

Category		EIGHTEETH Helios 600	Medit i500	Medit i700	3Shape Trios 3 Basic	3Shape Trios 4 Wireless	iTero Element	Planmeca Emerald S	Carestream Dental CS 3600 / CS 3700	Carestream Dental CS 3800
Accuracy	Full-arch	20 µm	22.6µm	10.9µm* (no test result support now)	27.7µm	20.8µm	40+µm	40+µm	30+µm	30+µm
	Scan area	16 x 14mm (L) 12 x 12mm (S)	14 x 13mm	15 x 13mm	No spec	No spec	18 x 14mm	17.6 x 13.2mm	13 x 13mm 13 x 7mm	16 x 14mm 13 x 7mm
Speed	Dual-arch and bite	5 mins	5 mins	5 mins	5 mins	5 mins	8 mins	5 mins	8 mins	8 mins
Handpiece	Dimensions	219 x 46 x 36mm	264 x 44 x 54.5mm	248 x 44 x 47.4mm	No spec, known big size	299 x 40 x 50mm	346 x 50 x 68mm	249 x 41 x 45mm	220 x 38 x 58mm	226 x 38 x 50mm
	Weight	198g	280g	245g	340g	375g	500g	229g	325g	240g
	Capture button	Two sided	One sided	One sided	One sided	One sided	Two sided	Two sided	No	No
Tip	Tip size (front part)	22 x 18mm (L) 18.6 x 16.7mm (S))	20 x 15.7mm	22.2 x 15.9mm	21.5 x 18mm	21.5 x 18mm	23 x 22mm	?? x 21.3mm ?? x 15.6mm	20 x 17mm 16 x 20mm 14 x 18mm	21.4 x 19mm
	Autoclavable	Up to 60 times 121°C 30mins 134°C 4mins	Up to 50 times 121°C 30mins	Up to 100 times 121°C 30mins 134°C 4mins	Up to 150 times 121°C 15mins 134°C 3mins	Up to 150 times 121°C 15mins 134°C 3mins	Disposable sleeve	132°C 3mins	Up to 60 times 134°C 4mins	Up to 110 times 134°C 4mins
Connectivity	Length	1.8m	1.8m	2.0m/Detachable	No spec	10.0m (wireless)	1.75m	No spec	1.9m	
	Type	USB 3.0	USB 3.0	USB 3.1 Gen1	USB 3.0	wireless	USB 2.0	USB 3.0	USB 2.0	Wireless
Mobility	Powerbox	No	Yes	Yes & No	Yes	Yes	Yes	No	Yes	Yes
	Power adapter	No	Yes	Yes & No	Yes	Yes	Yes	No	Yes	Yes
	Trolley	Optional	No	No	Optional	Optional	Optional	No	No	No
Calibration	Accuracy calibration	Calibration-free	Every 14 days	Every 14 days	Every 8 days	Every 8 days	Not mentioned	Not mentioned	Not mentioned	Not mentioned
	Color calibration	Calibration-free	Not mentioned	Not mentioned	Before each scan	Before each scan	Not mentioned	Every 7 days	Every 13 days	Every 13 days
Special mode	Remote control mode	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes

Superior	Average	Inferior
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