

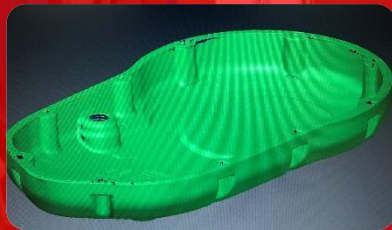
SMART INSPECTION & TESTING

Coordinate Measuring Machine (CMM)



When performing applications where the highest precision is crucial, such as in-line measurements, high-speed dynamic measurements, or high-accuracy machine calibration, the FARO Laser Tracker ION is a state-of-the-art interferometer (IFM)-based measurement system that provides the high accuracy and range you need to complete your measurement tasks. 110m (361 ft.) spherical working volume
Accuracy up to 0.015mm (0.0006 in.)*

Reverse Engineering



The 8-Axis Design ScanArm 2.5C is the ideal solution for any organization that may have the need to develop or manufacture parts and after-market products characterized by different coatings, materials, co-molded parts or surfaced finishes without existing CAD models. In addition, you can reverse engineer legacy parts to design changes or replacement, create digital libraries to decrease inventory and warehouse costs, design aesthetically pleasing free form surfaces or leverage the power of rapid prototyping.

The FARO 8-Axis Design ScanArm 2.5C is the ideal color capable 3D scanning solution for any organization that may have the need to:

- Capture and digitize objects and props in full realistic detail for digital visualization
- Manufacture parts without existing CAD models
- Develop aftermarket products that need to fit tightly with existing products
- Digital archiving and historical preservations
- Reverse engineer legacy parts for design changes or replacement
- Create digital libraries to decrease inventory and warehouse costs
- Design aesthetically pleasing, freeform surfaces
- Leverage the power of rapid prototyping



Non-Destructive Testing (NDT)



- Dye Penetrant Testing
- Magnetic Testing



- Ultrasonic Testing

Dimensions Inspection



Other Inspection



- Hardness Inspection



- Dry Film Thickness



- Roughness Inspection



Testing Services

Laboratory Management
ISO/IEC 17025 :2017

General Requirements for the Competence of Testing and
Calibration Laboratory

Mechanical Properties Testing

- Tensile Testing
- Yield Strength
- Elongation
- Bend Testing
- Impact Testing
- Hardness Testing



Hardness Testing

OES(Optical Emission Spectrometer)



O-N Analyzer Testing

Optical Microscope Testing



Calibration Services

Calibration

- **Dimension : Vernier Caliper 0-300 mm***
Vernier Caliper 0 - 1,000 mm
Outside Micrometer 0 - 1,000 mm
Inside Micrometer 50 - 1,000 mm
Dial Gauge/Indicator 0 - 10 mm



- **Pressure : Pressure Transmitter 0-250 bar***
Pressure Gauge 0 - 400 bar
Pressure Switch 0- 400 bar
Pressure Transmitter 0 - 400 bar

- **Temperature : Thermocouple Type J 35 to 250c***

Resistance Temperature Detector (RTD)
Temperature Gauge
Temperature Switch
Optical Pyrometer
Range : 35 to 1300 °C



- **Electrical : Temperature (23±2c) & Humidity (50±10%RH)**

Digital Multi meter / Digital Clamp meter / Transmitter

Amp / Voltmeter / Decade Resistor / Decade Capacitor

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