HELIOS series 500

MAKE DIGITAL AFFORDABLE FOR EVERY DENTIST

No More Discomfort of Impressions, Benefit from Digitization Now.

Eighteeth

Accuracy

Full-arch accuracy ≈ 20μm | Single-tooth accuracy ≤ 10μm

*Accuracy results are from a third-party professional testing agency.

Speed

Scan a full arch in less than 30 seconds with HELIOS 500.

Weight

Only 185 grams, one of the most lightweight scanners on the market, well-balanced, ergonomically designed, and easy to carry.

AI technology

AI technology filters the soft and moving tissues, offering users a smooth scanning experience and generating a natural-looking treatment outcomes.

Fit for your budget

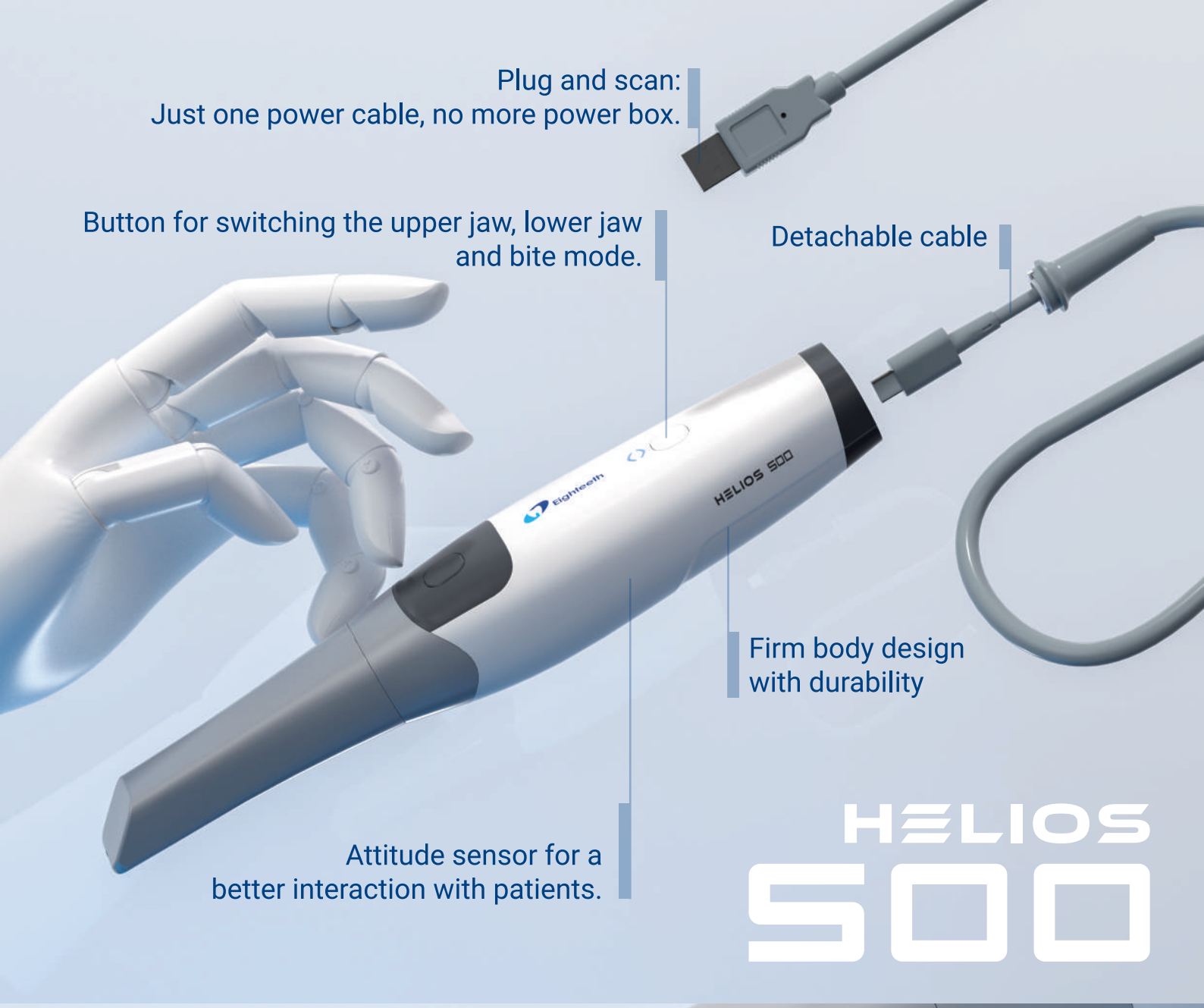
Affordable price with excellent performance.

Say goodbye to manual calibration

Automatic and adaptive calibration, free your hands.

Enhancing digital workflow, Maximizing patient comfort

Smaller, lighter, with better accuracy.


Plug and scan:
Just one power cable, no more power box.
Button for switching the upper jaw, lower jaw and bite mode.
Detachable cable
Firm body design with durability
Attitude sensor for a better interaction with patients.
HELIOS 500
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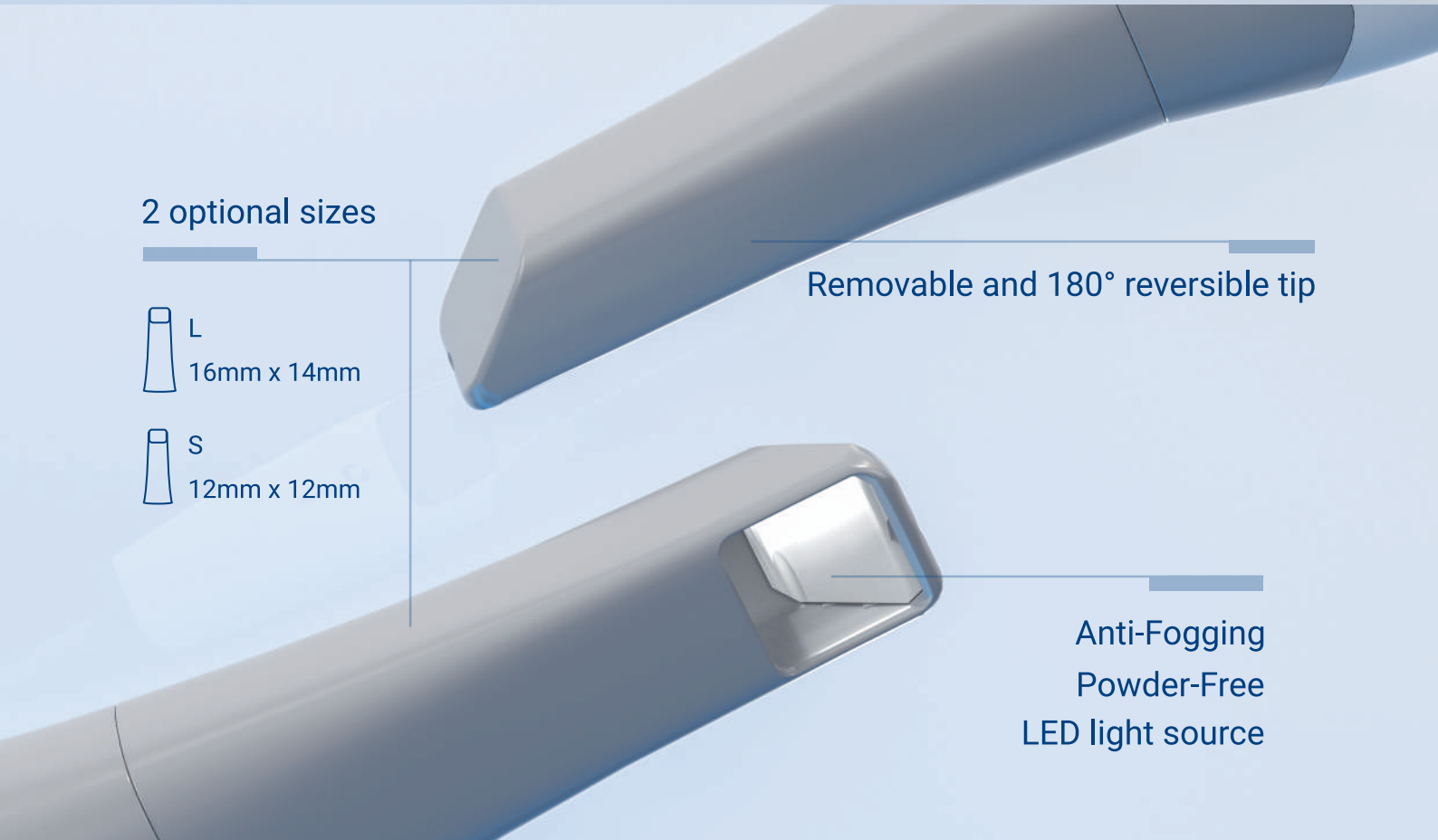
HELIOS 500


2 optional sizes
L
16mm x 14mm
S
12mm x 12mm
Removable and 180° reversible tip
Anti-Fogging
Powder-Free
LED light source

AI Report - Smarter Diagnosis, Better Communication

Helios AI Health Report visually presents oral health conditions and treatment plans, streamlining doctor-patient communication.

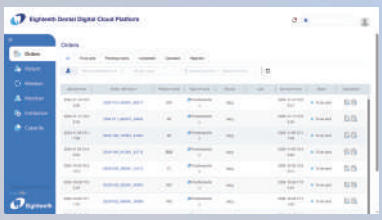
Orthodontic Simulation

AI-powered automatic tooth alignment provides clear orthodontic before-and-after comparisons, helping doctors build patient confidence in treatment plans.

*This feature is only supported by NVIDIA graphics cards.

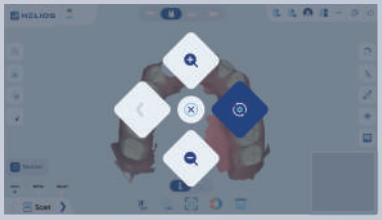
Model builder

Add bases to 3D models directly within the software, boosting efficiency for orthodontists and making it easier to save and share models.



Cloud Storage

Enjoy 100GB of cloud storage for free, enabling easy order sharing through Cloud.



Air Mouse

Your scanner can also be a mouse to easily manage the software and rotate the 3D models.

Auto/Manual bite

Enhanced Implant Workflow

Shining Mode

Occusion Analysis

Undercut Detection

Texture Mapping

Tooth Measurement

Margin Line Drawing

Intraoral camera

Software Update

Auto AI

Swap upper and lower jaw

Automatic Cuff Detection

3D Viewer

APPList

Bite Refinement Preview

Recommended System Requirements

Processor	Intel®Core™ 13th Gen i7-13700 (or equivalent)
Memory	32GB DDR4, frequency 2666 MHz (or better)
Hard Drive	1TB (or more) SSD
Graphics Card	NVIDIA® GeForce RTX™ 3060 (6GB VRAM)
Display	15.6" FHD (1920 x 1080) (or more)
USB Interface	USB 3.0 or higher, Voltage 4.9V-5.1V, Current >1A
Operation system	Windows 10/11

Specifications

HELIOS 500

*Accuracy results are from a third-party professional testing agency.

Accuracy	Full-arch	20.0μm
	Single-tooth	<10μm
	Scan area	16 x 14mm (L)
		12 x 12mm (S)
Handpiece	Dimensions	217x54x24mm
	Weight	185g
Tip	Tip size(front part)	22x18mm(L)
		18.6x16.7mm(S)
Connectivity	Length	1.8m/Handpiece detachable
	Type	USB 3.0
Calibration	Accuracy calibration	Calibration-free
	Color calibration	Calibration-free
Advanced Mode	Remote control	✓
Data	Output format	STL/PLY/OBJ