



Frank Bacon Machinery Sales Co.  
21251 Ryan Road  
Warren, MI 48091  
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Stock #	DESCRIPTION
FB-100EM	<p data-bbox="300 352 1193 388"><b>NEW Frank Bacon 22.5K (100kN) Tensile &amp; Compression Test System</b></p> <p data-bbox="300 394 1469 462">(1) NEW 22,500 lbf (100 kN) Capacity, Frank Bacon Machinery Model, FB-100EM, Floor Standing, Precision Two Ball Screw Dual-Space Tension and Compression Testing Machine with Precision Load Cell.</p> <p data-bbox="706 468 1063 493"><b>Frank Bacon Model FB-100EM</b></p> <p data-bbox="779 499 990 525"><b>SPECIFICATIONS:</b></p> <p data-bbox="300 535 820 562"><b>Tension Testing Opening (Less Tooling): 48"</b></p> <p data-bbox="300 569 885 596"><b>Compression Testing Opening (Less Tooling): 48"</b></p> <p data-bbox="300 602 787 630"><b>Distance Between Columns/Screws: 22.5"</b></p> <p data-bbox="300 636 527 663"><b>Testing Stroke: 48"</b></p> <p data-bbox="300 669 673 697"><b>Testing Speed (IPM): .00002 – 20</b></p> <p data-bbox="300 703 738 730"><b>Crosshead Adjusting Speed (IPM): 20</b></p> <p data-bbox="300 737 722 764"><b>Measurable Load Range: .4-100%FS</b></p> <p data-bbox="300 770 673 798"><b>Measured Load Accuracy: ±.5%</b></p> <p data-bbox="300 804 690 831"><b>Strain Measuring Accuracy: ±.5%</b></p> <p data-bbox="300 837 901 865"><b>Displacement Measurement Resolution (mm): .001</b></p> <p data-bbox="300 871 1079 898"><b>Displacement Measurement Accuracy: Greater of ±.02mm and ±1%</b></p> <p data-bbox="300 905 706 932"><b>Strain Rate Control Accuracy: ±.5%</b></p> <p data-bbox="300 938 738 966"><b>Force Loading Control Accuracy: ±1%</b></p> <p data-bbox="300 972 803 999"><b>Displacement Rate Control Accuracy: ±1%</b></p> <p data-bbox="300 1005 544 1033"><b>Overall Dimensions:</b></p> <p data-bbox="300 1039 852 1066"><b>Electronic Console (W x D x H): 27.5" x 27" x 35"</b></p> <p data-bbox="300 1073 755 1100"><b>Load Frame (W x D x H): 39 x 29.5 x 86.5</b></p> <p data-bbox="300 1106 673 1134"><b>Load Frame Weight (lbs.): 2,425</b></p> <p data-bbox="300 1140 820 1167"><b>Electrical Requirements (V,HZ,PH): 230, 60, 1</b></p> <p data-bbox="779 1215 990 1241"><b>EQUIPPED WITH:</b></p> <ul data-bbox="341 1249 1453 1753" style="list-style-type: none"><li>• Computer System with Keyboard &amp; Mouse with 24" LED-Backlit LCD Color Monitor</li><li>• Microsoft Windows 10 Professional, Workstation</li><li>• MTESTQuattro, Material Testing Software for Data Acquisition (Load, Position &amp; 2 Strain), Analysis and Computer Controlled Testing with Manual.</li><li>• MTESTQuattro, Micro Console for Sensor Excitation and Analog/Digital Signal Processing with USB Cable.</li><li>• Electronic Material Testing Control System in Custom Cabinet/Desk with PC Controls and Crosshead Jog Controller.</li><li>• New Yaskawa AC Servo Motor with Incremental Encoder and Yaskawa Solid State Drive Controller for Precision Control of Testing Rates (Load, Position &amp; Strain).</li><li>• New Grips with Flat faces (0-7mm, 7-14mm, 14-20mm) and V faces (4-9mm, 9-14mm, 14-20mm)</li><li>• New Compression Platen (3.9" Dia)</li><li>• New 3 Point Bend Fixture (19.5" Span and .95" Roller Dia.)</li><li>• Self Aligning Tooling</li></ul> <p data-bbox="787 1753 982 1780"><b>FOB Warren, MI</b></p> <p data-bbox="584 1787 1185 1814"><b>Industry Leading 2 Year Parts and Labor Warranty</b></p> <p data-bbox="682 1820 1088 1848"><b>ISO 17025 Accredited Certification</b></p>



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**Guarantee:**

Unless otherwise specified, every machine is offered with the standard **MDNA** (*MACHINERY DEALERS NATIONAL ASSOCIATION*) Return privilege to ensure your complete satisfaction. If the machine is un-satisfactory it may be returned to our warehouse, freight prepaid and in the original condition within 30 Days of shipment for a full refund less the cost of SPECIALIZED EQUIPMENT, NEW ITEMS AND RE-CERTIFICATION COSTS, When applicable. Care is taken to provide accurate specifications. However, Critical areas should be verified by Inspection.