

Baces3D

Portable Measuring Arm Systems

Baces3D offers a variety of portable, fast and accurate 3 dimensional radial arm measuring systems for reverse engineering and quality control inspection applications.

Baces3D was originally developed in Italy in 1992 and has over 15 years production devices in a multitude of industries throughout the world.

Baces3D devices are manually operated 6 and 7 axis devices for both tactile probe and laser scanning sensors, allowing measurement of both prismatic and organic (contoured) shapes and geometry. BacesScan lasers integrate with an ergonomic pistol grip 7th axis mount.



Baces3D 100 Series



Baces3D 200 Series



Accuracy of the **Baces3D** products are achieved by unparalleled high precision optical transducer sensors, combined with component materials that include carbon fiber or aviation grade aluminum arm bodies. Precision joints are manufactured with high accuracy bearings and titanium mechanics.

Baces3D is truly a one-handed operated device, achieved by an internal, adjustable spring counterbalance system.

Multiple mounting supports are available including: magnetic base, base flange for clamping, tripod, hanging mount and customized supports making **Baces3D** portable and flexible to address the toughest measuring environments and applications.

Baces3D integrates with a wide variety of 3rd party CAD/CAM/CAI applications including VeriSurf, RevWorks, Geomagic, RapidForm, PowerInspect, MobiGage, Rhino and others, via USB connection.



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Authorized Distributor For Baces3D Products

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Baces3D Technical Specifications

Baces3D 100 Series



	Measuring Diameter	Repeatability (mm)	Repeatability (Inch)	Volumetric Uncertainty (mm)	Volumetric Uncertainty (Inch)
<i>Baces3D M100</i>	8.5 Feet	0.035mm	0.0014"	0.060mm	0.0024"
<i>Baces3D G100</i>	10.5 Feet	0.050mm	0.0020"	0.090mm	0.0035"
<i>Baces3D M200-LE</i>	7.8 Feet	0.07mm	0.0028"	0.13mm	0.0051"
<i>Baces3D M200</i>	8.5 Feet	0.060mm	0.0024"	0.100mm	0.0039"
<i>Baces3D G200</i>	10.5 Feet	0.080mm	0.0031"	0.150mm	0.0059"
<i>Baces3D XG200</i>	13.7 Feet	0.400mm	0.0157"	0.350mm	0.0138"
<i>Baces3D G200 AR</i>	10.5 Feet	0.250mm	0.0098"	0.250mm	0.0098"
<i>Baces3D XG200 AR</i>	13.7 Feet	0.400mm	0.0157"	0.400mm	0.0157"

Baces3D 200 Series



Baces3D 100 Series offers an inspection grade radial arm device incorporating carbon fiber arm material.

Baces3D 200 Series offers a reverse engineering grade radial arm device incorporating aluminum arm material.

Baces3D 200-AR Series are hanging type devices for measurement flexibility and special applications.

Baces3D Measuring Devices Include:

Two year warranty

Baces.dll library for integration to 3rd party software applications.

Baces3D Wizard software for diagnostics probe calibration and arm calibration.

Interchangeable stylus node with 3-button command buttons.

4mm diameter ruby stylus

Power Supply, USB driver kit, 1.8m USB cable and user manual.



Baces3D Configurations

- **Tactile Probe**
- **BacesScan Laser Sensor**
- **Laser/Tactile Dual Sensor**

BacesScan Tactile & Laser Dual Sensor System



SKIRON

