



▲ **High Precision:** Laser scanning creates high accuracy, true-3D models.

## KEY FEATURES

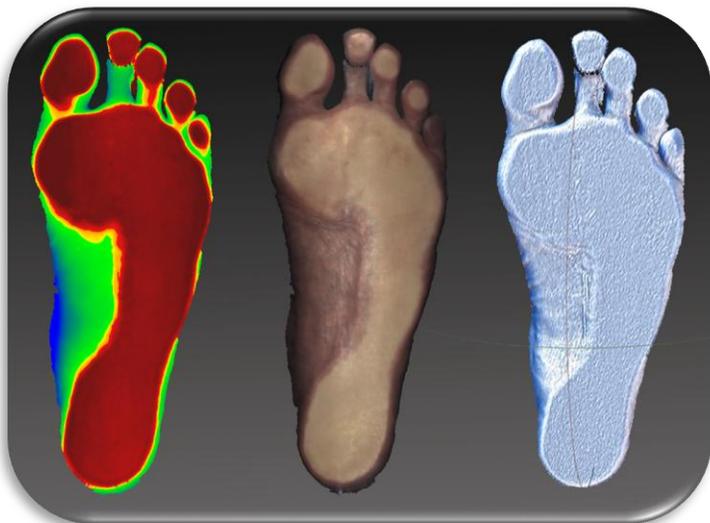
- **Flexible** - Select from 'High Speed' for high throughput or 'High Detail' for the maximum feature detail
- **Accurate**- The 3R3D scanner engines utilize industrial-quality, eye-safe, laser technology for accurate 3D measurements;
- **Robust** - Scanner can operate in typical office lighting environment. No need for darkened room or covers.
- **Easy to Use** - Scan process is fully automated. Simply select Scan Mode to start and 'Submit' when finished.
- **Reliable** - All 3R3D scanners are rated for hundreds of thousands of maintenance-free scans.
- **Custom Options**- 3R3D can easily develop a custom system to meet your specific needs. Typical options include: dual-foot, higher speed, full lower leg coverage, automated data processing, custom file format, etc.

## TURNKEY FOOT SCANNING

threeRivers 3D's 3DBodyView 3D and FMX-3D provides chiropractors, podiatrists, orthopedics and footwear manufacturers with a low-cost, easy-to-use, turnkey 3D scanner for capturing and transmitting foot data. The easy-to-use software is fully automated and outputs a highly detailed 3D model in seconds. Both weight-bearing and non-weight bearing configurations are available to fit the needs of any application. The 3DBV and FMX3D systems both use a high precision laser triangulation method to calculate foot geometry accurate to a fraction of a millimeter.



◀ **Multiple Configurations:** 3DBV is compact and intended for weight-bearing scanning; FMX-3D is fully adjustable, ideal for non-weight bearing and subtalar neutral scanning.



▲ **Scan Output:** Standard output includes colorized heightmap, color texture overlay and high res 3D model.

## SPECIFICATIONS

		3DBodyView	FMX-3D
Field of View		14" x 6" (355mm x 150mm)	
Scan Time <sup>1</sup>	High Speed	4 sec (3D) + 4 sec (color)	4 sec (3D only)
	High Detail	8 sec (3D) + 10 sec (color)	8 sec (3D only)
3D Accuracy		0.01" (250um)	
3D Point Spacing	High Speed	0.04" (1mm)	
	High Detail	0.012" (300um)	
3D Point Count <sup>2</sup>		Typical: 400K to 800K	
Color Texture		Standard	Optional
Output data format		PLY or STL (other formats available)	
Interface		USB 2.0	
Operating Systems		Windows® 7 or 8, 64-bit	
Size		24" x 24" x 8"	Adjustable; nominally 24" x 24" x 24"
Power		100-240VAC / 1.0A	

1. Users can select either 'high speed', or 'high detail' modes.
2. Total point / polygon count a function of foot size. Point spacing does not vary.



### PROUDLY MADE IN USA

Founded in 2008, threeRivers3D has established itself as a leader in application-specific 3D scanners. We produce thousands of scanners annually from our Pittsburgh-PA based headquarters. Our commitment and investment in in-house manufacturing enables us to offer a range of products at industry-leading price points. Our product line includes:



**Flexible Solutions:** threeRivers 3D has a wide variety of scanning platforms to choose from including general purpose and application-specific systems.

- **3DBodyView:** low-cost, weight bearing scanner for foot scanning;
- **FMX-3D:** low-cost, free-space articulating scanner for body scanning for prosthetics, braces and orthotics;
- **LC-2:** laser-based, high speed structured light scanner for reverse engineering and inspection applications;
- **Virtuoso:** general purpose desktop scanner offered exclusively through Konica Minolta;
- **A-Series:** in-office scanning of ear impression molds for audiologists;
- **3D-STEM:** flexible, easily modified and re-configured 3D scanner for educational use only;
- **3D-CUSTOM:** 3R3D's flexible scanning platforms enable custom solutions ranging from multi-scanner systems to full turnkey automation.