

# RoboScan S Vertical

RoboScan S Vertical provides fast and flexible measurements with high repeatability for vertically oriented parts.

RoboScan S Vertical is designed for quality control needs of small to medium sized circular symmetrical parts like gears and passenger car shafts.

## Standard system features

### ✓ Enclosure:

The robot is located inside the safety enclosure which houses the entire measurement movement system. The safety enclosure is equipped with an emergency stop system, safety door at the front and one service door on the left side. Electric cabinet is integrated to enclosure.

### ✓ Robot

- ABB Industrial Robot
- ABB Robot Controller
- ABB Teach Pendant

### ✓ Control panel with:

- Emergency stop push button
- Emergency stop reset button
- Reset cycle button
- Access request button
- Door open/close button

### ✓ Vertical rotation unit with manual chuck

MTD 250 Gear unit rotates the sample. 3-jaw chuck can be equipped with exchangeable custom jaws as an option.

### ✓ Keyboard and monitor mount

Ergonomic keyboard and monitor mount with the position adjustable for each operator.

### ✓ Measurement programming software

Measurement programming software takes care of running the robot when wanted programs are created. Creating measurement programs is made easy. Measurement programming software is connected with ViewScan measurement data analyzing software. As standard there are two options for measurement programming software (depends on the part to be measured):

- Stresstech Teaching App: suitable for vertically oriented parts like hypoid gears, bearings
- Html based human-machine interface: Suitable for shafts e.g. for measuring camshafts lobes and crankshaft journals.

### ✓ Part indexing

Laser indexing/Infrared camera indexing for sample orientation definition.

### ✓ Signal light tower



## Dimensions

Depth	1550–2450 mm	61.02–96.46 in
Width	2210 mm	87.01 in
Height	2120 mm	83.46 in
Weight	1000–1200 kg	2204–2646 lbs

## Part dimensions

Max. diameter	700 mm	27.56 in
Max. part length	500 mm	19.69 in
Max. part weight	150 kg	331 lbs