CAPTURE YOUR ESSENCE IN A FLASH
3D FACE SCANNER

Ray

RAYFace

The endless possibilities of Face-Driven Solutions

RAYFace goes beyond its value as a 3D facial scanner
to provide a Face-Driven 'Total treatment solution'

FACE-DRIVEN SOLUTION

Unlock the Potential of Face-Driven Dentistry: Now add 3D Face Scan to Digital Dentistry with intraoral scanners and CBCT to create dental avatars quickly and easily. Face Driven Dentistry uses dental avatars to provide faster, more accurate diagnosis and personalized care for patients.

3D Face Scanner • CBCT • Intraoral Scanner

DIAGNOSIS CONSULTATION TREATMENT

RAYFace

RAYFace stands as a premier 3D facial scanner on the market today, renowned for its exceptional speed and user-friendly interface, engineered specifically for the dental domain. Leveraging the patient's facial features, RAYFace generates a Dental Avatar, merging intraoral scans and CT data to construct a comprehensive 3D representation of the patient's face. This facilitates the creation of a 3D virtual patient for analysis and smile design, revolutionizing dental practice. Embark on a transformative journey in your practice with virtual patient technology and modern design, offering patients an exceedingly personalized and cutting-edge experience.

Instantaneous Scan

0.5 Sec   6 Camera

Secure precise teeth data

Instantly acquire 3D scans of the facial structure and dentition

Intelligent Auto Alignment

7 Sec   1 Click

Advanced automated quick data merging & landmark detection

Efficient workflow and intuitive processes for generating virtual patient models

High Resolution

Image Processors

Equipped with a high quality multi-sensor

Provides precise face measurement data based on clear images

RAY Teams

Two Way

Interactive communication

RAYTeams communication platform facilitates communication between dental practices and laboratories

3rd Party intergration

Highly Scalable

3rd Party Software & iOS integration

Effortlessly integrate with diverse software platforms to establish connectivity

Instantaneous Scan

RAYFace's advanced technology facilitates the rapid scanning of dental and facial structures within a mere 0.5 seconds, thereby offering a swift and efficient procedure that optimizes time for both dental practitioners and patients alike. The fixed positioning of the scanner and patient significantly reduces potential errors during the scanning process, ensuring the acquisition of superior-quality 3D data.
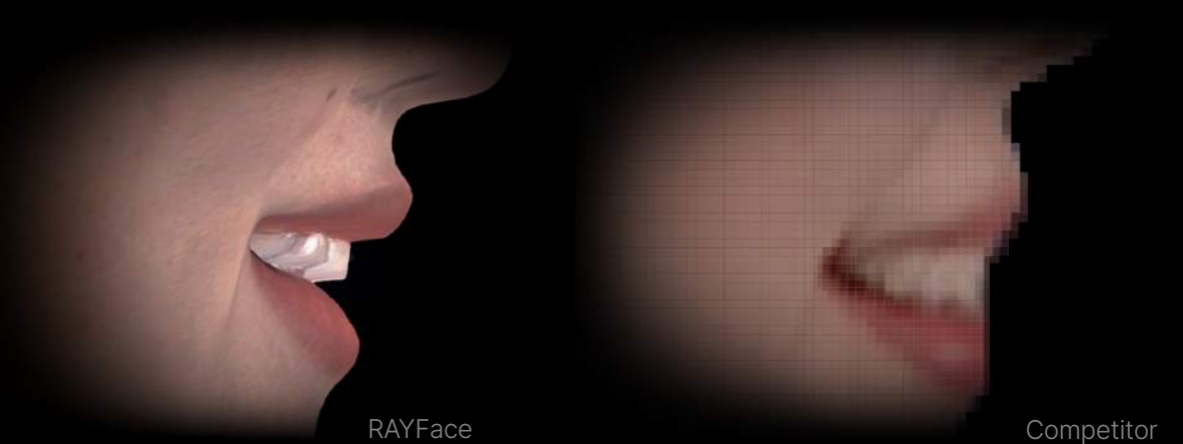
0.5 Sec.
6 Cameras
3D Capture

Minimize motion artifacts

Best   Good

Capture the incisal edge
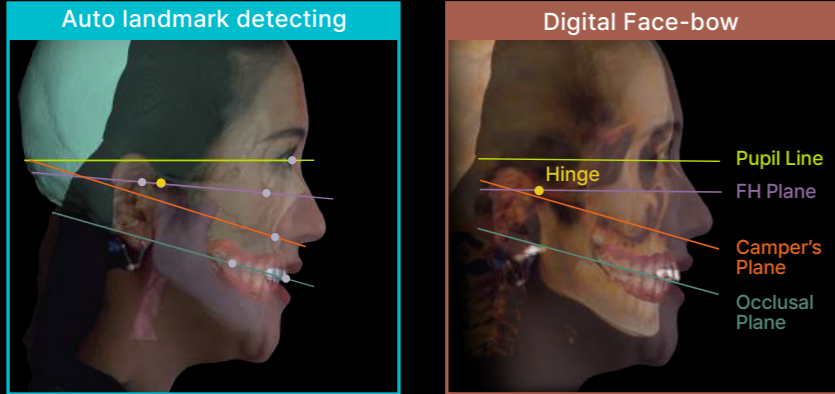
RAYFace   Competitor

Intelligent Auto Alignment

The Automatic data alignment technology enables users to generate Dental Avatars by overlaying patients' intraoral scan data, 3D face scan data, and CT data with just few simple clicks. Formulate a virtual patient utilizing a comprehensive dataset to devise a customized treatment strategy aligned with the patient's unique facial characteristics.

Creating a virtual patient is now effortless. Utilize virtual patients across a spectrum of treatment areas

Effortless Automatic Data Alignment

RAYFace's intelligent auto-alignment technology seamlessly integrates IOS/CBCT/3D Face data while autonomously detecting anatomical landmarks for diverse diagnostic purposes. These landmarks are applicable across a spectrum of clinical scenarios.

Auto landmark detecting

Digital Face-bow

Hinge

Pupil Line
FH Plane
Camper's Plane
Occlusal Plane

IOS

CBCT

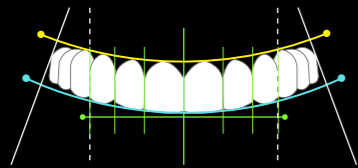Face Scan

Virtual Patient

Clinical Applications

RAYFace offers a platform that improves communication between patients and practitioners, applicable not only in consultations but also in diagnostic and therapeutic domains. RAYFace Smile Design enables the simulation of aesthetic prosthetic treatments using Dental Avatar, granting patients a lifelike preview. Moreover, coupled with the Mock-up Exporter, one-click 3D printing becomes feasible, enabling patients to tangibly experience treatment outcomes and bolstering motivation.

Seamless execution. Realistic results: Enhancing the effectiveness of consultations and clinical practices with tangible outcomes

Digital Smile Design

Smile Design is a tool that utilizes 3D facial images captured with RAYFace to design teeth swiftly and accurately, tailored to the patient's needs with ease of use. By simulating the patient's post-treatment appearance, it enhances patient acceptance by providing a visual representation of the potential outcome.

Preview
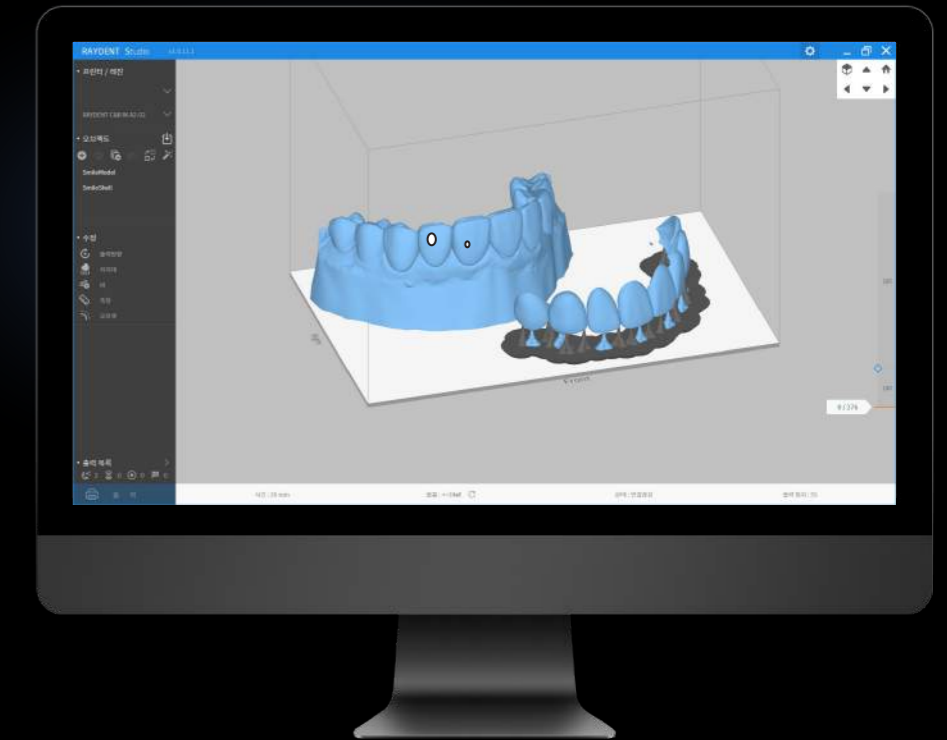Simulation of treatment with Dental Avatar

Mock-up Exporter

The Mock-up exporter seamlessly transforms Digital Smile Design data into 3D printable Mock-up data, ensuring a fast and simple process. This streamlined approach delivers a satisfactory experience for both patients and clinicians.

Easy
One-click digital mock-up workflow

### 1 hour
Effortless
Realistic outcome
Time saving

Clinical Applications

RAYFace offers software designed to improve communication between patients and clinicians. Its application extends beyond counseling to complex treatment planning. RAYFusion employs robust intelligent software to segment CBCT data into anatomical structures, subsequently converting it into STL data. This STL-converted data serves as input for the Ortho simulator, facilitating the comparison of pre and post treatment outcomes.

Enhanced consultation through CT and IOS data segmentation and integration: Advanced tech solution surpassing the conventional DICOM based consultation.

RAYFusion

RAYFusion integrates segmented IOS images (tooth crown) and CT images (tooth roots), transforming them into a comprehensive anatomical structure. The entire segmentation process typically requires around 7 minutes. The versatile RAYFusion data is adaptable for a range of dental treatment plans.
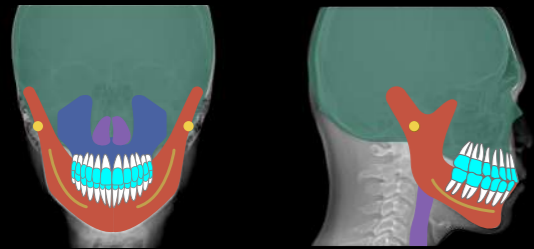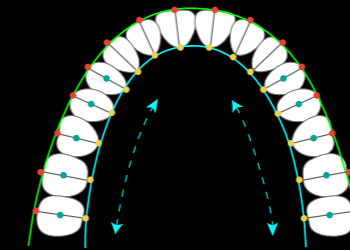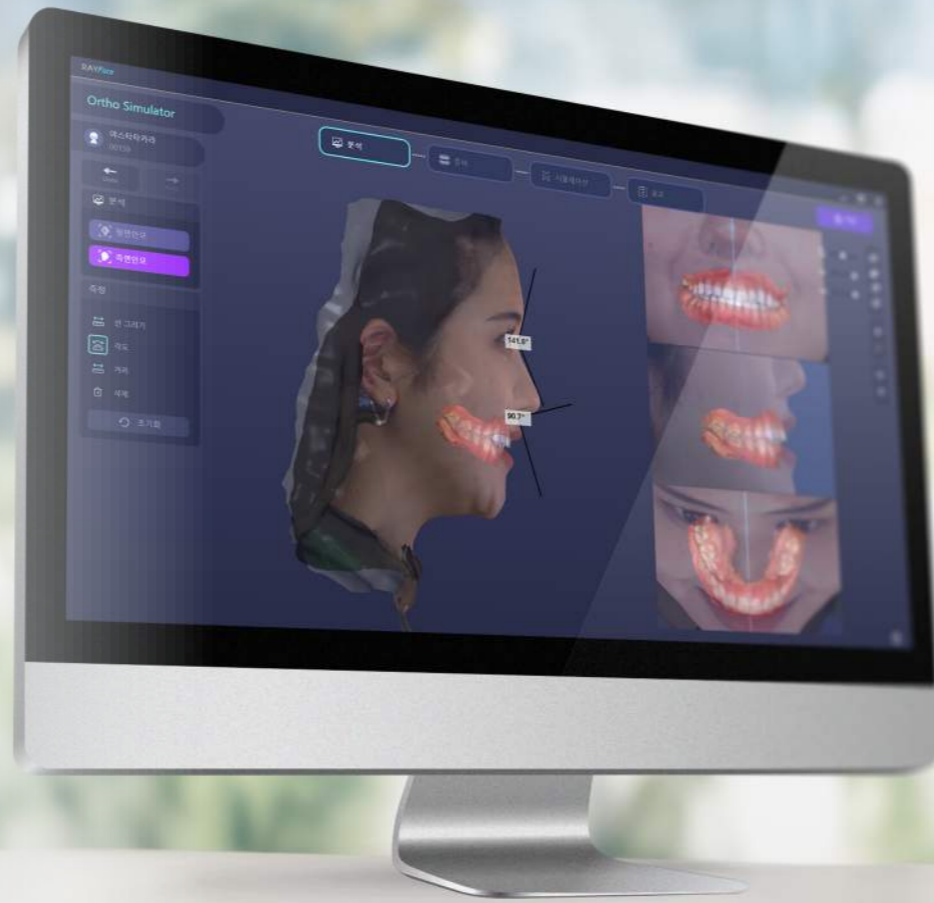
7min, Segments
▶ STL File
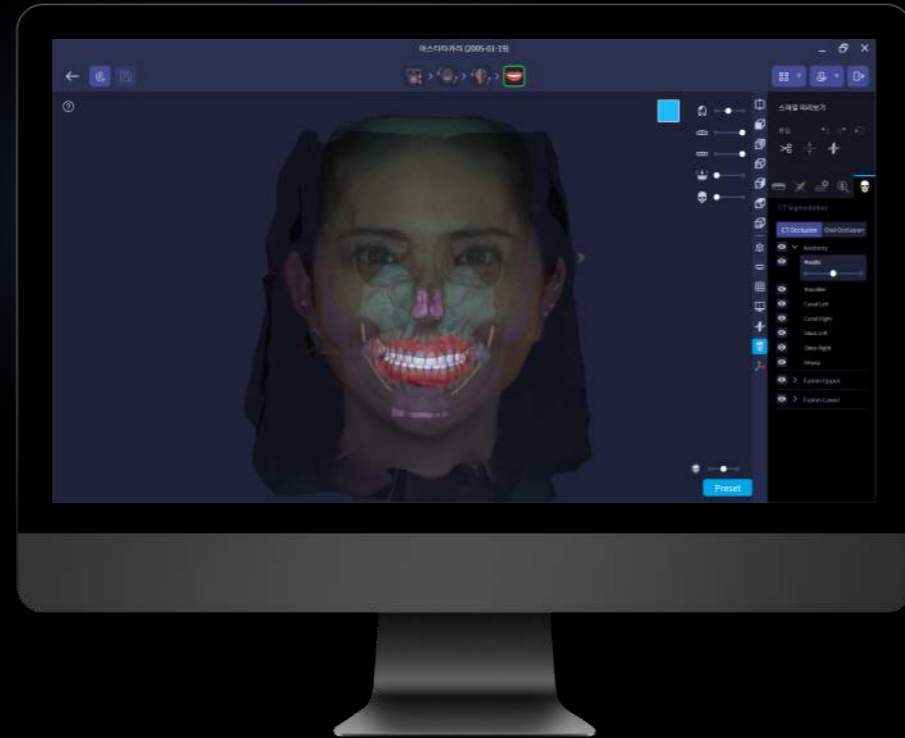
Ortho Simulator

Utilizing Dental Avatar's IOS data facilitates orthodontic treatment simulation and allows for comparative consultations pre and post treatment. This consultation solution enhances the patient consent rate.

Quick
Comparison
Before and after
orthodontics

Before   After

FACE-DRIVEN DENTISTRY

RAYFace

RAYTeams: Cloud Platform

RAYTeams is a dedicated cloud platform for dentistry, facilitating connectivity between dental practices and laboratories. It offers diverse treatment services including aesthetic prosthetics, orthodontics, and dentures treatments, all based on 3D facial data captured with RAYFace.
The platform enables real-time communication, allowing for the delivery of patient data essential for treatment planning and collaborative decision-making.

Repository for Dentistry

RayTeams streamlines all essential processes for dental treatment, encompassing patient case ordering, design confirmation, and case management. Users have the flexibility to utilize existing templates or establish customized workflows, facilitating efficient project identification and management at a glance.


Two-way communication tool

Dental practices and laboratories can engage in real-time communication while simultaneously reviewing case data and design outcomes. This bidirectional communication minimizes the potential for remakes and enhances productivity.

Customized Dental Ecosystem for Global Collaboration

Open Community

· The RAYTeams Cloud Platform operates servers across 13 regions globally, enabling the RAYTeams app to offer extensive services through partnerships worldwide.
· Designed for seamless collaboration between enterprises, the RAYTeams Cloud Platform fosters accessibility and inclusivity, welcoming participation from all interested parties.
· Employ the Customized Flow Chart feature to craft personalized RAYTeams apps, facilitating sharing among multiple users.
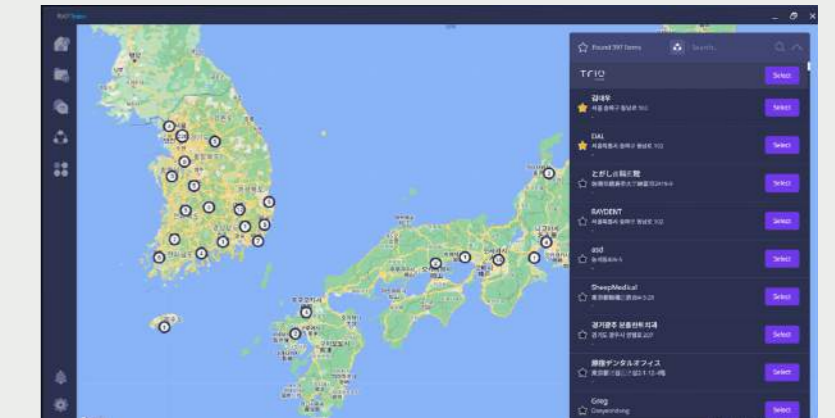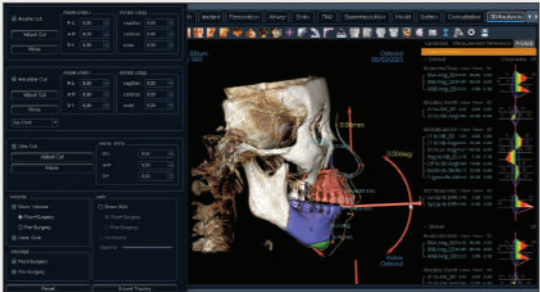
3rd Party Software intergration

Integration with various 3rd party CAD and 3D viewers for expanded clinical experience.
Exocad exoplan®, Invivo7, BlueSkyPlan, OnyxCeph, Dolphin imaging, RealGuide, etc.
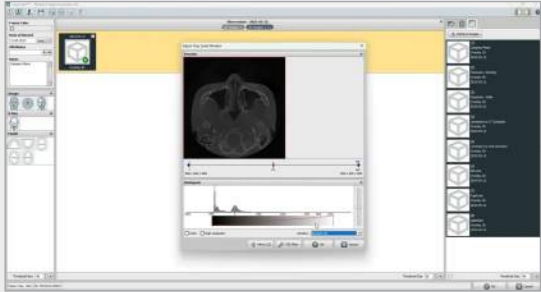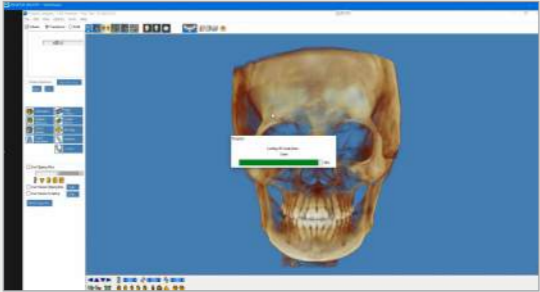

Exocad exoplan™

Invivo7
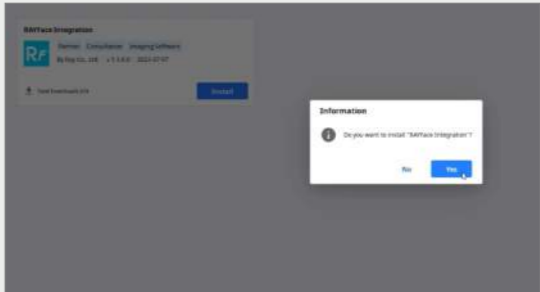

BlueSkyPlan

OnyxCeph

Dolphin imaging

RealGuide

3rd Party iOS integration

Integration with various 3rd party iOS for expanded clinical experience.
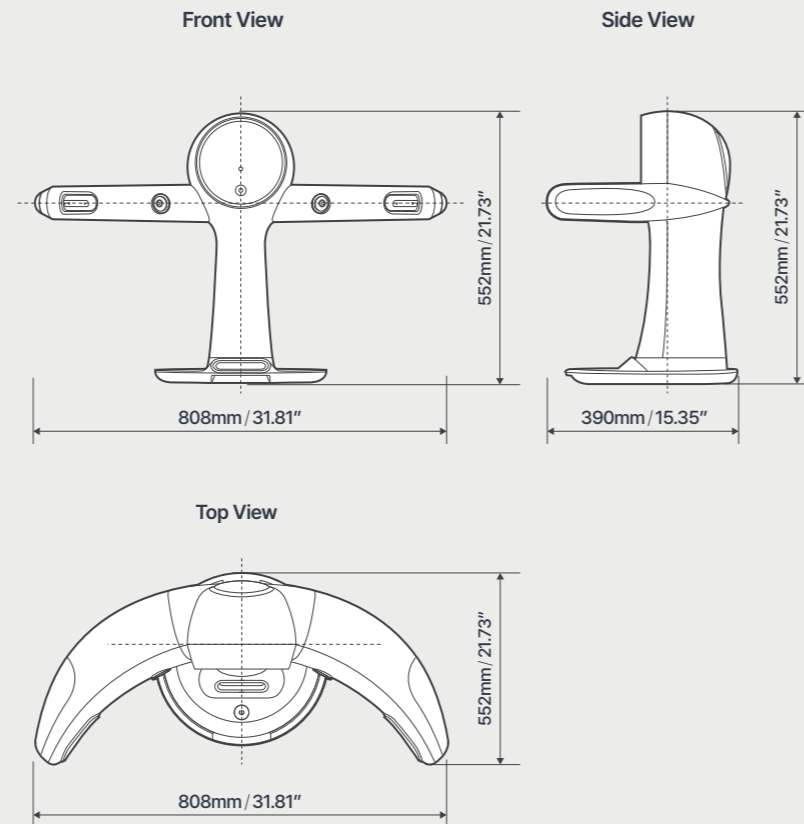

3Shape TRIOS

Medit Link

Specifications

Main

Model name	RFS200
Dimension	808×552×390 mm
Weight	9.5Kg
Scan area	220×300mm
Scan type	White/Blue Structured Light
Camera resolution	1440×1080
Texture	24bit true color
Image transfer interface	LAN
Light source	White LED
Input Power	100~240V 50/60Hz 1.5A

Calibration Kit

Dimension	198×246.3×565.5(H) mm
Weight	2.5Kg

PC Requirements	Minimum	Rcommended
CPU(laptop)	Intel Core i5-10500H	Intel Core i7-10800H
CPU(desktop)	Intel Core i5-10600	Intel Core i7-10700
GPU	NVIDIA GeForce RTX 2060 6GB	NVIDIA GeForce RTX 3070 8GB
RAM	16GB	32GB
Storage	1TB SSD	1TB SSD
Monitor	1920×1080mm	1920×1080mm
USB	1x USB port 2.0	1x USB port 2.0
LAN	1 Gbps Ethernet	1 Gbps EtherNET
OS	Microsoft Window 10×64	Microsoft Window 10×64
	Microsoft Window 11×64	Microsoft Window 11×64

Dimensions

Front View

552mm / 21.73"
808mm / 31.81"

Side View

552mm / 21.73"
390mm / 15.35"
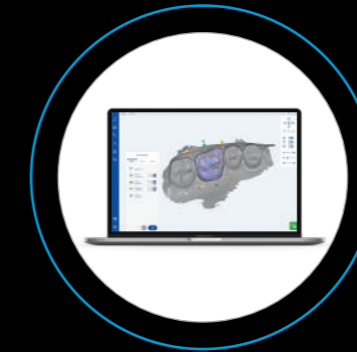
Top View

552mm / 21.73"
808mm / 31.81"

FACE FORWARD

With RAY's FACE-DRIVEN DENTISTRY, you're not just adapting to the digital era- you're leading it. Elevate your practice by embracing our three core pillars: SCAN, DESIGN, MAKE.
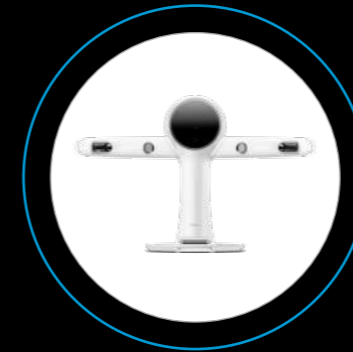
SCAN   DESIGN   MAKE

Ray

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