

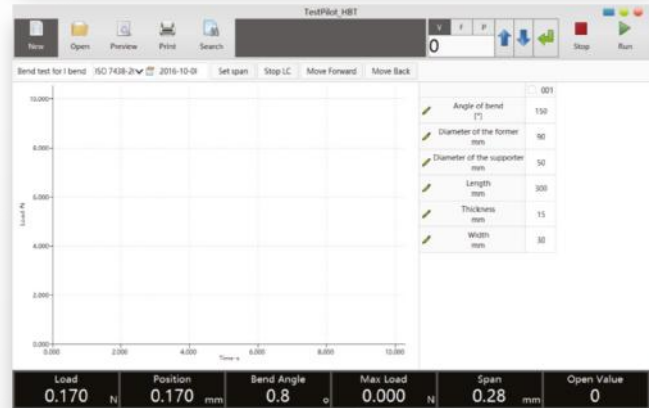
TestPilot BTM

- > echoechoTestPilot 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 Bending 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.

Method						
New Edit Delete Save Import Export						
Bend test for I bend ISO 7438-2005 Metallic materials-Bend test						
Common	Show	Name	Unit	Default	Default value	Display Col Width
Process	<input checked="" type="checkbox"/>	Angle of bend	[°]	<input checked="" type="checkbox"/>	150	<input checked="" type="checkbox"/> 100
	<input checked="" type="checkbox"/>	Diameter of the former	mm	<input checked="" type="checkbox"/>	90	<input checked="" type="checkbox"/> 150
Parameters	<input checked="" type="checkbox"/>	Diameter of the supporter	mm	<input checked="" type="checkbox"/>	50	<input checked="" type="checkbox"/> 150
Results	<input checked="" type="checkbox"/>	Length	mm	<input checked="" type="checkbox"/>	300	<input checked="" type="checkbox"/> 120
	<input checked="" type="checkbox"/>	Thickness	mm	<input checked="" type="checkbox"/>	15	<input checked="" type="checkbox"/> 120
LoadPid	<input checked="" type="checkbox"/>	Width	mm	<input checked="" type="checkbox"/>	30	<input checked="" type="checkbox"/> 120
ExtensionPID	<input checked="" type="checkbox"/>	Span	mm	<input checked="" type="checkbox"/>	200	<input checked="" type="checkbox"/> 120
PositionPID						

- > 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, ACC
- > 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 bending angle, bending force, etc.
- > 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 Stress, Strain, Compressive strength, Bending strength and more

Export		
<input type="checkbox"/>	Code	Name
<input type="checkbox"/>	ASTM E9	Metal compression
<input type="checkbox"/>	ISO 6892	Metal tensile test at room temperature
<input type="checkbox"/>	ISO 7438	Metal bending test
<input type="checkbox"/>	ISO37	Rubber tensile test
<input type="checkbox"/>	ISO527	Plastics tensile test



Common		Process
Test direction		Compression/flexure
Extension transducer		Crosshead
Bend Type		I Bend
Specimen shape		Flat
Preload		50 N
Speed before preload		5 mm/min
Removal points from graph		2 points
Test stop condition	<input type="checkbox"/>	
Defined force	<input checked="" type="checkbox"/>	
Force		300000 N
Demo Filename		A-1

Computer requirements

- > CCPU: ≥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