

Table S1. Trueness according to implant placement depth, scanner and tooth position. Data are mean and standard-deviation values (μm).

Scanner	Implant level	Position		
		Lateral incisor	first premolar	first molar
T500	Normal bone level	18.9±1.3 ^{Ab}	14.4±3.3 ^{Aa}	14.7±1.4 ^{Aa}
	Submerged 1.5mm	22.9±1.0 ^{Ac}	14.3±1.0 ^{Ab}	9.2±1.0 ^{Aa}
	Submerged 3mm	36.4±1.8 ^{Ac}	5.7±3.8 ^{Aa}	10.5±0.5 ^{Ab}
	Submerged 4.5mm	39.2±6.0 ^{Ac}	22.6±1.9 ^{Aa}	17.1±1.9 ^{Aab}
	Submerged 6mm	108.0±26.1 ^{Bb}	74.4±17.0 ^{Ba}	75.5±30.9 ^{Bab}
Trios	Normal bone level	25.0±15.2 ^{Aa}	20.5±7.3 ^{Aa}	17.3±9.8 ^{Aa}
	Submerged 1.5mm	23.5±13.9 ^{Aa}	19.6±12.8 ^{Aa}	16.1±6.5 ^{Aa}
	Submerged 3mm	27.8±8.3 ^{Aa}	21.8±15.8 ^{Aa}	16.5±9.7 ^{Aa}
	Submerged 4.5mm	53.4±6.9 ^{Bc}	19.5±7.0 ^{Aa}	35.9±17.5 ^{Bb}
	Submerged 6mm	125.8±5.4 ^{Cb}	117.2±6.8 ^{Ba}	125.6±2.9 ^{Cb}
i500	Normal bone level	38.4±21.9 ^{Aa}	20.2±6.2 ^{Aa}	23.1±11.2 ^{Aa}
	Submerged 1.5mm	37.4±11.7 ^{Ab}	19.2±12.4 ^{Aa}	24.6±9.2 ^{Aab}
	Submerged 3mm	43.1±12.1 ^{Ab}	30.6±20.0 ^{Aab}	23.2±4.7 ^{Aa}
	Submerged 4.5mm	71.3±8.3 ^{Bc}	19.6±8.2 ^{Aa}	57.8±10.1 ^{Bb}
	Submerged 6mm	122.5±4.1 ^{Ca}	112.5±14.0 ^{Ba}	118.4±8.7 ^{Ca}
CS3600	Normal bone level	27.0±10.4 ^{Aa}	24.7±6.8 ^{Aa}	23.7±15.8 ^{Aa}
	Submerged 1.5mm	30.6±16.7 ^{Aa}	28.4±16.0 ^{Aa}	36.4±19.5 ^{Aa}
	Submerged 3mm	31.9±14.1 ^{Aa}	30.7±12.2 ^{Aa}	37.3±21.0 ^{Aa}
	Submerged 4.5mm	93.6±15.0 ^{Bc}	27.8±9.6 ^{Aa}	55.6±18.5 ^{ABb}
	Submerged 6mm	107.0±20.4 ^{Ba}	65.5±37.9 ^{Ba}	77.3±35.6 ^{Ba}

Different uppercase letters denote significant differences for different implant levels position ($P < .05$).

Different lowercase letters denote significant differences for different implant position ($P < .05$).

Table S2. Precision according to implant placement depth, scanner and tooth position. Data are mean and standard-deviation values (μm).

Scanner	Implant level	Position		
		Lateral incisor	first premolar	first molar
T500-REF	Normal bone level	6.8±3.4 ^{Ab}	4.0±2.0 ^{ABa}	3.6±1.9 ^{Aa}
	Submerged 1.5mm	6.8±3.0 ^{Ac}	3.8±1.5 ^{ABb}	5.1±1.9 ^{Ba}
	Submerged 3mm	4.7±2.3 ^{Aa}	6.2±3.5 ^{Bb}	3.5±1 ^{Aa}
	Submerged 4.5mm	10.9±6.4 ^{Bb}	3.4±1.5 ^{Aa}	3.2±2.2 ^{Aa}
	Submerged 6mm	4.8±2.2 ^{Aa}	5.0±2.9 ^{BCa}	5.4±3.0 ^{Ba}
T500	Normal bone level	4.8±2.2 ^{Aa}	7.4±4.7 ^{Aa}	7.6±5.0 ^{ABa}
	Submerged 1.5mm	4.8±3.9 ^{Aa}	4.4±3.3 ^{Aa}	3.5±4.2 ^{Aa}
	Submerged 3mm	4.0±2.1 ^{Ab}	4.9±2.1 ^{Aab}	4.0±3.7 ^{Aa}
	Submerged 4.5mm	19.8±12.8 ^{Bb}	15.4±7.1 ^{Bb}	9.9±6.9 ^{Ab}
	Submerged 6mm	15.3±9.3 ^{Bb}	15.6±9.7 ^{Bb}	4.6±2.3 ^{Ba}
Trios	Normal bone level	38.2±20.0 ^{Bb}	23.1±10.2 ^{Aa}	25.1±12.4 ^{Aa}
	Submerged 1.5mm	24.1±11.6 ^{Ab}	30.7±16.4 ^{Ab}	22.2±9.3 ^{Aa}
	Submerged 3mm	35.3±18.2 ^{ABb}	27.4±13.0 ^{Aa}	23.9±11.4 ^{Aa}
	Submerged 4.5mm	32.1±21.8 ^{ABb}	28.1±19.9 ^{Aab}	22.5±9.2 ^{Aa}
	Submerged 6mm	62.0±36.8 ^{Cb}	46.6±25.6 ^{Ba}	38.8±35.2 ^{Ba}
i500	Normal bone level	36.5±17.1 ^{Ac}	15.9±6.2 ^{Aa}	24.2±8.6 ^{Ab}
	Submerged 1.5mm	30.7±16.5 ^{Ab}	23.7±15.8 ^{Aa}	22.1±11.8 ^{Aa}
	Submerged 3mm	39.4±21.0 ^{Ab}	36.4±20.7 ^{Bab}	27.6±14.7 ^{ABb}
	Submerged 4.5mm	58.5±34.2 ^{Bb}	44.6±26.1 ^{Ba}	35.8±18.7 ^{Ba}
	Submerged 6mm	80.2±36.0 ^{Cb}	57.1±29.5 ^{Ca}	53.0±25.7 ^{Ca}
CS3600	Normal bone level	39.2±20.2 ^{Ab}	29.9±16.1 ^{Aa}	31.1±12.8 ^{Aa}
	Submerged 1.5mm	43.8±20.1 ^{ABb}	40.1±16.3 ^{ABb}	30.9±16.7 ^{Aa}
	Submerged 3mm	41.6±19.1 ^{ABa}	43.2±18.5 ^{ABa}	50.6±22.5 ^{Ba}
	Submerged 4.5mm	55.5±31.5 ^{Ba}	49.0±25.1 ^{Ba}	47.4±29.9 ^{ABa}
	Submerged 6mm	66.9±29.8 ^{Ca}	71.1±38.3 ^{Ca}	71.4±46.2 ^{Ca}

Different uppercase letters denote significant differences for different implant levels position ($P < .05$).

Different lowercase letters denote significant differences for different implant position ($P < .05$).