

**Subject: Baces3D arms, ScanFlex scanning packages**

 Baces3D offers two Laser Scanners available for the **SCANFLEX** system:

- ✓ **BacesScan V1: 50mm laser line scanner, 30000 pts/sec, 25microns accuracy**
- ✓ **BacesScan V2: 100mm laser line scanner, 40000pts/sec, 40microns accuracy**


 The **BacesScan V1 and V2**, can be used on the Baces3D arm serie 100 and 200.

ScanFlex 7	Laser width / axis	Speed / Dia. range	Laser point Accuracy (2sigma)	System accuracy (2sigma)
BacesScan V2 Laser Scanner	100mm	40000 points/sec	0.040 mm	+-0.090mm
Baces3D Arm M100/7	7 axis	2600* mm		

\*also available 3200mm and with BacesScanV1 Scanner

**SCANFLEX 7:** 100's Serie arm with 7 axis configuration and BacesScan V2. The best confort in use, the best efficiency and flexibility, the best accuracy compromise for a wide range of applications. Also available with BacesScan V1, more precise solution.


ScanFlex 6	Laser width / axis	Speed / Dia. range	Laser point Accuracy (2sigma)	System accuracy (2sigma)
BacesScan V1 Laser Scanner	50mm	30000 points/sec	0.025 mm	+-0.080mm
Baces3D Arm M100/6	6 axis	2600* mm		

\*also available 3200mm and with BacesScanV2 Scanner

**SCANFLEX 6:** 100's Serie arm with 6 axis configuration and BacesScan V1. It can fit for accuracy demanding customers. Scanner is applied directly on the probe termination of the 6 axis 100 arm. No rotating probe, so not as confortable in use as the 7 axis version, but best accurate and repeatable results.


ScanFlex 5+1	Laser width	Speed	Laser point Accuracy (2sigma)	System accuracy (2sigma)
BacesScan V2 Laser Scanner	100mm	40000 points/sec	0.040 mm	+-0.130mm
Baces3D Arm M200/5	6 (5+1) axis	2400 mm		

**SCANFLEX 5+1:** 200's Serie arms with 6 (5+1) axis configuration. 5 axis arm + Additional Scanner Axi. Excellent solution for small objects with lower accuracy. Keep the same confort in use as the Scanflex 7 version, with the rotating pistol grip, but one less rotating axis on the first arm segment.


## Baces3D SCANFLEX 7, 6, 5+1 laser scanning package

The package **ScanFlex** System include:

- **Serie M Arm + Laser Scanner + basic software in bundle**
- Point cloud collecting and filtering, export Ascii xyz format.
- Triangulate and export STL files, create geometries and alignments
- Many plug-ins available to interface the ScanFlex with many sw (Geomagic, Polyworks, Rapidform, Scantools etc..)

Serie 100	Axis	Range (Dia.)	Volume accuracy (2sigma)	Repeatability (test with cone or sphere)
Baces3D M100/6	6	2600 mm	+/-0.060 mm	0.035 mm
Baces3D G100/6	6	3200 mm	+/-0.090 mm	0.050 mm

**Serie 100 is the hi-end arm of our products portfolio**, and is most dedicated for applications where the accuracy is a must.

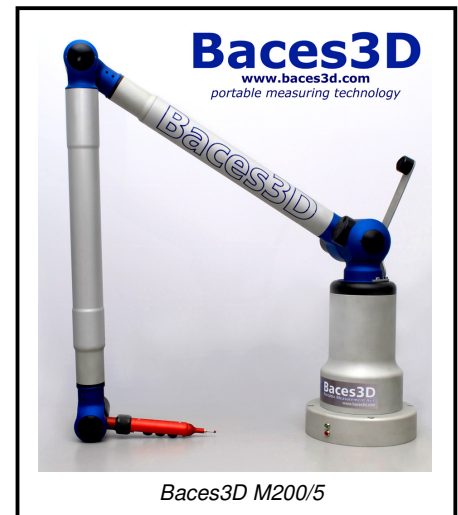
Key features:

- High accuracy
- Carbon fiber tubes
- Infinite rotation on the main axis
- Temperature compensation (3 temp. probes)



Serie 200	Axis	Range (Dia.)	Volume accuracy (2sigma)	Repeatability (test with cone or sphere)
Baces3D M200/6	6	2600 mm	+/-0.100 mm	0.060 mm
Baces3D G200/6	6	3200 mm	+/-0.150 mm	0.080 mm
Baces3D XG200/6	6	4200 mm	+/-0.270 mm	0.115 mm
Baces3D M200/5	5	2600 mm	+/-0.085 mm	0.060 mm
Baces3D G200/5	5	3200 mm	+/-0.130 mm	0.080 mm
Baces3D XG200/5	5	4200 mm	+/-0.290 mm	0.145 mm

Serie 200 « LE »	Axis	Range (Dia.)	Volume accuracy (2sigma)	Repeatability (test with cone or sphere)
Baces3D M200/5 "LE"	5	2400 mm	+/-0.130 mm	0.070 mm



**Serie 200 arms**, are more specific for different application like low-med-accuracy digitizing & reverse-engineering.

5 and 6 axis version available. Moreover, Serie 200 "LE" offers less accuracy performance for a less working range and an amazing low price.

Key features:

- Digitizing oriented design
- Aluminium tubes
- Perfect compromise between price and performance
- Many accessories available as foot pedals, tripods, magnets, probes