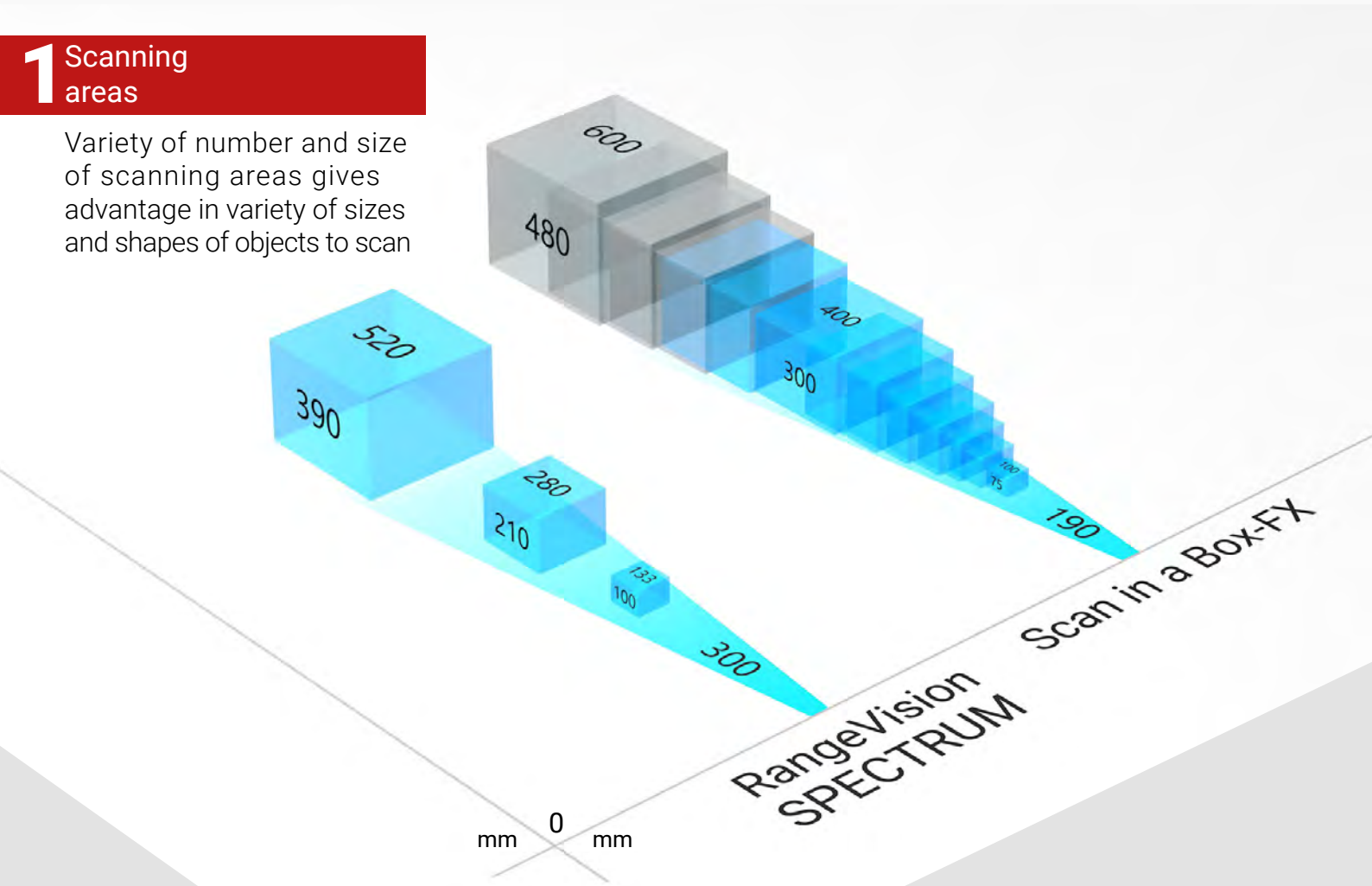
1 Scanning areas

Variety of number and size of scanning areas gives advantage in variety of sizes and shapes of objects to scan



Comparison of optical 3D scanners

2 Technical specifications

Scan in a Box Scan in a Box-FX		RangeVision Spectrum
	Technical specs	
structured light	**Type**	structured light
LED projector	**Light source**	LED projector
0.04 mm	**3D Accuracy** Both scanners have close values of 3D accuracy.	0.04 mm - 0.12 mm
0.062 mm - 0.375 mm	**3D resolution, mm.** Maximum / minimum values of 3D resolution refer to maximum / minimum size of scanning areas. The scanners have very similar values. But Spectrum still offers a higher 3D resolution for a maximum scanning area.	0.072 mm - 0.260 mm
2	**Number of cameras**	2
2 Mpix ✗	**Cameras** Higher resolution of the cameras allows to capture more details of the object and get high-resolution 3D data.	✓ 3,1 Mpix
	Scanning of different-sized objects	
11	**Number of scanning areas** Large number of scanning areas is more an advertisement than an advantage. A real functionality can be estimated by the size of minimum and maximum areas. Both scanners have close-sized min and max scanning areas.	3
yes	**Texture**	yes
Scan in a Box Scan in a Box-FX		**RangeVision** Spectrum
	Software	
free, unlimited	**License** Both scanners have unlimited USB license dongle included in the price of the scanner.	free, unlimited
free	**Updates**	free
All functions like automatic alignment, editing tools are build-in	**Usability** RangeVision ScanCenter and IDEA-FX are similar.	All functions like automatic alignment, editing tools are build-in
Mesh: OBJ, STL, PLY, OFF / Point Cloud: ASC	**Export file format** Both scanners support the most popular export formats.	stl, obj, ply, wrl, ascii, ptx
free scanning, scanning on a turntable ✗	**Scanning modes**	✓ free scanning, scanning on a turntable, with markers
no ✗	**Scanning with markers** Spectrum can scan and align scans by targets. It simplifies and ensures high accuracy when scanning large and smooth objects (eg cylindrical shape or with plenty of flat surfaces).	✓ yes
	Hardware	
requied	**Calibration** Spectrum has all the calibration plates in a basic kit. Scan in a Box-FX requires purchasing a Calibration Master for larger scanning areas.	requied
optional ✗	**Travel case** Spectrum's travel case is included into a basic kit. One more thing the client should not worry about.	✓ included into basic config
8 kg in a box	**Weight**	10,5 kg in a travel case
4490	**Price, €**	5490
Transporter case 449,00 € Calibration Master Fx 400X400 mm 200,00 € automatic turntable 890,00 € ✗	**Accessories** Spectrum comes with all accessories to scan right out of the box while Scaninabox requires buying more options.	✓ table mount 345 €
6029 ✗	**Total price with accessories, €**	✓ 5835

Basic 3D scanning kit 3