

Sr. No.	Description	Qty. Required (No.)
1	<p data-bbox="85 80 353 108"><b>Universal Testing Machine</b></p> <p data-bbox="85 114 663 142"><b>Model:</b> Dual column floor standing Universal Testing Machine</p> <p data-bbox="44 148 241 176"><b>a Technical Data:</b></p> <p data-bbox="85 181 350 210">Max Load Capacity: 250 KN</p> <p data-bbox="85 215 543 243">Load Measurement Accuracy: <math>\pm 0.5</math> % of reading</p> <p data-bbox="85 249 642 277">Testing (Cross-head) Speed Range: 0.0001 to 600 mm/min</p> <p data-bbox="85 283 506 311">Cross-head Return Speed: Min. 600 mm/min</p> <p data-bbox="85 317 521 345">Testing Speed Accuracy: <math>\pm 0.1</math> % of set speed</p> <p data-bbox="85 350 674 378">Displacement Measurement Accuracy: 0.05 % of displacement</p> <p data-bbox="85 384 419 412">Vertical Test Space: Min. 1400 mm</p> <p data-bbox="85 418 430 446">Horizontal Test Space: Min. 575 mm</p> <p data-bbox="85 452 517 480">Data Acquisition Rate at the PC: Min. 2.5 KHz</p> <p data-bbox="85 485 408 514">Machine Type: Electromechanical</p> <p data-bbox="85 519 768 547">Machine can Perform Tests: Tensile, Compression, Bend and Creep test</p> <p data-bbox="85 553 871 581">Drive System: AC servo-motor with concentrated windings, motor feed back system and variable speed drive system</p> <p data-bbox="44 587 252 615"><b>b Safety Features:</b></p> <p data-bbox="85 620 306 649">Emergency stop button</p> <p data-bbox="85 654 336 682">Crosshead position limiter</p> <p data-bbox="85 688 216 716">Software limit</p> <p data-bbox="85 722 281 750">Over load protection</p> <p data-bbox="44 756 183 784"><b>c Software:</b></p> <p data-bbox="85 789 757 817">Digital display of force, displacement, cell capacity, speed, position etc.</p> <p data-bbox="85 823 707 851">Real time graphic display with multiple axis selection, auto scaling</p> <p data-bbox="85 857 852 885">PC software with extensive calculation library and built-in ASTM/ISO specification analysis</p> <p data-bbox="85 891 321 919">Report and result export</p> <p data-bbox="44 924 445 953"><b>d Operating Conditions/Environment</b></p> <p data-bbox="85 958 394 986">Temperature Range: 10 to 40°C</p> <p data-bbox="85 992 358 1020">Humidity Range: 10 to 90 %</p> <p data-bbox="85 1026 521 1054">Electrical Supply: 400/220 VAC <math>\pm 10</math>%, 50 Hz</p> <p data-bbox="44 1059 380 1088"><b>e High Temperature Chamber:</b></p> <p data-bbox="85 1093 459 1121">Up to 450°C with temperature controller</p> <p data-bbox="85 1127 801 1155">Guide-rail mounting to allow the chamber to swing out of the test area when conducting room temperature testing</p> <p data-bbox="85 1161 794 1189">Facility for direct attachment of extensometer on the test specimen for high temperature testing</p> <p data-bbox="44 1195 238 1223"><b>f Extensometer.</b></p> <p data-bbox="85 1228 484 1256">With gauge lengths from 10.0 to 50.0 mm</p> <p data-bbox="85 1262 495 1290">Capable to use at high temperature (450°C)</p> <p data-bbox="85 1296 394 1324">Light weight and self supporting</p> <p data-bbox="44 1330 495 1358"><b>g Limit of Supply (Standard Accessories):</b></p> <p data-bbox="85 1363 598 1391">Must be supplied with standard accessories including:</p> <p data-bbox="85 1397 179 1425">Load cell</p> <p data-bbox="85 1431 412 1459">Wedge tensile grips and flat grips</p> <p data-bbox="85 1465 441 1493">Compression plates: <math>\phi</math> 100 &amp; 200 mm</p> <p data-bbox="85 1498 648 1527">Extensometers (for room and elevated temperature testing)</p> <p data-bbox="85 1532 161 1560">Tool kit</p> <p data-bbox="44 1566 161 1594"><b>h Spares</b></p> <p data-bbox="85 1600 885 1665">Essential spares for 05 years operation minimum including load cell, extensometers, thermocouples, wedge tensile grips, flat grips ect and any other spares which are essential for maintenance may be ensured</p> <p data-bbox="44 1671 347 1699"><b>i Documentation/Manuals:</b></p> <p data-bbox="85 1705 412 1733">All relevant calibration certificates</p> <p data-bbox="85 1739 543 1767">Electrical and control circuit diagrams in english</p> <p data-bbox="85 1772 292 1800">Mechanical drawings</p> <p data-bbox="85 1806 805 1834">Installation, operation, maintenance and troubleshooting manuals in english</p> <p data-bbox="44 1840 321 1868"><b>j Optional Accessories:</b></p> <p data-bbox="85 1874 620 1876">General purpose flexural grips and fixtures for bend test</p>	<p data-bbox="929 80 1046 136"><b>01</b> Complete Unit</p>