

Specifications of Low Capacity Computer Controlled Mechanical Testing Machine

Sl. No.	Equipment	Description
1.	<p style="text-align: center;">Low Capacity Computer Controlled Mechanical Testing Machine (Origin: Japan, Korea, West European, Germany, U.S)</p>	<p>Main System Functions:</p> <ul style="list-style-type: none"> ▪ Machine should be capable of testing materials including metals, plastics, polymer and composite materials. ▪ Machine should have Built-in pneumatic distribution ports to provide local air supply to pneumatic grips. <p>Load Range:</p> <ul style="list-style-type: none"> ▪ Machine should have interchangeable load cells of 5kN, 10kN, 25kN and 50kN <p>Technical Parameters:</p> <ul style="list-style-type: none"> ▪ Test speed range: 0.01mm – 1000 mm/min ▪ Accuracy: +/- 0.2% of applied force across load cell force range ▪ Vertical Test Space: 1000 mm - 1400 mm ▪ Crosshead Travel: 800 mm - 1200 mm ▪ Column Spacing: 400 mm - 500mm ▪ Floor Mounted <p>Control System:</p> <ul style="list-style-type: none"> ▪ Computer controlled with easy software interface for stress-strain curve, real time load/displacement measurement. ▪ Testing mode for load and displacement control ▪ Active strain control to avoid pre-stressing of the specimen <p>Additional Accessories:</p> <ul style="list-style-type: none"> ▪ Additional pairs of provided grips and fixtures must be included ▪ Additional external grips for testing flats, rounds, headed and threaded specimens, fasteners. ▪ Extensometer <p>Pre-shipment inspection and Training</p> <ul style="list-style-type: none"> ▪ Free of cost pre-shipment inspection and training for 02 personnel at manufacturer's site for one week ▪ Installation and commissioning at buyer's site