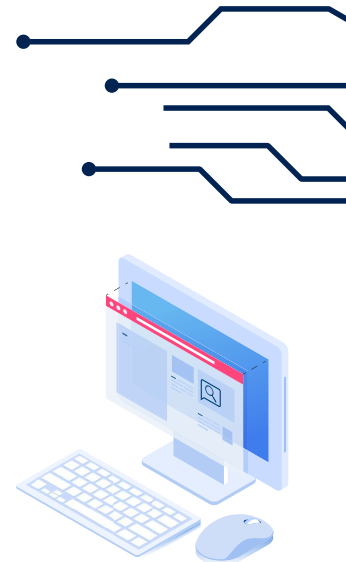
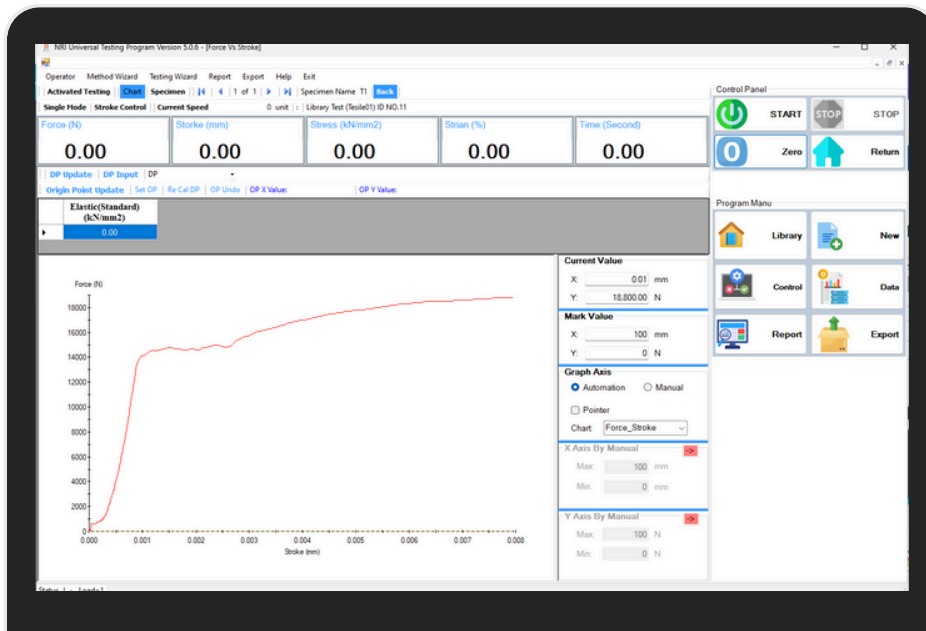


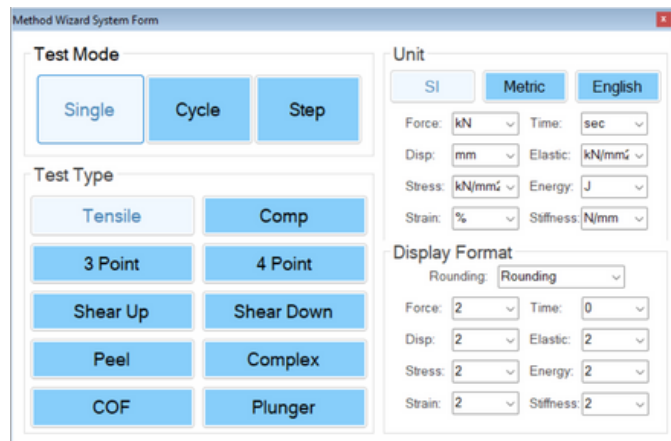
# Universal Testing Machine

NRI V.5.0



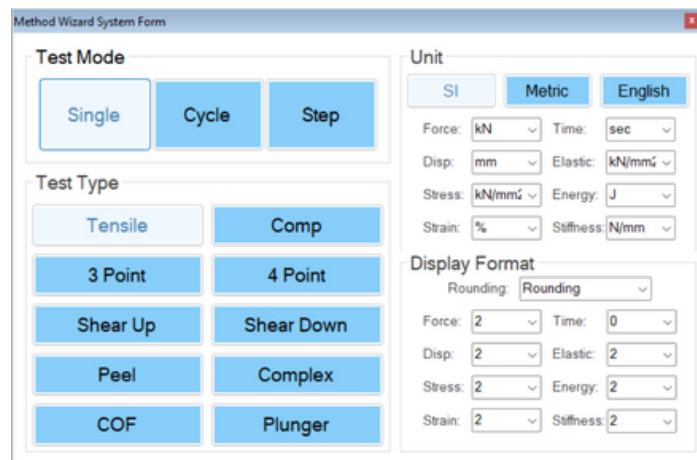
## TEST MODE

- Single
- Cycle
- Step



## TEST TYPE

- Tensile
- Compression
- 3 Point
- 4 Point
- Shear Up
- Shear Down
- Peeling
- Complex
- COF
- Plunger



# Universal Testing Machine

NRI V.5.0



Unit: SI, Metric, English

Force: kN, Time: sec

Disp: mm, Elastic: kN/mm<sup>2</sup>

Stress: kN/mm<sup>2</sup>, Energy: J

Strain: %, Stiffness: N/mm

Display Format: Rounding: Rounding

Force: 2, Time: 0

Disp: 2, Elastic: 2

Stress: 2, Energy: 2

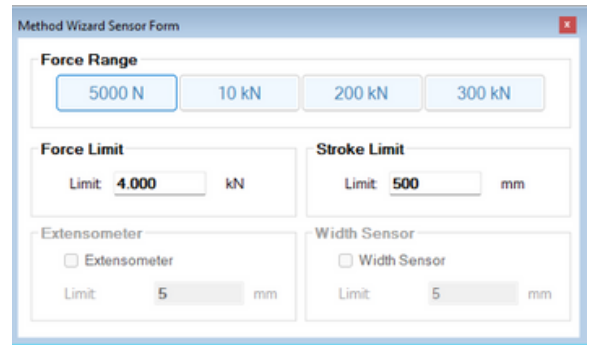
Strain: 2, Stiffness: 2

UNIT

- SI
- METRIC
- ENGLIST

CUSTOM DISPLAY

## MULTI SELEC LOAD



Method Wizard Sensor Form

Force Range: 5000 N, 10 kN, 200 kN, 300 kN

Force Limit: Limit: 4.000 kN

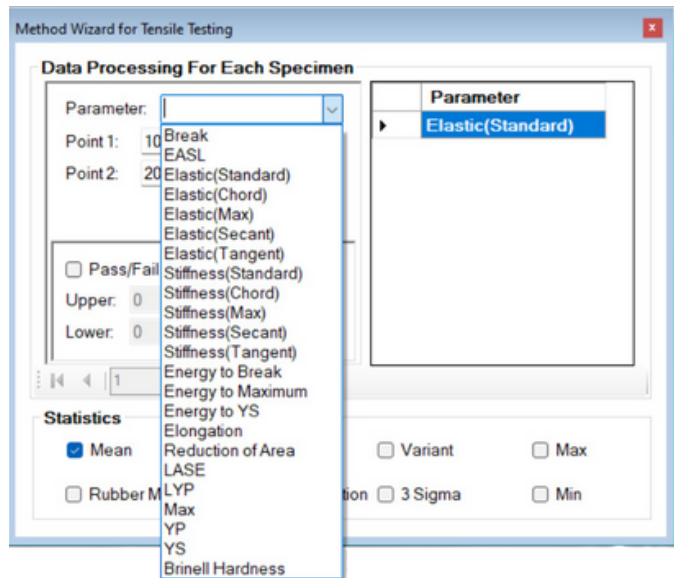
Stroke Limit: Limit: 500 mm

Extensometer:  Extensometer, Limit: 5 mm

Width Sensor:  Width Sensor, Limit: 5 mm

## DATA PROCESSING

- Select Result By Use
- Calculator Statistics

Method Wizard for Tensile Testing

Data Processing For Each Specimen

Parameter: Elastic(Standard)

Point 1: 10 Break, EASL

Point 2: 20 Elastic(Standard), Elastic(Chord), Elastic(Max), Elastic(Secant), Elastic(Tangent), Stiffness(Standard), Stiffness(Chord), Stiffness(Max), Stiffness(Secant), Stiffness(Tangent), Energy to Break, Energy to Maximum, Energy to YS, Elongation, Reduction of Area, LASE, LYP, Max, YP, YS, Brinell Hardness

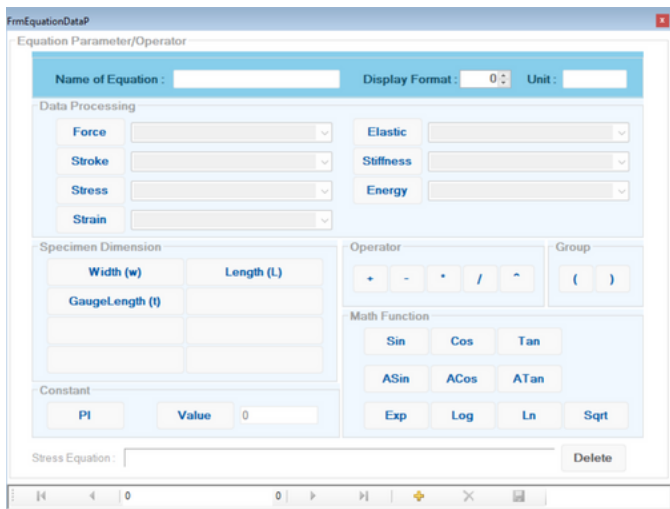
Statistics:  Mean,  Rubber M

Upper: 0, Lower: 0

Variant:  Variant, Max:  Max, 3 Sigma:  3 Sigma, Min:  Min



FORMULA DESIGN BY USER



Equation Parameter/Operator

Name of Equation: , Display Format: 0.2, Unit:

Data Processing: Force, Stroke, Stress, Strain, Elastic, Stiffness, Energy

Specimen Dimension: Width (w), Length (L), GaugeLength (t)

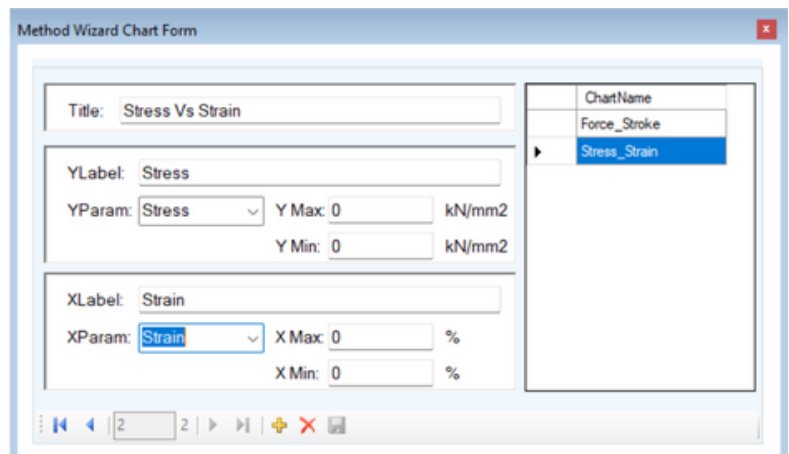
Operator: +, -, \*, /, ^, (, )

Math Function: Sin, Cos, Tan, ASin, ACos, ATan, Exp, Log, Ln, Sqrt

Constant: PI, Value: 0

Stress Equation: , Delete

## MULITI SELECT CHART CUSTOM BY USER

Method Wizard Chart Form

Title: Stress Vs Strain

YLabel: Stress

YParam: Stress, Y Max: 0 kN/mm<sup>2</sup>, Y Min: 0 kN/mm<sup>2</sup>

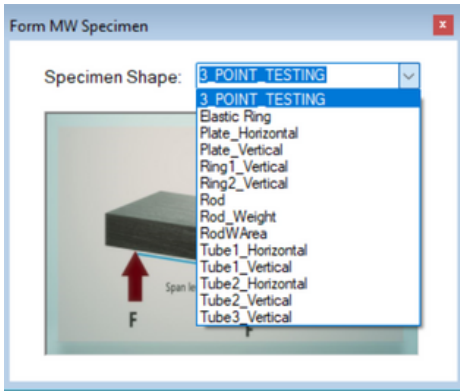
XLabel: Strain

XParam: Strain, X Max: 0 %, X Min: 0 %

ChartName: Force\_Stroke, Stress\_Strain

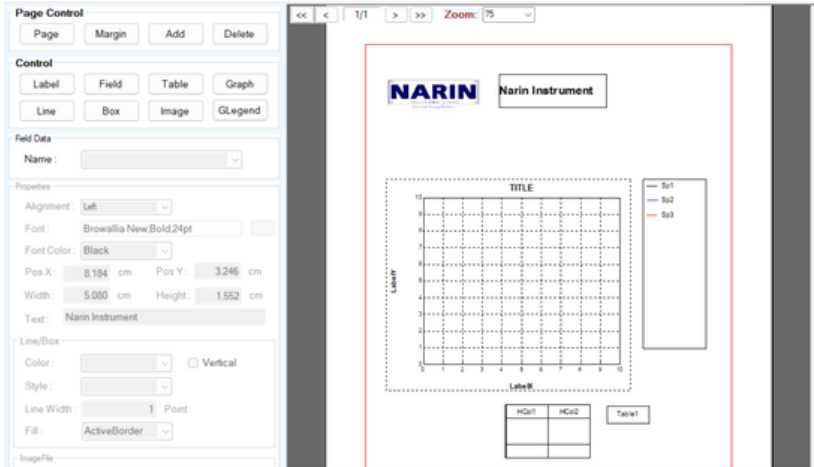
# Universal Testing Machine

NRI V.5.0



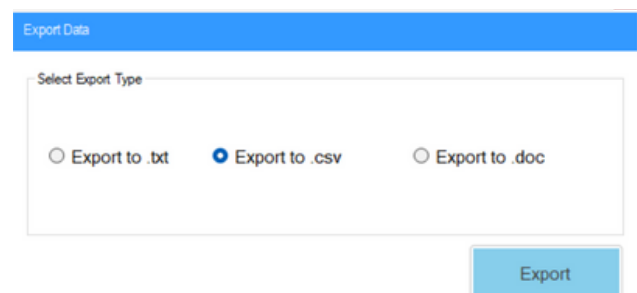
◀ SPECIMEN SHAPE SELECT

LABELS VALUE IN CHART ▶



◀ CUSTOM REPORT BY USER

EXPORT RAW DATA AND RESULT ▶



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🌐 <https://www.narin-instrument.co.th>

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