

Choose your CMM wisely...

PH[●]ENIX

***24/7 CMM Reliability
and Affordable Value***



Unique One-Piece Dual-Beam Bridge

Intrinsically Accurate

Legendary Durability

No Air Required

Small Footprint

Affordable Value

Stainless Steel Scales

Cobot Capable

50 Nanometer Resolution

Universal Controller

Powerful Software Options

3 or 5-Axis for Shop Floor or Lab

Designed and Built in USA

HELMEL

Builders of Coordinate Measuring Machines since 1973



Put 3 Dimensional Metrology where you Need it

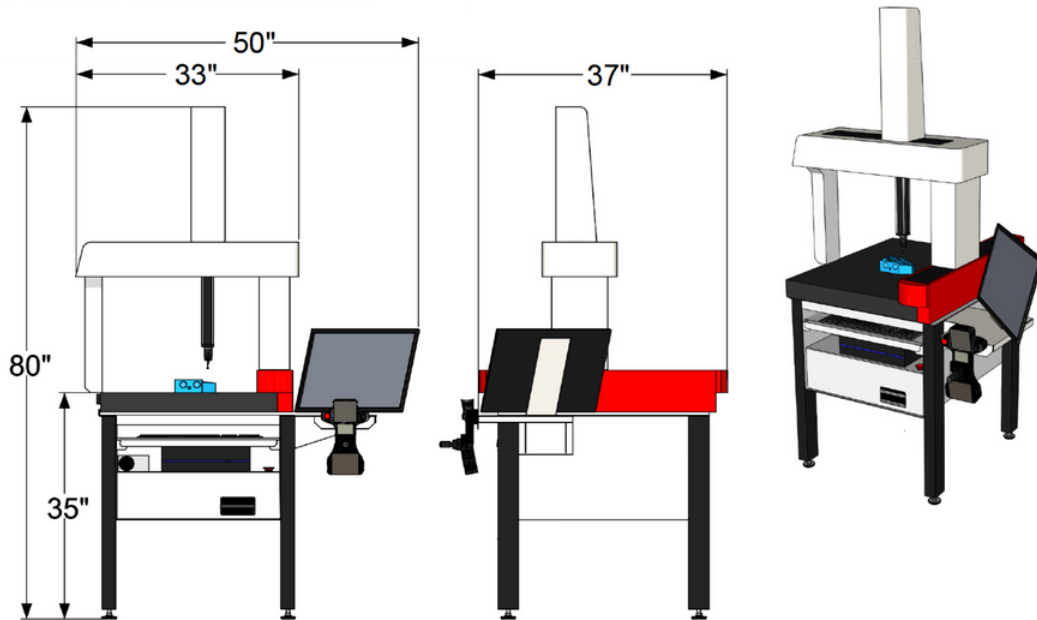
Phoenix gives you the flexibility to have all the power a CMM can provide wherever you want it the most - Lab, Gage Room, Shop Floor or Lineside. The rigid steel structure and brilliant mechanical bearing layout make life easy, for users, for maintenance, for a long-lasting and reliable experience, and for your pocketbook.

Design Integrity for a Lifetime

The heart of Phoenix is the one-piece stress relieved steel bridge and uprights. Hardened ways are ground in place, not bolted on. The dual beam design puts the Z-axis in the middle of the bridge, where it should be, not off-balance to one side. This provides a neutral center of gravity, and it gives the unconstrained linear bearings room to spread out for improved bearing ratios and accuracy.

Big Enough for most parts. Small enough for tight spots. Rugged enough for Production. Fast enough for Automation.

Phoenix is the choice for tasks that don't need a large CMM, and it needs only a 40" square of valuable production floorspace. We offer the range of Renishaw probe systems, including 5-axis capability. Phoenix can integrate with your automation or cobot to run around the clock.



Specifications

Measuring Range:

X 16" (400mm)

Y 20" (500mm)

Z 14" (350mm)

Weight: 650 lbs. (295kg)

Resolution: 0.000002" (0.05µm)

Accuracy*:

Repeatability: 0.00010" (2.5µm)

Volumetric: 0.00034" (8.6µm)

Utility: 100-240 VAC, 50-60 Hz, 10A

*With Renishaw TP-ES Probe and 10mm Stylus at 68°F, ±2°.

Includes

Phoenix Model 216-145 on Stand with UCC Controller and Computer in Cabinet

Granite Plate with Clamping Inserts

Non-contact XYZ Stainless Steel Scales

PC, Monitor, Keyboard, Mouse

Current Windows OS

Geomet software is Standard

Calibration Sphere and Widget Training Part

Online User Guide

(1) Year Warranty

Optional: Software versions, Probe choices, Accessories

SHIPPING: (1) Crate 40" x 48" x 74", 900 lbs. / 1000 x 1220 x 1880mm, 410 kg.

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