

Appendix C

TRIOS 3 Wireless / TRIOS 3 / TRIOS 3 Mono Tech Specs



Models	TRIOS 3 (including Mono)		TRIOS 3 Wireless	
	Pen	Handle	Pen	Handle
Scanner weight	340g	340g	373g incl. battery	384g incl. battery
Wireless Technology	-		5GHz wireless connection link using dedicated access point (802.11 AC)	
Wireless Range	-		Same room, up to 5 m	
Battery time	-		5 min heating and 20 min continuous scanning (for a new battery)	5 min heating and 35 min continuous scanning (for a new battery)
Battery charging time	-		2-4 hours depending on battery charge level when charging is initiated	3-6 hours depending on battery charge level when charging is initiated
Battery life time	-		Approximately 80% after 300 cycles and 70% after 500 cycles.	
Mono version available	Yes		No	
External buttons and connection	Scan activation button (on scanner hand piece)			
Environmental requirements	Operating, storage and transport conditions: See safety & setup guide*			
Power supply	See safety & setup guide*			
Approvals	See safety & setup guide*			
Currently supported indications	Crowns, Inlays, Onlays, Veneers, Bridges up to 5 units, Single implants, Post & Core Full study model including vestibular and palatal areas (ortho) (List to be expanded)			
Supported scannable materials	In general, all materials are supported, except gemstones on the teeth, some semi-transparent ortho brackets and extremely high gloss metals			
Contrast agent applied to teeth	None (powder/spray free)			
Accuracy	TRIOS* delivers high accuracy on single units, quads as well as full arch – documented in several comparative university studies ¹⁻⁴ ¹ Hack and Patzelt, 2015 Issues of the ADA Professional Product Review, Volume 10 Issue 4, September 25, 2015, American Dental Association, University of Freiburg, Baltimore College of Dental Surgery, ² Ender et al, Clin Oral Investig. Nov 7 2015 E-pub, University of Zurich, 3 Ender et al, J Prosthet Dent. Nov 6 2015 E-pub, University of Zurich, ⁴ Boeddinghaus et al, Clin Oral Investig, 2015, University of Giessen * A TRIOS Standard (b/w), TRIOS Color or TRIOS Cara scanner was used in the studies. Internal tests show equal or increased accuracy in the later generations of 3Shape TRIOS scanners. Data on file.			
Scanner tip	Removable. Sterilizable by autoclave 150 times. May be placed on 2 positions; Scanning up or downwards.			
Output format	DCM and STL			
Working principles	Ultrafast Optical Sectioning™			
Light source	LED			

* Safety & Setup Guide: Most recent version may be found on 3Shape support website

Appendix D

TRIOS 3 Cart / MOVE / Pod Tech Specs



Models	Cart	MOVE	Pod
Dimension	113 cm x 45 cm x 59 cm	(Parking position): 120 cm x 50 cm x 60 cm (Standing position): 150 cm x 50 cm x 60 cm	Wireless Pod diameter: 12 cm Wired Pod diameter: 13 cm
Weight	<45kg	14kg	Wireless Pod Handle: 465 g, Wireless Pod Pen: 345 g Wired Pod: <950g (without PC)
Disk storage	240GBSSD (approximately 20 GB used for operating system)	1 TB SSD	Depends on computer selected**
Connection	WiFi module supplied: IEEE802.11b/g/n – 2.4 GHz Wired Gigabit Ethernet Ethernet IP allocation: DHCP Bluetooth v2.0, Class 1 module supplied	WiFi module supplied: IEEE802.11b/g/n – 2.4 GHz Wired Gigabit Ethernet Ethernet IP allocation: DHCP Bluetooth v4.0, Class 1 module supplied	Depends on computer selected**
Display	19" (4:3) touch display 1280x1024 resolution	13.3" (16:9) touch display 1920 x 1080 resolution	Depends on computer selected**
Processor	Intel i7 Quad core processor	Intel i7 Quad core processor	Depends on computer selected**
Operating system	Windows 7 Embedded, 64 bit	Windows 10 Enterprise 2016 LTSC, 64 bit	Depends on computer selected**
External buttons and connection	On/stand-by switch Power socket (back of cart) USB (full speed 12 Mbit/s) Brake for wheels (back of cart)	On/stand-by switch Power socket (below backpack) Brake for all wheels	Depends on computer selected**
Input/output	Built-in speaker USB 2.0 connector in service bay (For service purpose only. Requires hex-key. See Safety & Setup guide*)	Built-in speaker USB 3.0 connector in service bay (For service purpose only. Requires torx key. See Safety & Setup guide*)	Depends on computer selected**
Language support	Czech, Danish, Dutch, English, French, German, Italian, Korean, Norwegian, Polish, Portuguese (Brazilian), Romanian, Spanish, Swedish, Turkish (subject to change)		
Environmental requirements	Operating, storage and transport conditions: See safety & setup guide*		
Power supply	See safety & setup guide*		
Approvals	See safety & setup guide*		

* Safety & Setup Guide: Most recent version may be found on 3Shape support website

** Computer should be selected from the list of approved TRIOS PC's in the "3Shape PC Catalogue"