps: in the first one the parameters of the whole test (operator, temperature, number of points for decade in the acquisition - according to a logarithmic watch), in the second one those of each station (material, failure identification, stress condition, specimen dimensions, mass applied). In output, the software elaborates the data stored providing, for each measure, in addition to the failure time (if failure happened) the curves: **creep strain vs Log(time)** and **creep modulus vs Log(time)** and the relevant values. In order to document the temperature during the test (as required by ISO 899), the software provides also a curve **temperature vs Log(time)**.

All the performed measures are collected in a specific database according to Ceast View.

### Specifications - Reference Standards

- All the standards managed by the compatible instrument

### BASE Module - code 0710.416

#### Parameter Management

Creation with checking of input data limits, copy, save, print parameters for Test:

- Types of Test: three points bending, four points bending, Compression, Tensile
- End Test Type: Deflection o Time out o Slope for automatic break detection
- Test and material under Test identification data

#### Process Management

- Transmission of the selected set of parameters to the instrument
- Management of the asynchronous utility commands from the PC (Weight up, Weight down, ...)
- Mimic panel management: instrument status and readout values
- Management of the Test using guidance messages for the operator and control buttons
- Acquisition of measurements from the instrument, real-time graph management with selection of the types of X axis (linear or logarithmic)
- Possibility of Suspension/Restart

#### Result Processing

- Saving of all the data acquired by the instrument (raw data)
- Curve selection: Deflection **L** or Deformation **ε** or Creep modulus **E** vs Time
- Graphic Option: display Temperature curve vs Time
- Selection of the station to be displayed: visible / hidden
- Graphs and station data selected with the SHIFT option
- Graphic point management: display of Deflection **L**, Deformation **ε**, Creep modulus **E**, Temperature Max, Temperature Min, Time of the selected point
- End Test values: Deflection **L**, Deformation **ε**, Creep modulus **E**, Time

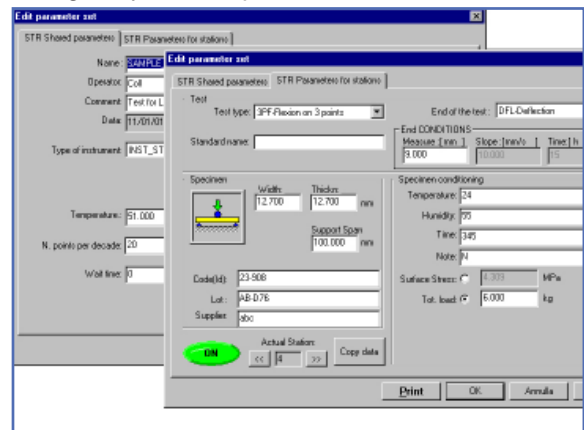


Fig. 1 - Parameters Management

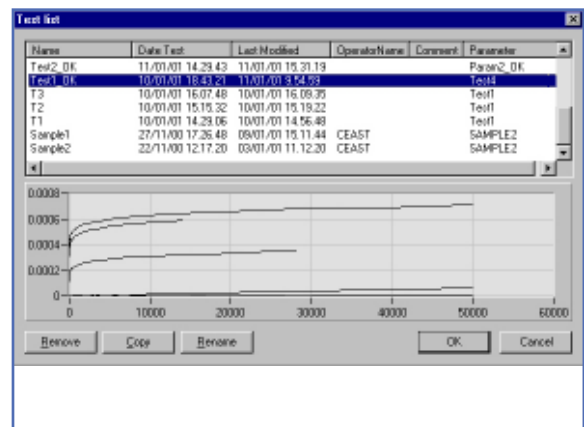


Fig. 2 - Graphic Preview

- Modifiable Comment after Test
- Processing aids/customized reports:
  - point management: display of the values of the point indicated by the cursor
  - export of selected parameters and selected data in \*.TXT format file
  - export of graphs processed (with shift, pan, zoom) in \*.BMP format file
  - management of the after test comment for the documentation

### Standard Report

- Printout of parameters, graph and data of the Test open with the stations selected.
- Customizable logo (LogoCust.bmp)

### OPERATOR Module - code 0710.451

- Password-based operator access level management to assure data security and also to simplify the operating procedure of the non-expert operator. 3 levels available: Supervisor, Manager, Operator

### TRANSFER Module - code 0710.452

- Possibility to manage and transfer data in Excel and Text file with format templates management

### MULTI Module - code 0710.453.n

(n: number of authorized instruments)

- Concurrent management of several instruments at the same time for all enabled functions, including the complete handling of the process: parameters selection, test execution, real-time synoptic and data acquisition

### ISOCHRONOUS STRESS-STRAIN CURVE Module - code 0710.456

- Representation of Strain-Stress curves of material evaluated at different times; the software elaboration works on creep measurements performed in the same test type at the same temperature but using different loads

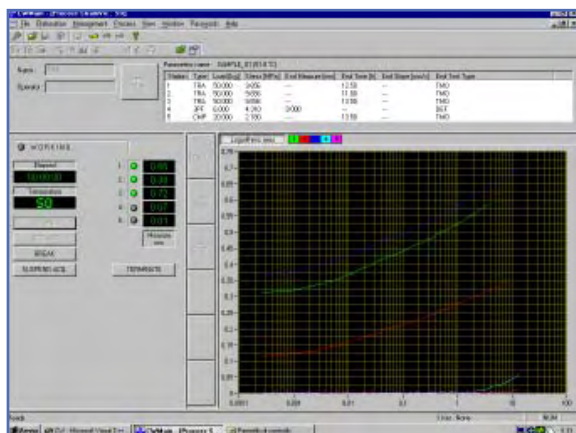


Fig. 3 - Process Management

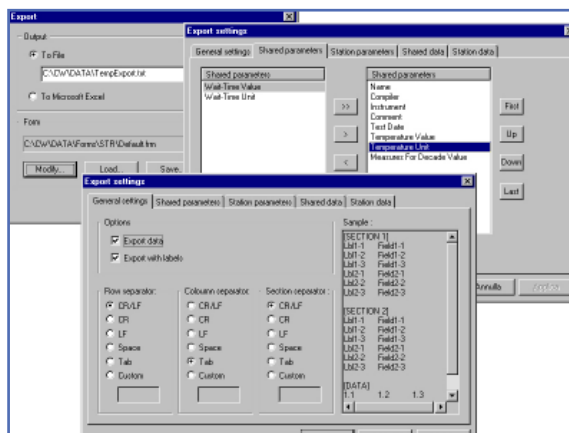


Fig. 4 - Data Export

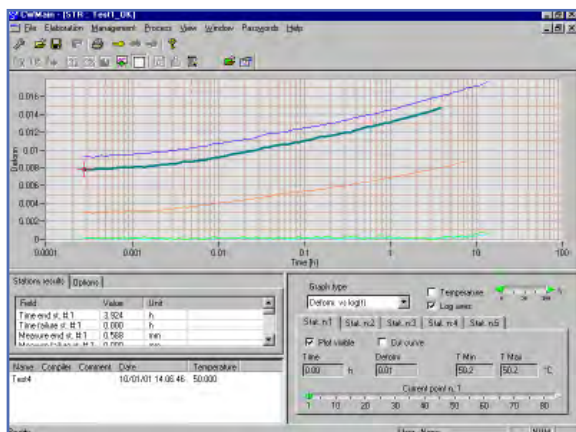


Fig. 5 - Test Elaboration

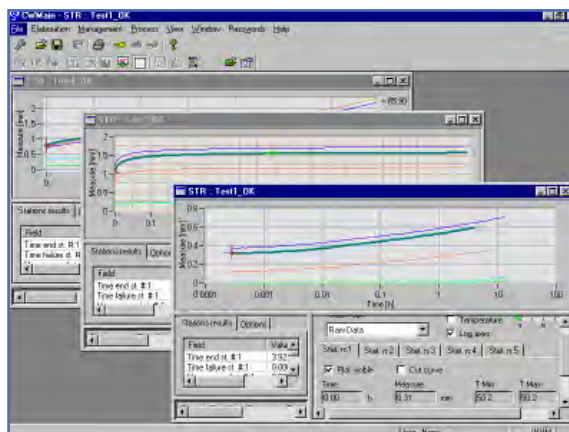


Fig. 6 - Multi Presentation

Due to the continuous development policy of CEAST's Research and Development Department, changes may be introduced without notice



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