



Technology and Art, Dignity and Dynamics **impress** customers at last.



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∮ ST-1000

∮ ST-1001

∮ ST-1002

♦ ST-1004



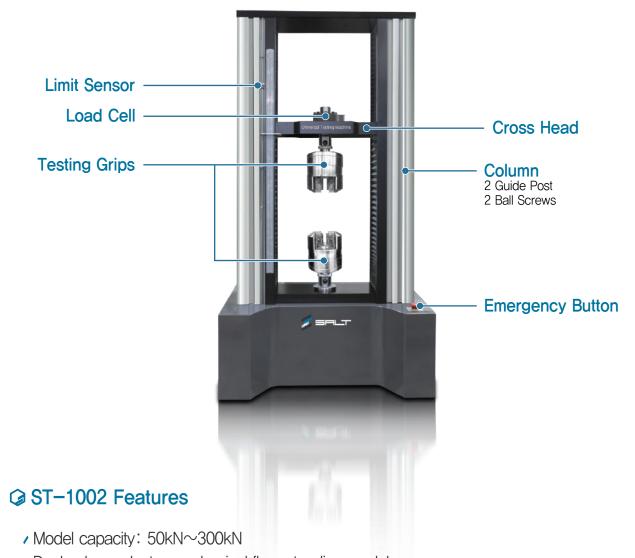






Universal Testing Machine

The ST-1002 is designed to serve the requirements of laboratories, research and development, quality control, manufacturers and educational fields. Hard plastics, metals, composites, wood, rope etc. are ideal specimens for the ST-1002. Tests such as tensile, compression, bending, peel, shear, puncture etc. are test methods available on the ST-1002

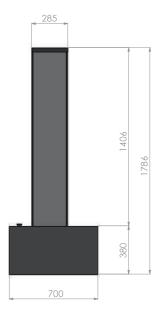


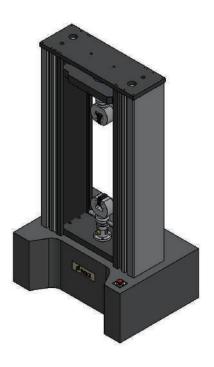
- Dual column electro mechanical floor standing model
- / High precision load cell, class 1 and class 0.5 calibration
- 1/300,000 force resolution / 0.001mm/min speed accuracy
- √ 0.01~300mm/min speed (up to 1000mm/min option)
- 220V 60/50Hz Mitsubishi servo motor and drive
- Up to 4 step division of force capacity for more detailed readings
- Overload protection limit sensor, non-contact displacement limit sensor, emergency power cut off button

Product Specifications

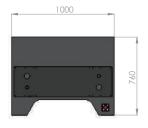


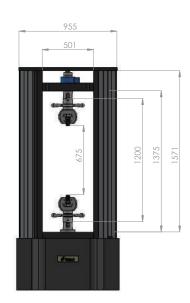


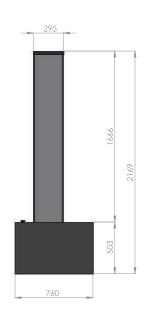


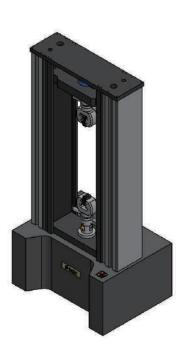


SALT
ST-1002 (50KN)
Universal Testing Machine



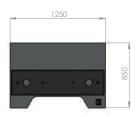




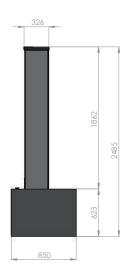


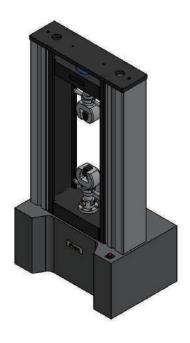
SALT
ST-1002 (100KN)
Universal Testing Machine

Product Specifications









SALT
ST-1002 (300kN)
Universal Testing Machine

Product Specifications

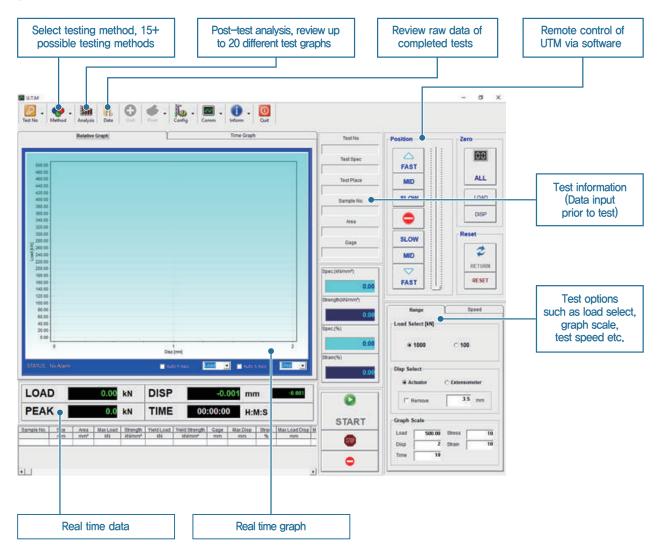


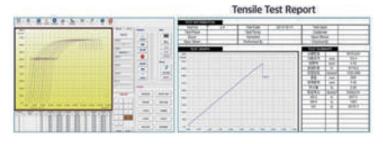
Model	ST-1002			
Frame Capacity	30kN / 50kN	100kN	300kN	
Loading Method	220V Servo Motor (Mitsubishi) electromechanical			
Load Accuracy	±0.5%			
Calibration	Class 1 / Class 0,5			
Force Resolution	1/300,000			
Stroke resolution	±0,001mm			
Test Room (WxH mm)	470 x 1040	500 x 1200	620 x 1230	
Total Weight (Approx.)	600kg	1200kg	1500kg	
Force Range	Up to 4 Steps			
Column	Dual			
Controller	LCD Digital Indicator, Force control, Position control			
Transfer Screw	Ball Screw / Guide bar			
Crosshead Speed	0.01mm \sim 500mm/min (1000mm/min max optional)			
Speed accuracy	0,01mm/min			
Driving System	Mitsubishi Servo Motor & Server Driver (Japan)			
Safety Device	Up limit, Down Limit, Load limit, Stroke Limit, Emergency stop			
Power Supply	AC 220V / 50,60Hz	AC 220V, 3PH / 50,60Hz		
Dimension (W x D x H mm)	950 x 700 x 1900	1000 x 760 x 2200	1250 x 850 x 2500	
Computer Software OS	Windows, Light-Salt UTM Software Version 12,6,0			
Extensometer	Encoder type, Strain gauge type, Position meter type (Optional) ETC.			
Environmental Chamber	Temperature control −100°C ~150°C+ (Optional)			
High temperature furnace	Room temp. ∼ 1200°C (Optional)			

Light-Salt Testing Software

- Light-Salt testing software, close loop. Control of load, displacement, extension, stress and strain.
- Remote control via software, text execution, data analysis available through industrial comm port.
- Software updates and modification installation available via email or remote support.

Software main screen

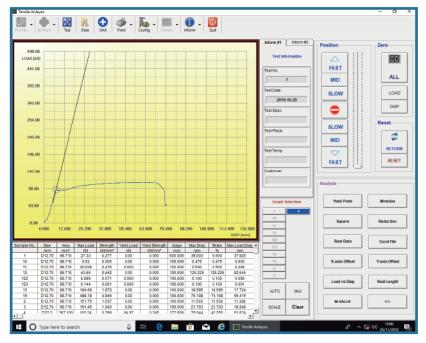




Light-Salt Software exclusively for the ST-1000 Series enables users to find the intrinsic characteristics of various materials - such as stress, strain, modulus, yield point etc. These are the main measures of material property tests such as tensile, compression, flexural, cyclic, fatigue etc. Software can be modified for special tests and measurements upon user's requirements and may be analyzed post-test.

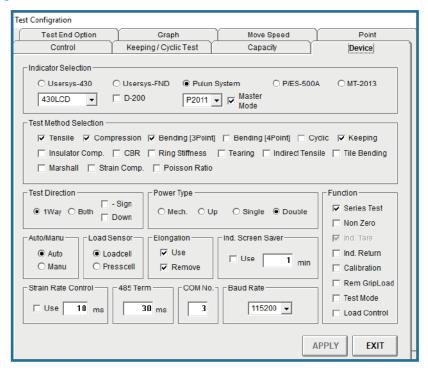
Light-Salt Testing Software

Test Analysis Screen

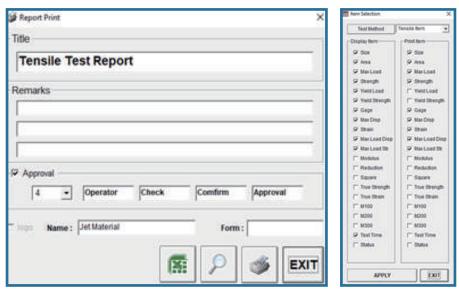


- Diverse and robust configurations for automatic test end options, graph options, PID values, crosshead movement speeds etc.
- √ 15+ different Testing Methods including cyclic, creep, relaxation, keeping etc.
- View data and graphs of previously ran tests
- Determine and analyze data points such as yield point, breaking point, modulous etc.

Device Configuration

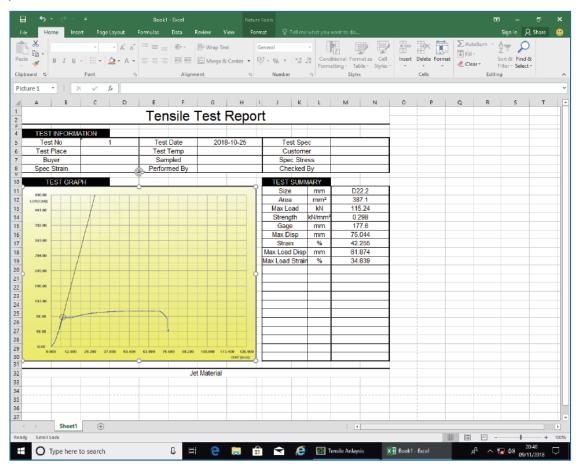


Test report print options



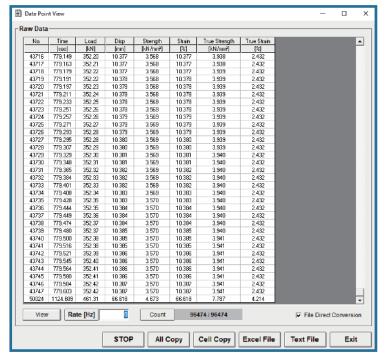
- Test report printing options include direct to printer or excel file export.
- Test report data can be configured to show only necessary data and to exclude unused data.

Export to Excel



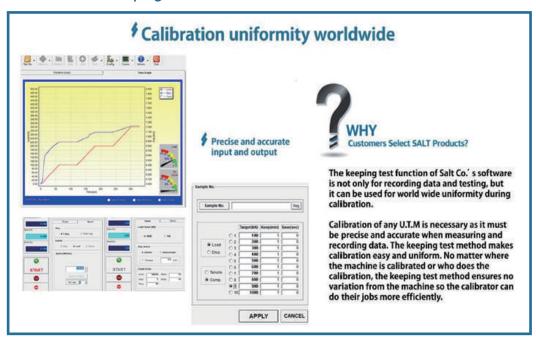
Light-Salt Testing Software

Raw data



- Raw data analysis for detailed test data
- Exportable to excel and customizable to show user required data

Uniform calibration with keeping test method



- Keeping test calibration method for easier uniformity when calibrating Salt Co., UTMs.
- Keeping test is the basis for creep test and relaxation test method.
- Over 15 different testing methods including tensile, compression, bending, keeping, tearing, CBR etc.
- All UTMs go out with a KOLAS Class 1 / Class 0.5 calibration. Yearly calibration can be done from anywhere internationally with this method.





SALT Co., Ltd.

Head Office/Plant | #12-5 Dohwa Techno, 133 Yeomjeon-ro, Nam-gu, Incheon, Korea

Plant 2 | 32 Seokcheon-ro 453beon-gil, Ojeong-gu, Bucheon-si, Gyeonggi-do, Korea

Email | salt@light-salt.kr

T E L | 1800-8783

F A X | 032-777-5586

www.light-salt.kr





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