

# SimSpray 3.x Tech Specs

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Category		Description			
Weight	Unit Only:	145 lbs (w/o blaster) 158 lbs (w/ blaster)	66 kg (w/o blaster) 72 kg (w/ blaster)		
	Pallet Pack Container:	214 lbs (w/o blaster) 229 lbs (w/ blaster)	97 kg (w/o blaster) 104 kg (w/ blaster)		
Dimensions (W x D x H)	In Use:	51" x 25" x 81"	1.2954 x 0.635 x 2.0574 m		
	Closed:	24.5" x 25.25" x 48"	0.6223 x 0.6414 x 1.2192 m		
	Pallet Pack Container:	31" x 53" x 30"	0.7874 x 1.3462 x 0.762 m		
Working Space (Zone) Dimensions (W x D x H)	Ideal Open Space:	<b>Minimum: 10' x 11' x 10'</b>		<b>Minimum: 3.05 x 3.35 x 3.05 m</b>	
		Minimum requirements include space for the SimSpray unit and for user movement.			
	<i>Note: Minimize reflections or infrared interference. SimSpray motion tracking uses infrared and photosensors. Aim SimSpray away from windows, TVs, infrared sources, and reflective materials. Cover sources of IR (Infrared) interference, turn off infrared emitting devices, and turn off nearby Bluetooth devices for best results. See the Positioning section of the <a href="#">Quick Start Guide</a></i>				
Power Requirements		<b>Input Voltage</b>	<b>Input Frequency</b>	<b>Current</b>	<b>Misc.</b>
	US	120 VAC	50-60Hz	2-5 Amps (In-Use: 2 Amps, Max: 5 Amps)	Standard, 3-pronged, bladed, household outlet
	INTL	100-250 VAC			Regional power plug adapter included
SimSpray Peripherals	VRSim <b>Spray Gun, Powder Gun, and/or Abrasive Blasting Gun</b> (infrared motion tracked) (supports 1 active user at a time)				
	Valve Index (1440 x 1600 max res. per eye, 90 Hz), VIVE Pro 2 (2448 x 2448 max resolution per eye, 90 Hz, 120° field of view), or similar HMD (infrared motion tracked first-person perspective video). (Mid-2023 and earlier units shipped with VIVE Pro (Eye).)				
	Touchscreen (touch interface and video) (1080p, 1920x1080 resolution, 60 Hz)				
	Speakers (sound)				
Required Connections	For Performance Portal score reporting, SimSpray requires an internet connection (wired preferred, WiFi available). If no internet connection is available, SimSpray may be switched to offline mode, but users will not be able to use the Performance Portal.				
Optional External Device Connections	HDMI AV to an additional external display (TV or Projector). SimSpray outputs 1080p (widescreen 1920x1080 resolution, progressive mode) at 60 Hz. <i>Additional external display and cabling not included but recommended if showing to 4+ people at the same time.</i>				
	USB flash drive. <i>Instructor USB included to collect SimSpray reports. Optionally, students and trainees may want their own USBs, not included. System supports 1 USB at a time. Use a non-SimSpray computer to email, print, make copies of, and/or delete reports.</i>				
Shipping Info	Indicate Section II of PI967 (Section II UN3481), hazard class 9 dangerous goods, lithium batteries (applies to SimSpray Enterprise units, which have 3 Guns). Each Gun (Paint, Powder, and/or Blast) contains a li-ion battery (3.85V, 740mAh, 13 grams, 1 cell * 2.84Wh).				
Tech Support Needs	Wired internet connection preferred, wireless available. <i>Ethernet cabling not included. Online connection recommended (starting in v3.3 and to support Curriculum Mode). Software updates and tech support may require an additional USB thumb drive and a non-SimSpray computer with access to the internet and access to download files (e.g. Dropbox).</i>				

Note: See Computer Tech Specs in a separate file. All specs are subject to change and may be replaced with comparable hardware or system.

# SimSpray 3.x Computer Tech Specs

Category	Description
<b>CPU</b>	Intel Core i7-11700 (8-core 2.5GHZ 16M LGA1200 65W (Rocket Lake))
<b>RAM</b>	8 GB (8GB 3200MHZ DDR4 UDIMM non-ECC)
<b>SSD</b>	500 GB (M.2 2280 500GB PCI-E NVMe)
<b>GPU</b>	RTX 3060, 4070, or similar (MSI RTX 3060 Ventus 2X 12G OC, MSI RTX 3060 Gaming X 12G, PNY GeForce RTX 4070 12GB VERTO, ZOTAC GAMING GeForce RTX 4070 Twin Edge, or similar)
<b>OS</b>	Windows 11 Pro (64-bit)
<b>Motherboard</b>	Shuttle SW580R8 (W580 Chipset)
<b>Ethernet</b>	LAN and wireless (LAN 10Mb/s,100Mb/s,1Gb/s operation) (PW14B AX210.NG.WG.NV: Wi-Fi Intel AX210 IEEE 802.11 AC/a/b/g/n/AX; 2x2 streams; 2.4Ghz, 5Ghz (160Mhz) bands; 2.4Gbps max speed; Bluetooth 5.1)
<b>Power Supply</b>	500W (80 Plus, 100-240V AC input)

*Note: Specs are subject to change and may be replaced with a comparable system. Computers prior to this date may have had different specs.*