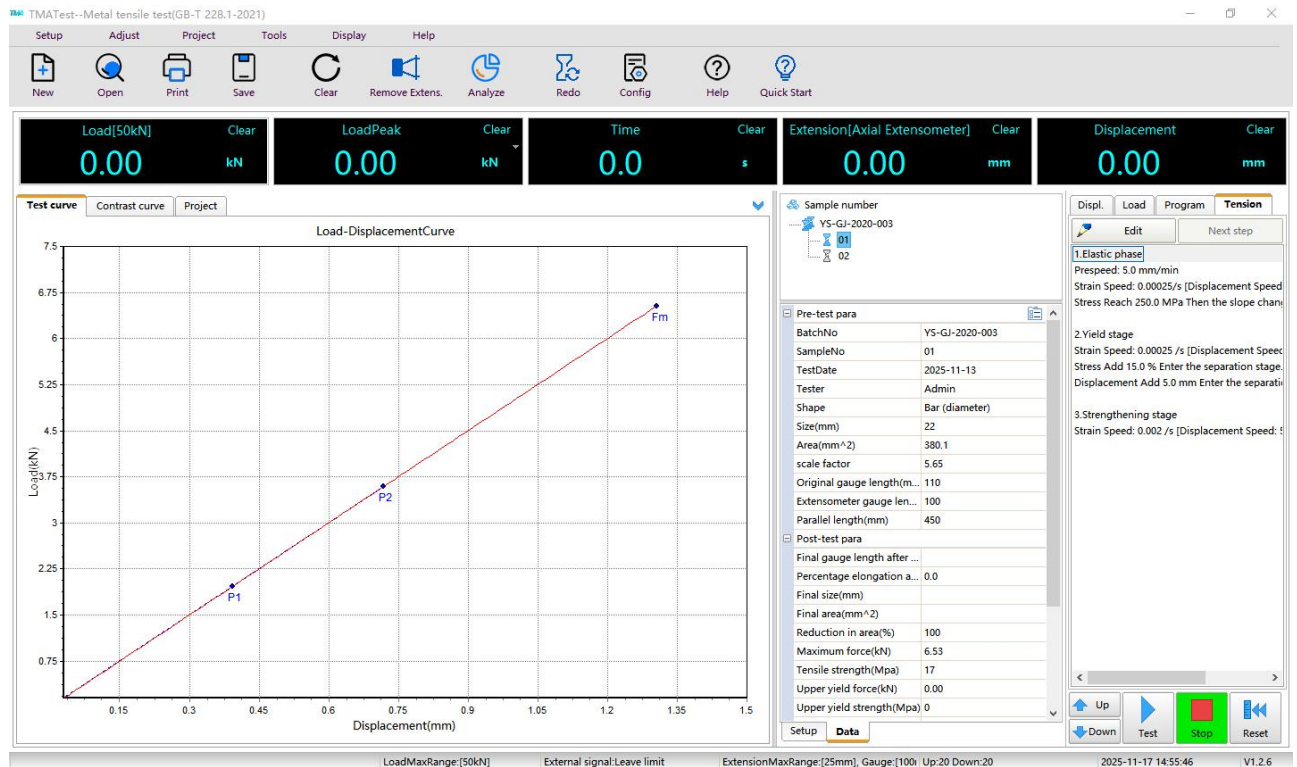
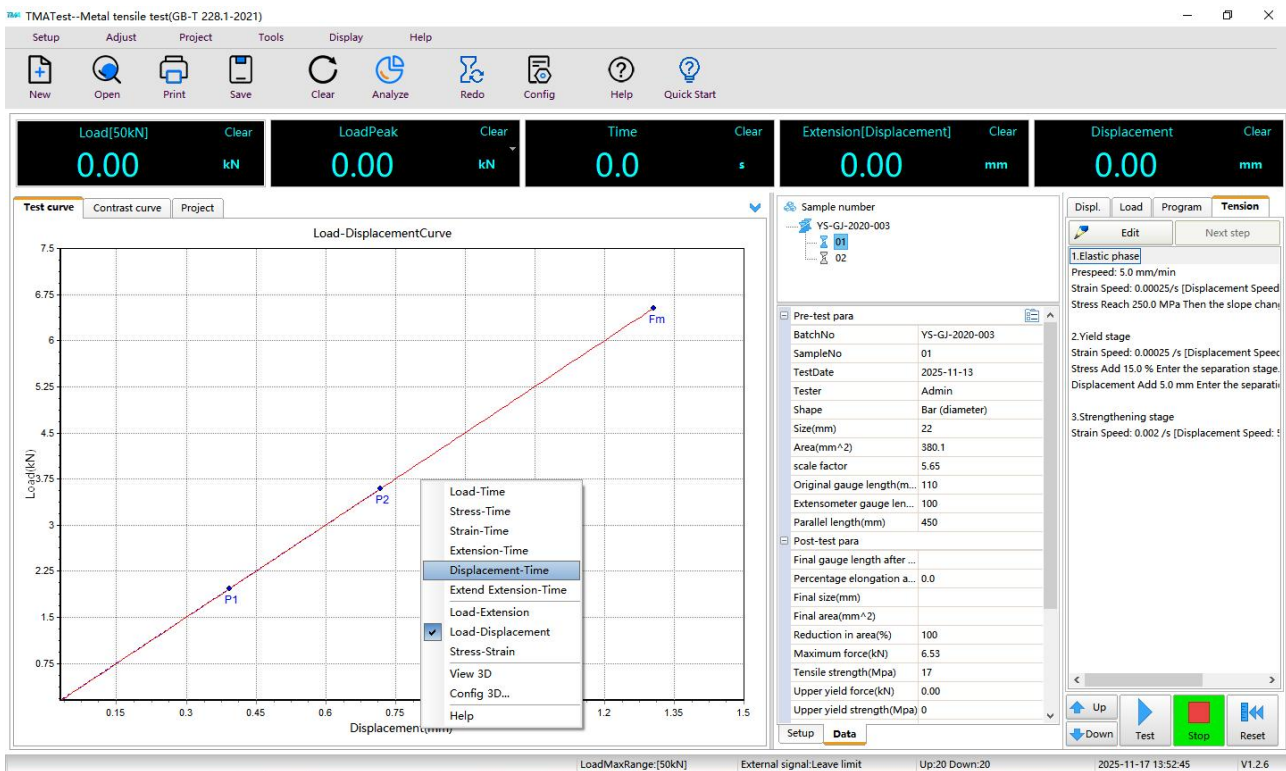
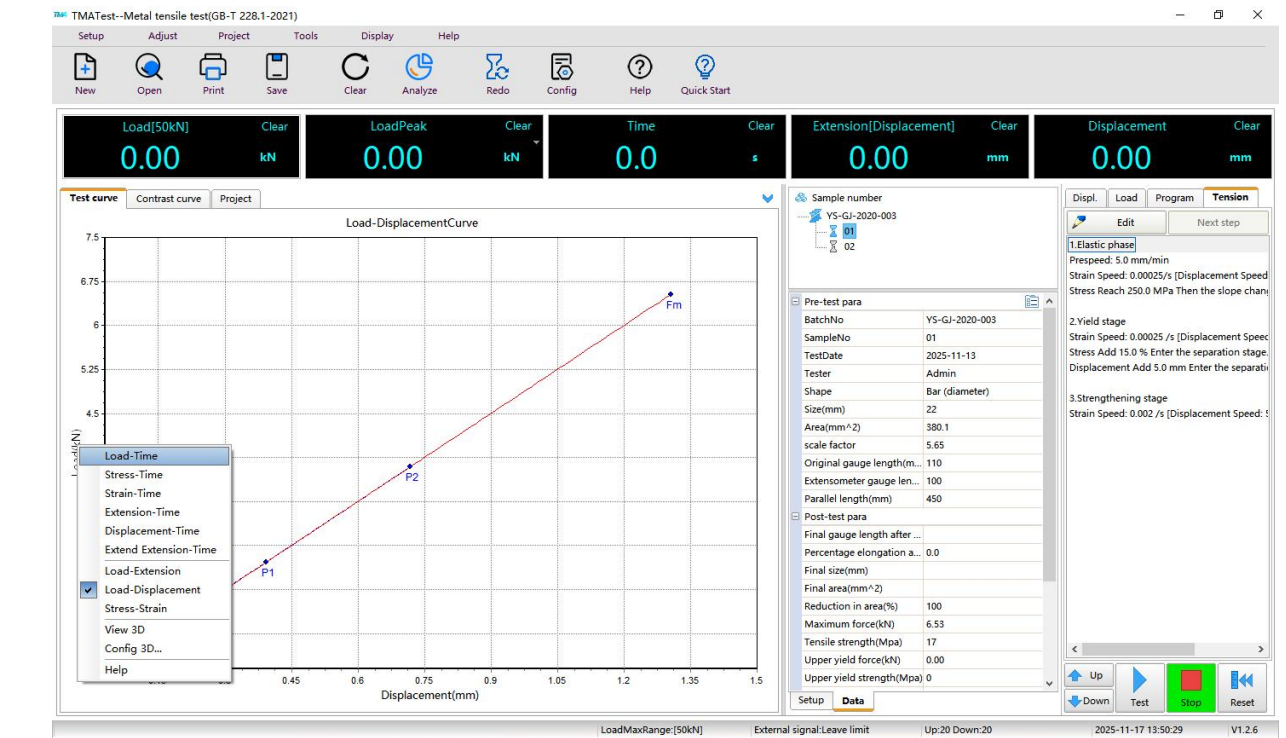


TMA Test Software Introduction

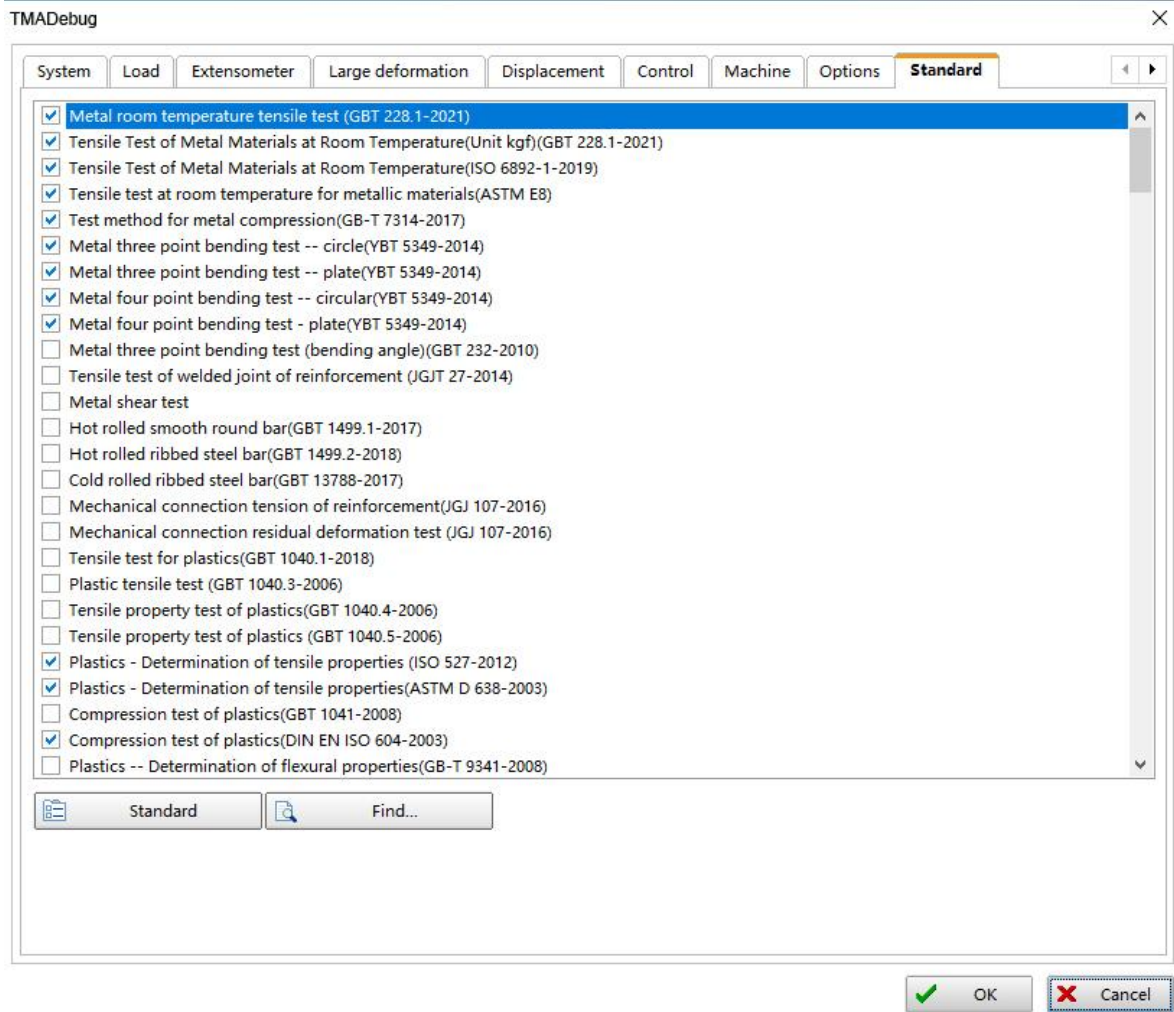
- It is designed with simple and attractive test interface and test data and curves can be recorded and displayed in real time.



- It can support multiple load cells and extensometers.
- Users can select required test curves, such as Load-Displacement, Strain-Displacement, etc.



- The software fully compliance with the corresponding international standards like ISO, ASTM and BS EN etc. and also we can program your test standards into our software.



- It has different control modes and closed-loop control is feasible.

Displ.
Load
Program
Tension

Speed: 10.0 mm/min

0.01
0.02
0.05
0.1
0.2
0.5
1
2
5
10
20
50
100
200
500

☒ CloseUp

Target(mm): 2.5

☒ HoldTime(s): 30
Apply

Up
Down
Test
Stop
Reset

- Users can program test procedure as their own requirements.

TMAProgram						
New Save Save as Delete Rename Add Step Insert Step Remove Step Config Quit						
Control Program: Test 1						
Step	Control Mode	Control parameters	Jump condition	Action	Loop	Remark
1	OpenDisplacement Control	Speed:5 mm/min,Down	When Load Reaches To 0.001 kN			
2	Load Control	Speed:0.002 kN/s,Target:2 kN, Prespeed:5 mm/min	When Hold Time Reaches To 30 s	Null		
3	OpenDisplacement Control	Speed:5 mm/min,Down	When Displacement Reaches To 2.5 m	Record load		
4	OpenDisplacement Control	Speed:5 mm/min,Up	When Displacement Reaches To 0.01 m	Displacement clear	Return 20 Times,Return To Step 0	
5	Stop					

Step1
Open Control, Speed: 5 mm/min, Direction: Up
Load Reach 0.001 kN Jump to <Step2>
Action: Notes Load

Step2
Load, Speed: 0.002 kN, Target: 2 kN, Force HoldTime Reach 30 s Jump to <Step3>
Action: None

Step3
Open Control, Speed: 5 mm/min, Direction: Up
Displacement Reach 2.5 mm Jump to <Step4>
Action: Notes Load

Step4
Open Control, Speed: 5 mm/min, Direction: Up
Displacement Reach 0.01 mm Jump, to <Step0>
Action: Displacement Clear
Cycle 20 Times, Return <Step0>

Step5
Stop

- Users can edit test report by adding or delete items as their own requirements

Design report

Field in database
☐ scale factor
☐ Original gauge length(mm)
☐ Extensometer gauge length(mm)
☐ Parallel length(mm)
☐ Final gauge length after fracture
☐ Percentage elongation after fracture
☐ Final size(mm^2)
☐ Reduction in area(%)
☐ Maximum force(kN)
☐ Tensile strength(Mpa)
☐ Upper yield force(kN)
☐ Upper yield strength(Mpa)
☐ Lower yield force(kN)
☐ Lower yield strength(Mpa)
☐ Specified plastic elongation f_{0.2}
☐ Specifies the plastic elongation f_{0.01}
☒ Modulus of elasticity(Gpa)
☐ Maximum force total elongation

Caption width: 140
 Top position: 100
 Data width: 140
 Table position: 10
 Row height: 30

☒ Item ☒ Head ☐ Foot ☐ Row

Name	Row	Head	Foot
BatchNo	No	No	No
SampleNo	No	No	No
TestDate	No	No	No
Tester	No	No	No
Size(mm)	No	No	No
Original gauge length	No	No	No
Maximum force(kN)	No	No	No
Tensile strength(Mpa)	No	No	No
Modulus of elasticity	No	No	No

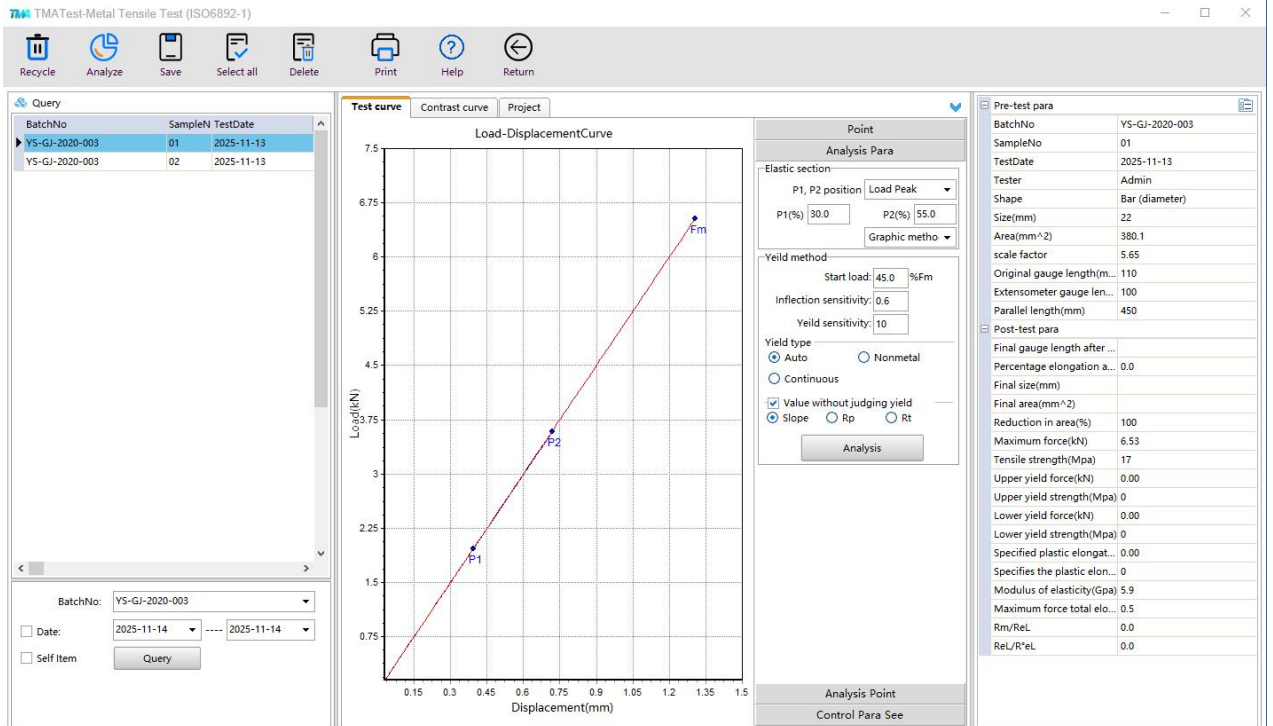
Caption: Metallic Material Tensile Test Report
 Sub caption:

☐ PageFoot

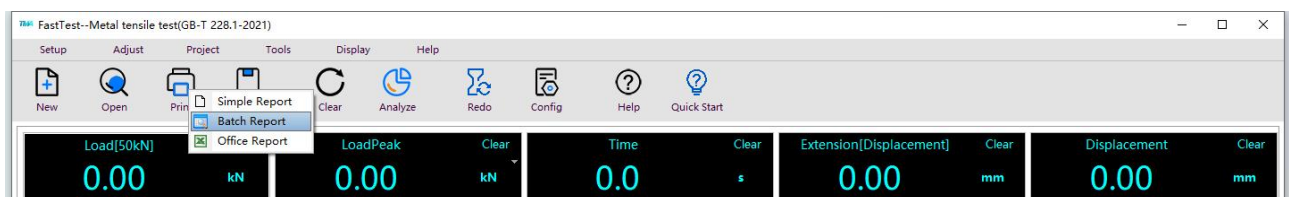
☒ Print curve

Caption: Load-Displacement
 Sub caption: Load-Displacement Curve
 Field width: 600
 Height: 400
 Header position: Displacement(mm)
 Y caption: Load(kN)
☐ Point

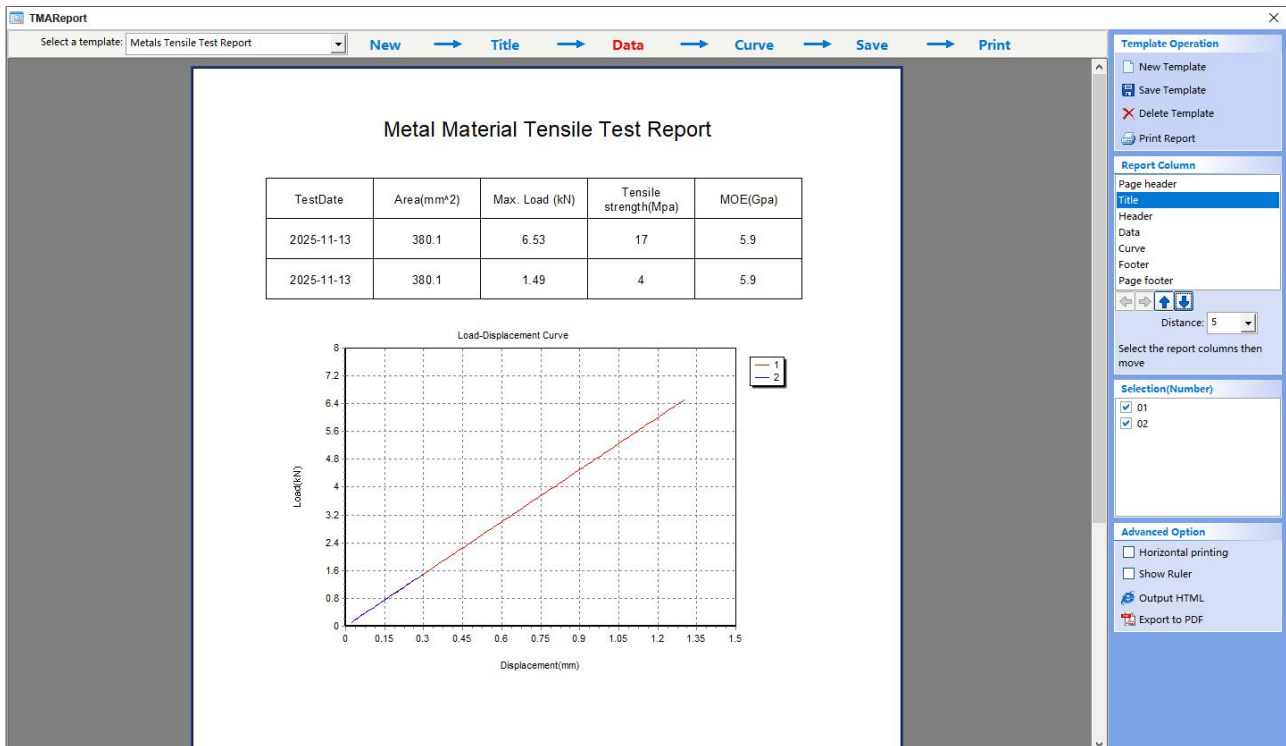
- Users can quickly inquire previous test data by using data inquiry module.



■ Users can select test report template: single, batch or office.

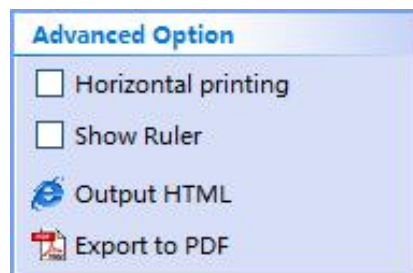


Single Report

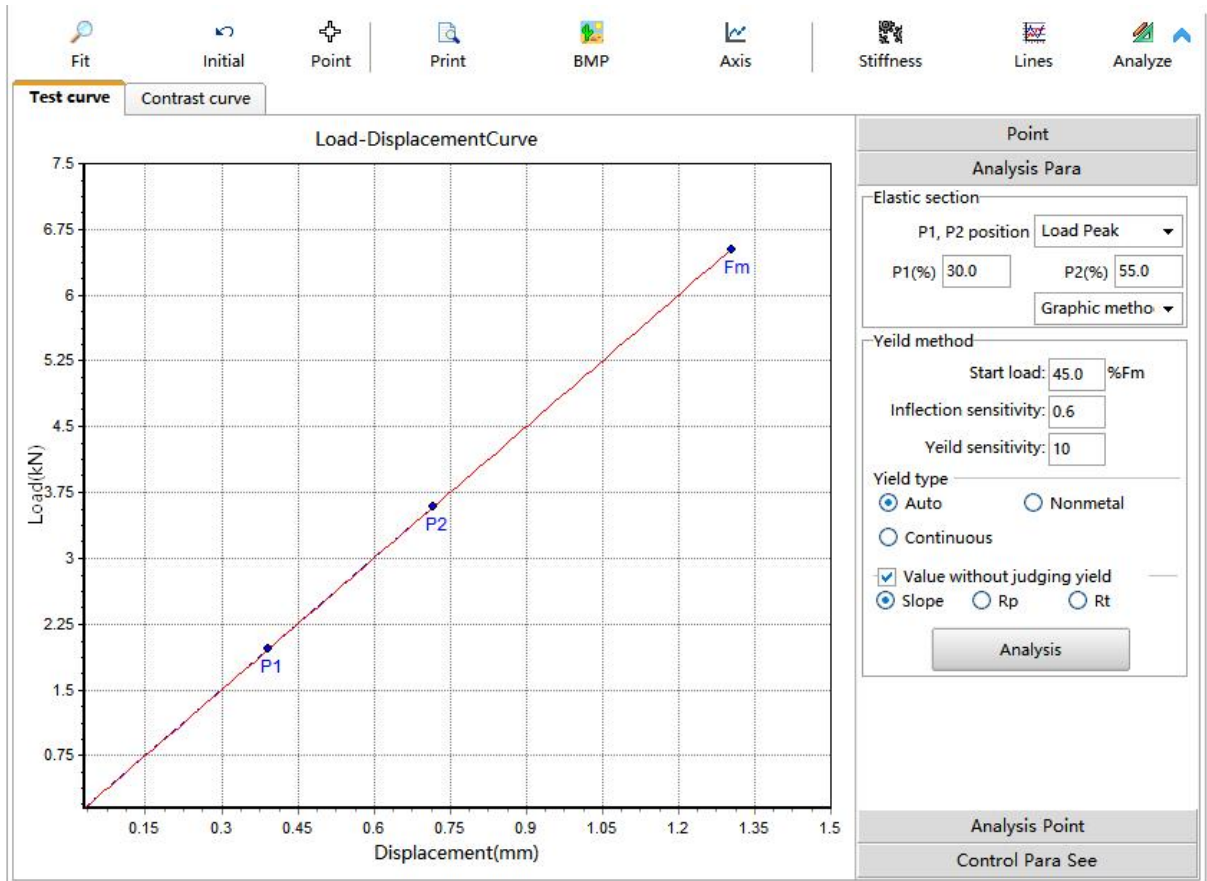


Batch Report

- Batch reports can be displayed in one paper and also can be output in PDF or HTML format.



- The software automatically figure-out routine data such as tensile strength, yield strength, modulus of elasticity, extend rate after rupture, non-proportional extend strength etc.



For further information please contact:

TEST
MACHINES
AUSTRALIA

0418 369 505

sales@testmachines.com.au

www.testmachines.com.au