echoLAB

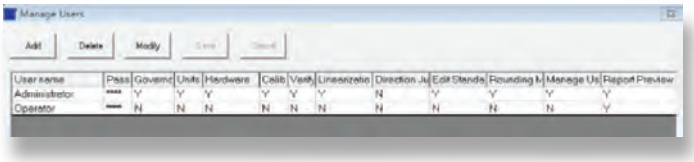
Data Sheet

echoTestPilot

echoTestPilot

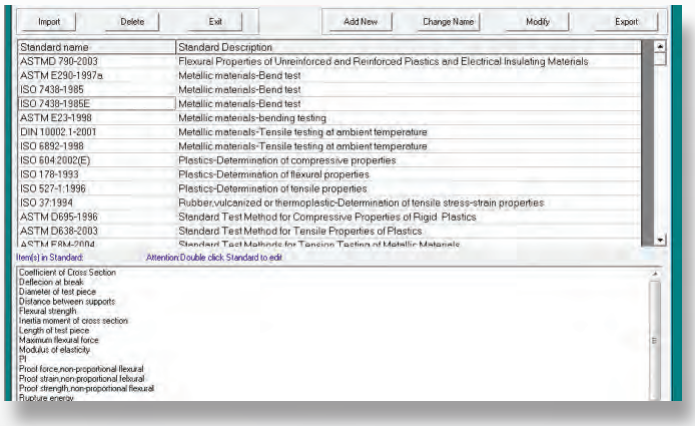
- echoTestPilot is designed to perform accurate and repeatable tests of materials, components and finished goods across a wide range of applications. It provides the simplicity and user-friendly interfaces needed for fast and efficient quality assurance and quality control testing. The software is fully compatible with echoLAB electromechanical and hydraulic universal testing machines.
- Features a large, growing host of pre-packaged test methods for easy access to meet the requirements of global test standards such as ASTM, ISO, DIN, EN, BS, and more.
- echoTestPilot software is an open architecture programming; the operator can design the testing program according to own testing requirements.
- Operator can edit the format of testing report according to the requirement, and also export to EXCEL, ACCESS files.

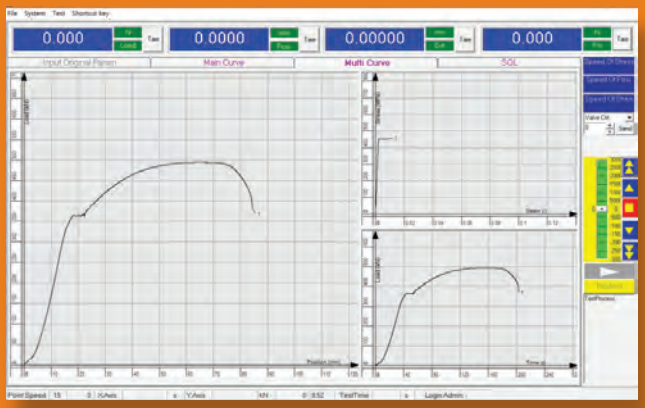
- Management System: The administrator can activate the functions according to different operators.

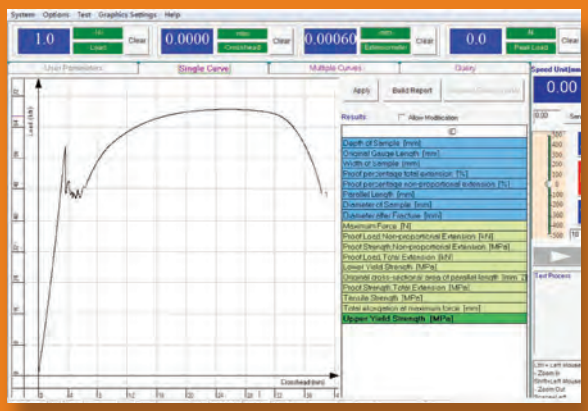


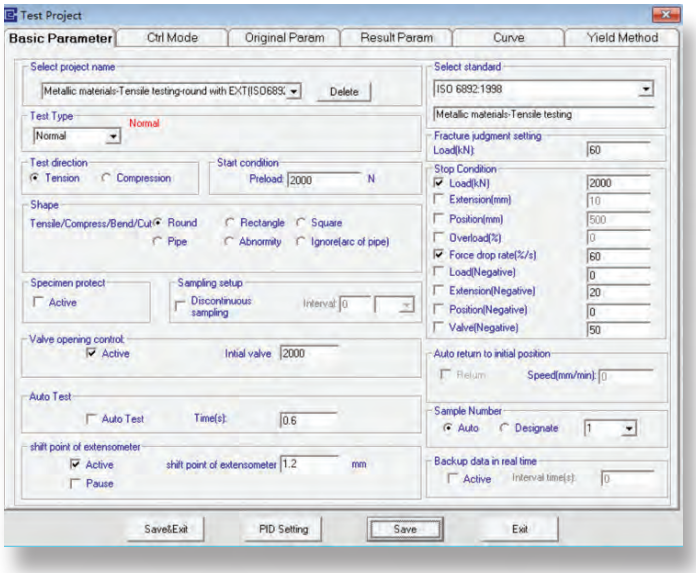
- Data logger communication function, which can collect the data from logger, such as dial gage, percent meter, etc.; it also reserves additional 6 channels for machine expansion, which can conduct the real time data collection, data displaying and data processing.
- Advanced function of data retrieval: searching by any information of the testing results, like testing date, series number, testing program, etc.
- The software displays curves/graphs of Load - Displacement, Load - Time, Load - Extension and Displacement - Time.

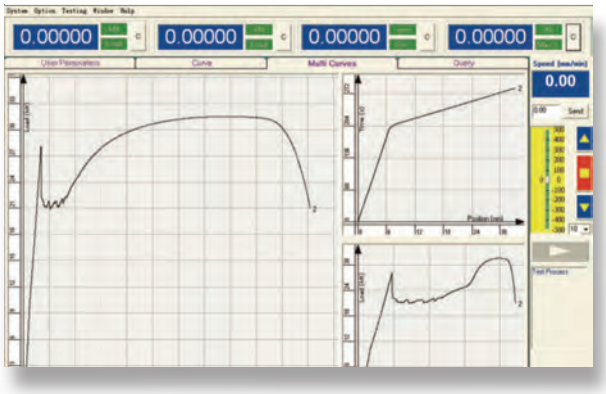
- echoTestPilot allows to mark interesting points on curves, zoom in and zoom out and curves traversing. During the test, curves can be displayed separately in a screen; after the test, the operator can manually define the upper yield point, lower yield point by determining the parameters.
- Operator can choose different data unit according to the requirements, the software can convert the unit of testing data and results accordingly.
- Analysis give typical test results like Young's modulus, Proof stress, Yield stress, Stress, Strain, Tensile strength, Elongation at break, Compressive strength, Bending strength and more.

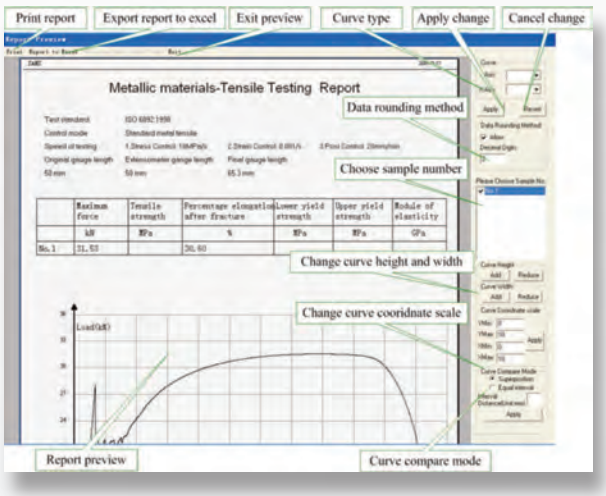












Computer requirements

- CPU: ≥1GHz
- Memory: ≥1GB
- Hard disk storage: ≥10GB
- CD-ROM drive: Only for software installation.
- Graphic card: ≥1GB memory
- Port: At least one COM port for communication.
- If some accessories require RS232 communication with computer directly, more COM ports will be necessary.
- Operating system: Microsoft Windows 7 or the latest.

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