

# Prima RI

PRIMA Horizontal-Arm Coordinate Measuring Machine represents the state of the art in high-performance cost-effective flexible gaging of large volume workpieces for manufacturing support.

The quality of design and the superior mechanical structure, plus the broad range of probes, heads, and accessories, makes PRIMA a high-performance DCC CMM, easy to use under all operating conditions. The worktable support eliminates the need for costly foundations. The rugged construction is combined with a built-in linear thermal compensation system for reliable operation in production environments. PRIMA CMMs can be equipped with DEA CW43L high-performance servo wrist, laser sensors, continuous scanning probes, and probe and styli changers.

The Prima RI models feature an innovative architecture (Runway integral) that combines the advantages of the integrated workbench of the Console versions to the flexibility and ergonomics of the Runway versions. The workplate of the RI models can be installed flush-floor or even directly on an industrial floor and does not need dedicated foundations up to x strokes of 7000 mm. Prima RI is available in a single or dual arm configuration.

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## Standard Package

- Prima RI Base Machine Mounted to Integral Plate
- Control System
- PH 10 Shank
- Probe Head PH10M
- Touch Trigger Probe TP6
- PAA1 Adaptor
- Lightweight Extension Kit (50-, 100-, and 200 mm)

- Styli Kit
- Calibration Sphere
- Computer System, Monitor, Printer, Table/Workstation
- PC-DMIS CAD ++
- DataPage R/T Statistical Process Control Software
- Installation and On-site Performance Verification
- On-line User's and Maintenance Manuals
- PC-DMIS CAD++ Software Training
- Scanning probe ready

## Options

### Probing Options

- CW43L Continuous Rotary Head (2 and 3 Axis)
- Analog Scanning Sensor
- SP600 Laser Scanning Probe
- Tool Changers
- Probe Extension Kits
- Metris Laser Scanning Sensor

### Software Options

- PC-DMIS CAD++ Offline
- PCDMIS Sheet Metal Option (available with PRO and CAD)
- Direct CAD Interfaces (DCIs)

### Environmental Options

- Refrigerated Air Dryer
- Bellows Covers Kit
- Vibration Isolation Systems

#### Machine Options

- Worktable Threaded Holes
- Worktable T Slots
- Remote Keyboard and Monitor

#### Technical Information

#### Design features

- Open architecture design allows complete access and facilitates effortless material handling.
- Worktable support design eliminates the need for costly foundations.
- Rugged construction is combined with a built-in linear thermal compensation system for reliable operation within production environments.

#### Environment

- Nominal Temperature: 20 °C ± 4.0 °C (68 °F ± 7.2 °F)

#### Performance Data

- Brown & Sharpe tests and evaluates CMM products using the American standard ASME B89 and international standard, ISO 10360-2, and ISO 10360-4.
- Please visit the [About ISO Standards](#) page for ISO Standard information.
- To request performance information on this model [Click Here](#)

## Sizes

The Prima RI is available in the following sizes:

- 36.16.21
- 50.16.21
- 60.16.21
- 70.16.21
- 80.16.21
- 100.16.21
- 120.16.21
- 36.16.25
- 50.16.25
- 60.16.25
- 70.16.25
- 80.16.25
- 100.16.25
- 120.16.25
- 36.16.30
- 50.16.30
- 60.16.30
- 70.16.30
- 80.16.30
- 100.16.30
- 120.16.30