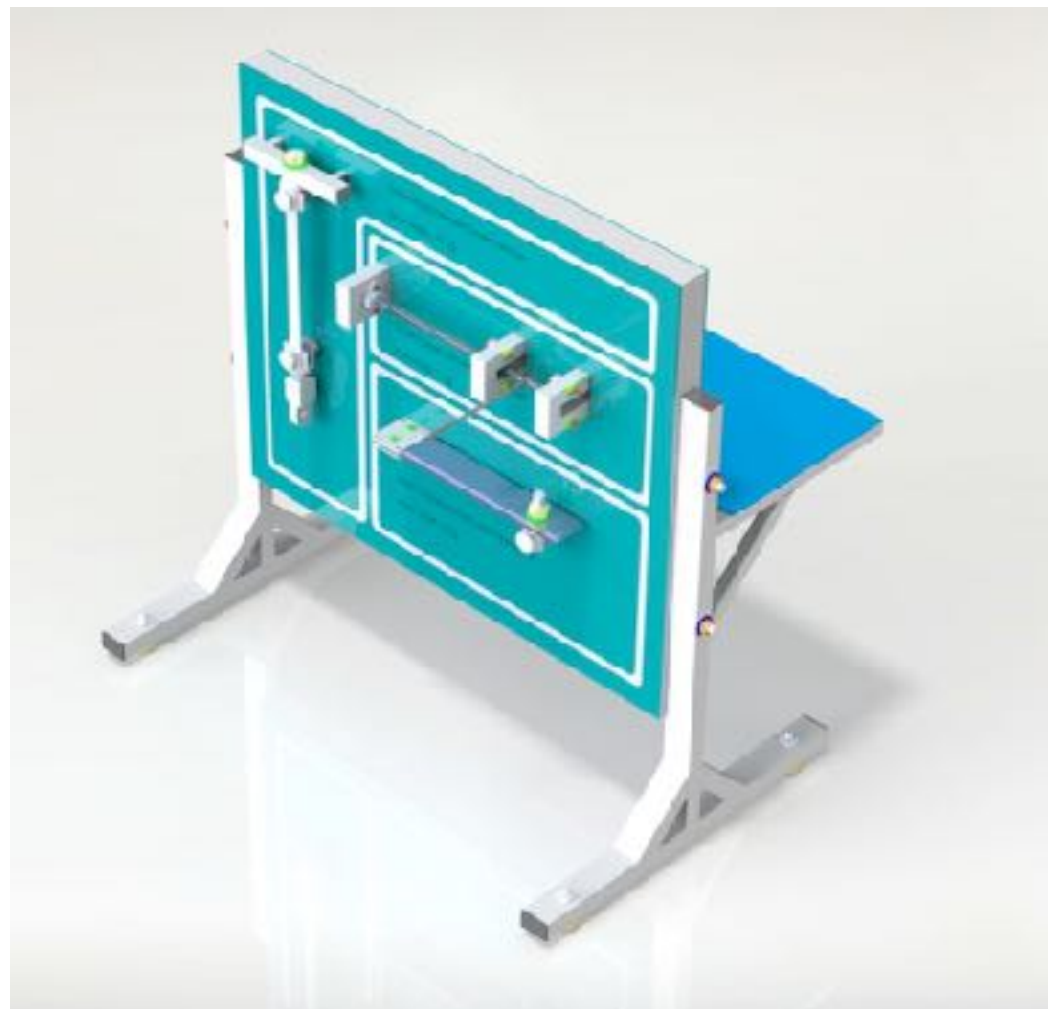


Development of a didactic benches for studying the working principle of different types of strain gauges
By Researcher Seyran Asanov



About the test bench

- The didactic test-bench can be used as a visual aid for students of technical educational institutions. It contains everything you need to show students how resistance strain gauges work on three different designs. It is ideal for groups of two or more students to conduct experiments and classroom demonstrations.
- Students can use the small set of masses to load the bending and torsion systems, and the large set of masses to load the tension system. They use theory and known dimensions to calculate the stresses and strains and compare them with the strains measured by the strain gauges. Students can also connect and compare the performance of quarter, half and full-bridge strain gauge connections for each structure