



## SPECIFICATIONS

Tensile testing machine designed to conduct tensile, compression, bending, shearing, bonding strength, peeling, tearing tests for leather, rubber, plastic, metal, nylon, fabric and other materials. It should have twin-column model with reliable mechanics incorporating digital software control. used for research, quality and process control to test the tension, compression, peel, shear, tear, puncture and adhesion, with operating software and colour printer, capable for measuring tensile and compressing forces up to 20 KN, High precision guidance having operating software, capable for operating at a constant continuous speed up to maximum force (0.001 up to 500 ± 10) mm/min, test area at least. 400 x 1400 mm, automatically detection of adjustment and calibration- electronic system and software, compressive sensor at least 20.0 KN circular type, stable against transversal forces min class I. Adopt AC servo drive system, gear reducer, synchronous pulley, precision ball screw components beam move stable with low noise and high precision of extension. aluminium alloy column shell, deal with high temperature and solidify injection on the machine surface should never fade.it has beam's limit cams protecting device, clamp touch avoids protecting device, set up protection on displacement and load software, sensor overload protection, sample load software protection, overcurrent and overvoltage protection real time supervision to main parts, adopt open system, user can edit test program, data analysis formula, test report according to test material's category, character and test methods requires. It provides many kinds of humanity automatic mode. electronic clamp, trial initiation set as clamp grip auto-start or pre-tension auto grip start. It is set as clamp auto open after finished test. It is computerized testing machine also is set clamping distance and auto location. The distance of scraping capable set freely.

Test Speed: 0.001-1000mm/min, up and down fast adjustment button grips, Stop Mode: Overload stop, Emergency stop button, Specimen damage automatic stop, Upper and lower limit set automatic stop, automatic return function, Display: Computer display mode, Force unit switch: Kgf, N, lbf, g, ton, Mpa, Dimensions (LxWxH) mm: 820x630x1600mm, Weight: 150 to 200 Kg. Desktop computer: Desktop digital computer cover with range 0 to 25 mm

Note: Specifications are subject to change, Photos shown above are indicative, Actual Product can vary.



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with 0.01 mm resolution, Upload speed: Automatically controlled: 0.02 MPa / min to 250 MPa / min. Feed speed: Automatically controlled: 0.001 mm / min to 300 mm / min. Desktop feature 27" 4K Ultra HD vivid display. all-in-one desktops. Dimensions:17"x24.6" x3.16", Processor: 7th Gen or above. Intel Core i7 -7700 (8MB cache) 3.6 GHz. Operating System: Windows 10 Professional - 64bit. Storage Capacity: 16GB/32GB, 2400MHz, DDR4. Hard Drive Details: 512GB PCIe SSD. Video Card: AMD RX 570 8GB GDDR5. Optical Drive: Tray Loading Dual Layer DVD Burner. Security Software: McAfee LiveSafe 12 Month /36-month Subscription. Hard Ware(S) Info: Keyboard: Wired/ Wireless, Mouse: Wired/ Wireless, Ports/slots: 4 x USB 3.0. HDMI-out, DisplayPort 1.2, 2 x Thunderbolt 3 (supports Type-C, USB3.1, DisplayPort, PS), Gigabit Ethernet, audio out. Connections: Wireless: 802.11ac, Bluetooth: 4.2, Web Cam: HD 720p. Colour multifunction printer: Colour multifunction printer designed to colour print on the paper, A 50-sheet single-pass duplex automatic document feeder handles media sizes from 5.5 x 5.5 in. to 8.5 x 14 in. / 139.7 x 139.7 mm to 216 x 356 mm. Powerful scanning features include the ability to create searchable PDFs with integrated optical character recognition (OCR), Scan to Email, Network Scanning and Direct Scan to Applications. A front-side USB port to any standard USB memory device. Adjustable 50-sheet Bypass Tray accepts custom media sizes 3 x 5 in. -8.5 x 14 in. / 76 x 127 mm to 216 x 356 mm. 250-sheet Tray 1, custom media sizes 3 x 5.8 in. - 8.5 x 14 in. / 76 x 147 mm to 216 x 356 mm. 550-sheet Tray 2. Operating software to test: Test and control system designed for PC Electronic Universal Testing Machines, PC Hydraulic Universal Testing Machines and PC compression testers. conduct tensile, compression, bending, shearing, tearing and peeling test; use PC and interface board for data collection, preservation, processing and printing test result; calculate max force, yield strength, average peeling force, max deformation, yield point, elastic modulus and other parameters. Conduct curve graphics processing, multi-sensor support, video and image interface, flexible data processing, MS-access database support.. Ready-to-load software (specific to test methods) together with test-specific jaws should be provided for a wide range of tests. Fully programmable for registration trials. Time graphical actual strength / resistance / strain / displacement vs. weather; strength / endurance vs. time deformation. Sample load resistance, deformation / displacement and loading rates, strength and deformation / displacement. Calculate breakpoint, maximum load and deformation or elongation. Testing tensile strength, modulus of elasticity and yield point. Graphic actual resistance vs. time Deformation. Automatic calculation of standard reports results. Accessories: 1set English Operation Software, 1set Cable Connect with PC, set Computer with colour printer, 1set Load Cell: instrument is supplied with one set of 2 kgf load cell, one set of 5 kgf load cell, one set

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of 10 kgf load cell. One of set Pneumatic Grips: Test-specific jaws (wide range of tests): a. A specially shaped 'C' clamp in the peel strength testing of footwear sole to upper, general-purpose clamp. Top clamp provided (used in conjunction with bottom clamp), b. Tests the protective midsole as a separate unit for nail penetration. Supplied as jaw set (top and bottom), c. Test the 'needle tear test', device allows sample material to be clamped and a series of needles pushed through the material. Bottom clamp provided (used in conjunction with a top clamp), d. Test the 'Baumann tear test'. a pair of jaws, e. Thread bollards to determine the breaking load of threads and laces. a pair of jaws, f. The top-line bollards to determine breaking force and extension at break of whole shoe top-lines a pair of jaws, g. Transverse through thickness, tensile strength through thickness of sheet materials, ('AZ tensile test'), jaw set (top and bottom), h. A versatile, standard, flat jaw, used for a variety of general-purpose clamping. Sold individually (normally a pair would be required), i. determine the strength of footwear insole board, a complete unit, j. Test the strength of adhesion of the finish to the leather or synthetic material. It should have hook attached to one jaw and a sample holder to the other, a jaw set (top and bottom), k. Measure the strength of attachment of heel to shoe. Bottom clamp provided (used in conjunction with a top clamp), l. assess the strength required to pull a nail from the heel of footwear. a pair of jaws, m. An attachment footwear lastometer tests carried out to check the burst or crack strength as a complete unit n. assess the attachment strength of the shoelace tag to the lace. Top clamp provided (used in conjunction with a bottom clamp), o. tests a whole sole unit, complete with protective midsole, for nail penetration, jaw set (top and bottom) p. A unique self-locking jaw with a quick release action that should be used as a general-purpose clamp for many duties. Instruments should be supplied at least the following cutting dies: Single edge cutting dies for all test sample preparation 2pcs according to the standards, 2pcs of digital vernier calliper with a stainless body, Battery operated (Button cells) fitted with LCD display, accuracy of 0.01mm, switch for display of Metric (mm) and British (Inch) units, Jaws for measuring internal diameter of 150 mm, Jaws for measuring external diameter of 150 mm, Blade for measuring depth of 150 mm, Display On/Off control switch, Zero setting switch for self-calibration, Locking screw for movable jaw, Protection storage box, 2pcs of steel ruler(15 cm), accuracy to 0.1mm, range 0.1mm- 30mm, 20pcs press knife (cutter) small with blade.

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