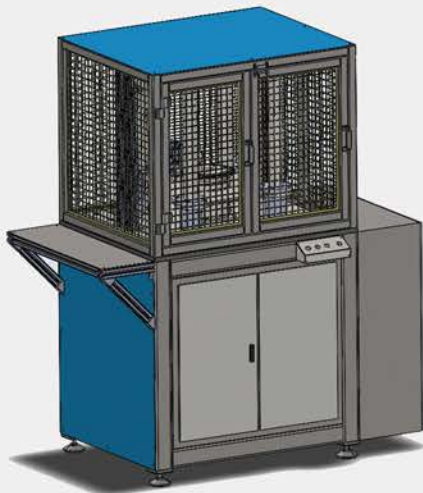


COIL SPRING PERFORMANCE TEST SYSTEM

Coil Spring Performance Test Bench is designed to measure performance characteristics of different types of coil springs, such as spring coefficient, force-displacement graphs, side load, coil width.

It is capable of testing different types of coil springs with its adjustable test fixtures.



TESTING

- **COIL COEFFICIENT**
- **SIDE LOAD**
- **COIL WIDTH**
- **FORCE-DISPLACEMENT GRAPHS**

SYSTEM FEATURES

- High precision force & displacement measurements
- Spring coefficient measurement
- Side load measurement (3 axis force measurement)
- Maximum and minimum coil radius measurement
- Coil spring length and coil width
- Up to 20 kN force application
- Adjustable actuator stroke with respect to customer requests
- The maximum radius can be measured over the desired stroke range
- Test report & data storage to SQL server
- Automated test report generation

CONTROLLER & SOFTWARE

- Configurable for different applications such as using pneumatic and hydraulic actuator, electromechanical and electric motor systems
- Input / output channel number configured with respect to the customer needs: digital, analog, communication, counter etc.
- 19" rack cabinet chassis (customizable)
- Sensor calibration menu
- Warning and alarm definitions



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