



## Tensile Tester with Video Extensometer (Strain Hardening Tester for Polymers-ISO 18488)

### Description

- According to ISO 18488 //
- Two column tensile tester //
- Hot air cabin up to 80C //
- Video extensometer //
- Computer controlled //
- USB port for computer //
- Software included //
- Ball screw //
- Timing belt force transmission //
- 100kgf loadcell //
- 10KN force capacity (customer can change the load cell in the future and get forces up to 10KN) //
- Software functions for calculation of strain hardening modulus according to ISO 18488 //
- Report to MS office Excel //
- Computer is not included //
- Air circulation inside test chamber for temperature homogeneity //
- SS304 inside chamber //
- Easy calibration of force and distance by the operator //
- Door with glass for the application of video extensometer //
- Video extensometer with installation base is included //
- PID temperature controller for the test cabin //
- Customer also need hot press and sample cutter to do the tests, that is not included in basic machine, will be quoted separately in case of need //
- Servo motor controlled //
- Ball screw for moving mechanism //
- USB port for computer connection (computer is an option) //
- Windows-based software //
- Grips as per customer request for different products (as an option) //
- Easy operation and clear visualization (test curves, calculations) //
- Easy to change the grips via male-female connection //

- Accuracy  $\hat{A}\pm 0.5\%$  of full scale //
- Precise self-cleaning ball-screw //
- Brush-less servo motor quarantine maintenance-free operation //
- Load resolution 1 over 10000 //
- Displacement accuracy  $\hat{a}\% \pm 0.5\%$  //
- Speed range 0.01-200 mm/min //
- Hard chrome guide shafts //
- Overload protection //
- Travel limit switches //
- Manual high-speed up and down detachable hand key //
- Power 220V-50Hz //
- Training video included //
- Remote online support for software

AHP PLASTIK MAKINA