

Application Information

Pharmaceutical Capsule Manufacturing Facility

Test Tension force required to pull apart drug capsules

One of the largest Capsule Manufacturing Companies uses a Shimpo Instruments FGV-0.5XY Digital Force Gauge and FGS-100PVH Motorized Force Test Stand to test the amount of tension force required to pull apart the two halves of the capsules they manufacture. The low tension force required to pull apart the capsules warranted that the test procedure utilize a very sensitive, high resolution force gauge, which they found in the 0.5 lb. capacity FGV-0.5XY. The equipment is used on the production line which operates 24 hours a day, 7 days a week. The technicians are required to test the tension force of a certain sample quantity per production volume determined by their QC team. The technicians must calibrate the gauge daily to ensure each day's tests will provide proper results. The technicians find that our gauge is within specification every time they perform a calibration check. Plus, they appreciate the quick determination of pass/fail status on the test capsule that the gauge provides with its peak reading feature. Their rugged durability combined with a high level of precision makes Shimpo's test stands and gauges perfect for high usage production line applications.

Equipment Used

- FGS-100PVH Motorized Force Test Stand & FGV-0.5XY Digital Force Gauge



FGV Digital Force Gauge



FGS-100PVH Motorized Force Test Stand