

ioX6.1

Clear vision,
absolute precision



Designed
in USA



30mm depth



10 μ m
precision



Ultra-speed



The top half of the page features a dark, moody background. In the center, the 'nexum' logo is displayed in a bold, black, sans-serif font, with the 'e' highlighted in a vibrant blue. Below it, the word 'DENTAL' is written in a smaller, all-caps, black, sans-serif font. To the right, a large, detailed image of a palm tree is visible. In the foreground, the silhouettes of several office chairs are arranged in a row, suggesting a modern dental office environment.

nexum DENTAL

ABOUT THE BRAND

At Nexum Dental, **we redefine the standard in dental equipment and supplies**, transforming the ordinary into the extraordinary.

Our headquarters combines **technological innovation with an unwavering commitment** to excellence, positioning us as a leader in the premium dental market.

We are a comprehensive provider of CAD/CAM solutions, integrating research and development (R&D), production, and sales, backed by a well-established R&D team. We have obtained numerous international certifications, such as CE, FDA, and ISO, **which guarantee the quality and reliability of our products.**

We specialize in importing and distributing products designed for dental laboratories and clinics that seek exceptional quality, ease of use, and an innovative approach. Inspired by the need to offer accessible solutions without compromising exclusivity, we provide advanced equipment and after-sales services that make a difference.

Our mission is clear: **to simplify processes, exceed expectations, and elevate the customer experience.** At Nexum Dental, we are driving a new era of technology in the service of dental health.

ioX6.1

**Clear vision,
Absolut precision.**

**Designed for
comfort. Built for
confidence.**

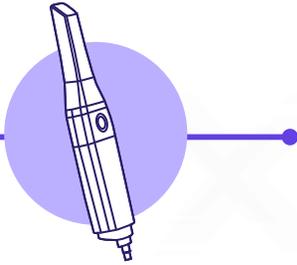
The next-generation intraoral scanner designed to optimize your workflow and elevate the quality of your practice.

With an elegant design and intuitive handling, **the ioX6.1 captures digital impressions with exceptional precision, ensuring high-quality restorations** that inspire confidence in both professionals and patients. **It is the perfect ally for modern dentistry.**



NEXUM DENTAL
ioX 6.1 CATALOG

Compact. Intelligent.
Effortless Scanning.



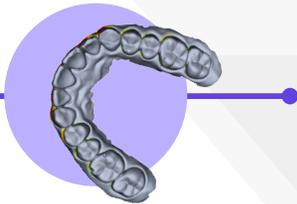
32% Lighter
42% Smaller

Compact design with ergonomic comfort



30% More Accurate
(10µm for Full Arch)

Unmatched accuracy for diverse clinical applications



Up to 22 mm
Deep Scan Depth

Ideal for capturing details: scan bodies, margins, and gingival contour



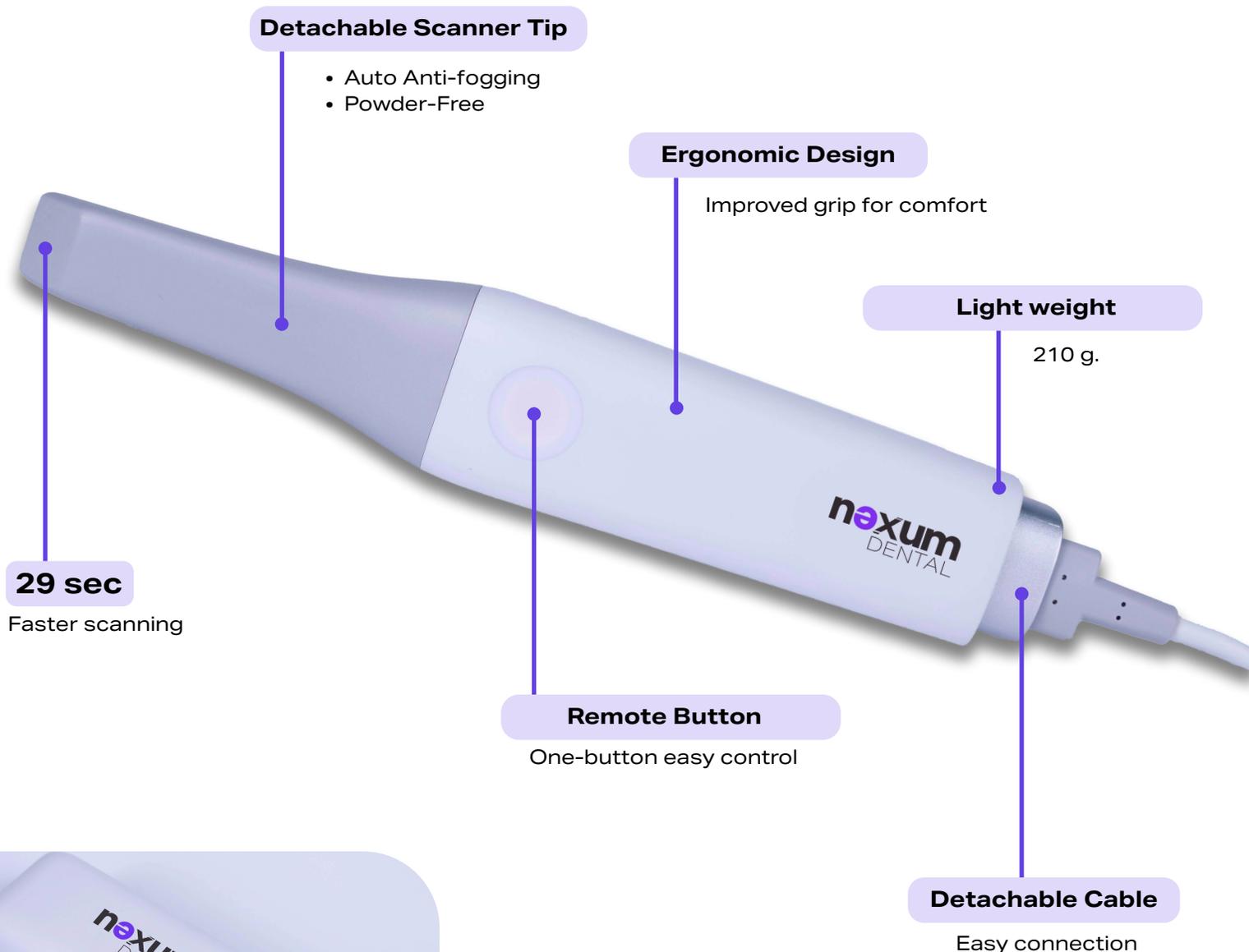
Single Arch in
29 seconds

Fast scanning speed, reduce patient chair time

nexum
DENTAL

Small Details that Makes ioX6.1 a revolution

With **advanced hardware and smart software working in harmony**, ioX6.1 delivers smooth workflows and reliable results.



Each scan
a clearer vision
of the future.



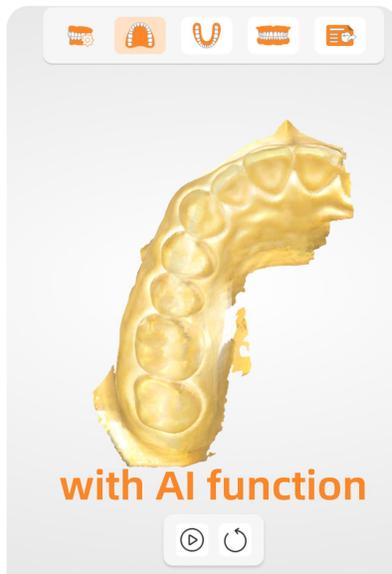
Applications

Implant



Deep Field Clarity

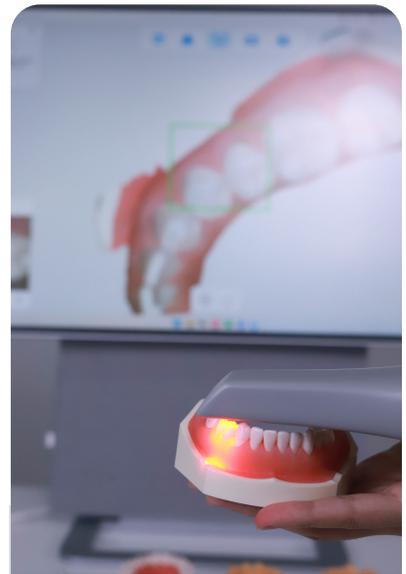
An enhanced depth of field captures intricate details of implant sites.



with AI function

AI Scan Filtering

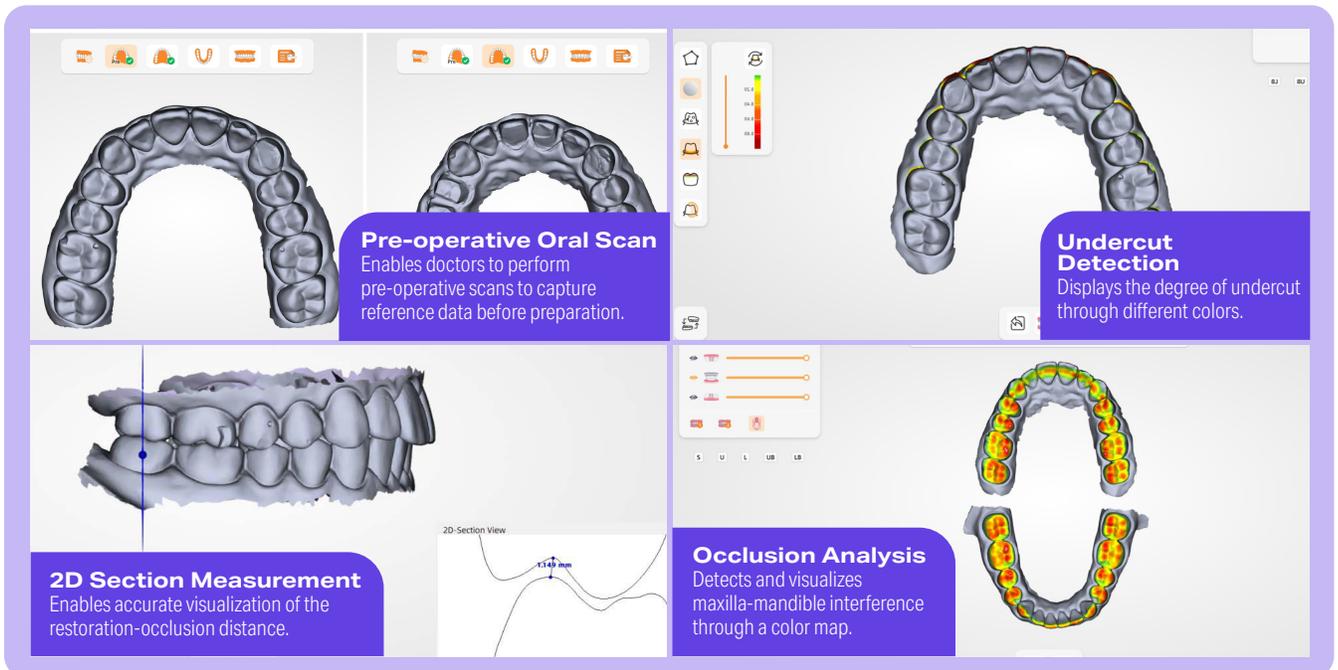
Automatically identifies and filters out irrelevant soft tissue data.



Metal Recognition

Advanced algorithms instantly identify abutments and scan posts.

Restoration



Pre-operative Oral Scan
Enables doctors to perform pre-operative scans to capture reference data before preparation.

Undercut Detection
Displays the degree of undercut through different colors.

2D Section Measurement
Enables accurate visualization of the restoration-occlusion distance.

Occlusion Analysis
Detects and visualizes maxilla-mandible interference through a color map.

Orthodontics



Exceptional Orthodontic Scanning

Accurately scans metal brackets and clear aligners with advanced optics and AI algorithms.

Orthodontic Progress Tracking

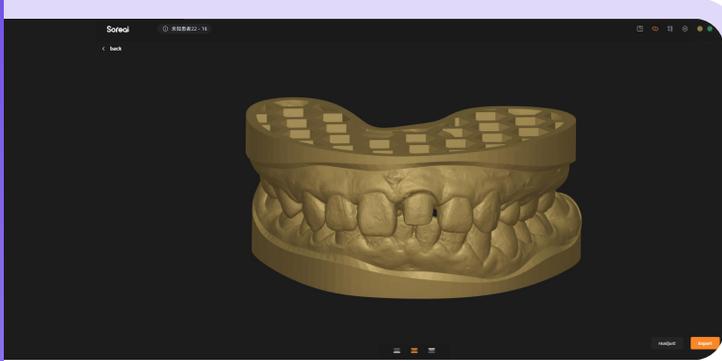
Seamlessly record, monitor, and compare patient scans across treatment stages.

Soreal app



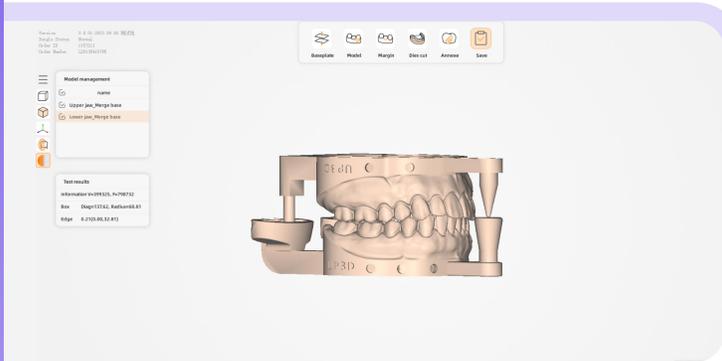
Chairside Immediate Restoration Workflow

- Order management
- Data management
- Seamless collaboration between clinics and labs
- Quick order creation
- 3D data sharing



Generate Base:

Quickly create a basic model with a base and drain holes in just 30 seconds.



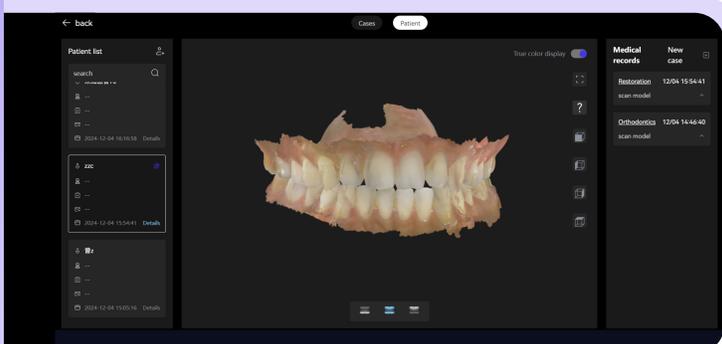
Model Editor:

Edit models with features like repair, articulator integration, labeling, die and implant gingiva generation.



Oral Health Report:

Automatically generates a health report after scanning, providing patients with a view of oral health status



Intelligent Patient Management:

- Real-time tracking of patient treatment stages
- Easy access to historical data for dentists

Tailored Solutions for Every Dental Application

From clinics and labs to dental schools, ioX6.1 is built to adapt to various business models and workflows. Its flexible design guarantees smooth integration and dependable performance, offering customized solutions for diverse dental needs.

Specifications

Light Source	Red, Green, and Blue LED
Dimensions	227 × 42.5 × 33.3 mm
Weight	210 g
Accuracy	10µm for Full Arch
Scan Field	14.5 × 16.2 mm
Scan Depth	22 mm
Full Arch Scanning Time	≤ 2 min
Tip Size	20.5(W) × 18(H) mm
Output Formats	STL, PLY, OBJ
Input Power	DC 12V, 3.0A (appropriate power supply for the scanner)
Scanning Frame	22-24 FPS
Cable Length	1.5 m

Recommended System Requirements

Operating System	Windows 10 or Windows 11, 64-bit Professional edition
CPU	Intel Core 12th generation i7 or above
Dedicated Graphics Card	NVIDIA GeForce RTX 30xx series (with at least 6GB VRAM, recommended 8GB)
Memory	16GB RAM or above
Hard Drive	Dual Drives: 256GB SSD (Solid State Drive) + 1TB HDD (7200 RPM)
Motherboard	Choose a reputable manufacturer's motherboard (e.g., ASUS) with USB 3.0 support.



Ensure the presence of a dedicated graphics card.
Sufficient availability of USB 3.0 ports (at least 2).
For stability purposes, it is recommended to use a branded computer rather than a custom-built one.



Designed
in USA

nexum
DENTAL



+1 (813) 708-4629



info@nxmdental.com



@nexum_dental



@nxmdental

www.nxmdental.com