

R2i3

by MEGAGEN

“Hello,
R2playground,”



 **MEGAGEN**
For Lifetime Smiles

R2i3
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“Hello,
R2playground,,



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New AI-driven era for intraoral scanners

- faster scanning
- counseling via cloud sharing

AI is transforming intraoral scanners.

The R2i3 AI algorithms offer a faster scan speed, can automatically detect and capture lesions, and seamlessly integrate with the cloud to enable consultations with actual scan results, regardless of location. This also allows easier sharing with patients, boosting their trust and expediting treatment consent.

The new role of AI-driven oral scanners is providing more efficient dental care.

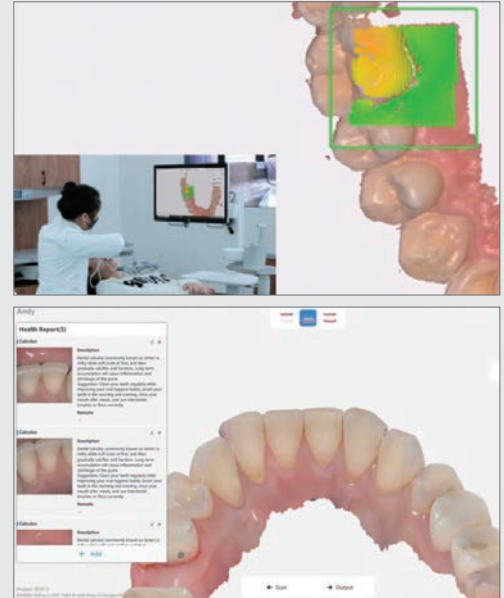
“Hello,
R2playground,,



Faster AI-powered scans & lesion detection

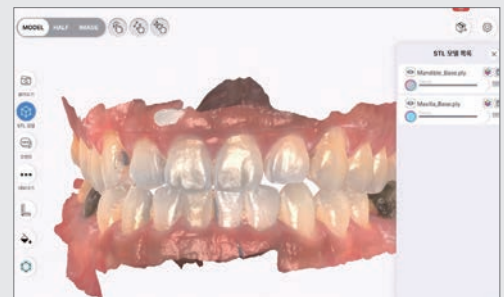
The integrated AI software function automatically removes soft tissue artifacts and disregards the tongue and cheeks to efficiently shorten the scan time.

The deep learning AI algorithm can accurately identify and locate lesions, capturing high-definition images for a detailed oral health report.



Seeing is believing for more effective counseling

The CHI-TOK program, designed to support effective counseling, automatically downloads the scan data acquired by R2i3, allowing for immediate patient consultation using the actual scan data of the patient. This ability to review the AI-captured data and images, while also recording all counseling content then increases patient trust.



Building patient trust via cloud sharing

All the scan data and consultation results can easily be sent to the patient's mobile device. This allows sharing with family members, helps to increase patient trust, and speeds up treatment consent.



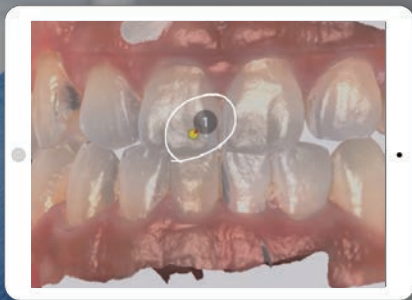


**No USB
R2Cloud multi-sharing**

No need for USB or complex network settings to transfer scan data. All R2i3 data is securely uploaded to the R2Cloud and can be easily sent to any PC with the R2playground program or mobile device with CHI-TOK.

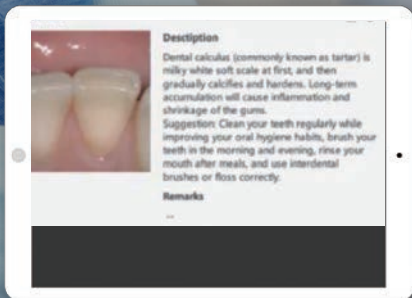
CHI-TOK

Seeing is believing to build more TRUST



Easy consultations anytime, anywhere

The scanned data acquired by R2i3 is automatically stored in the R2Cloud, facilitating data sharing on any PC with the R2playground program. This data can also be easily accessed for chairside consultation using CHI-TOK.



Lesion detection

The AI-driven intraoral scanning process provides high-definition lesion images, allowing detailed analysis and treatment planning, and improved patient comprehension for treatment consent.



Multi-view & added notes

Along with the scanned data and images, radiographic images can also be included for better diagnosis and patient consultations, plus CHI-TOK includes a hand-drawing tool for adding comments.



Seeing is believing, Sharing is trusting

Build patient trust via cloud sharing

All scan data and consultation results can be easily sent to the patient's mobile device. This allows sharing with family members, helps to increase patient trust, and speeds up treatment consent.



R2i3

Feature & Functions

Cutting-edge AI software orchestrates a symphony for maximum performance!



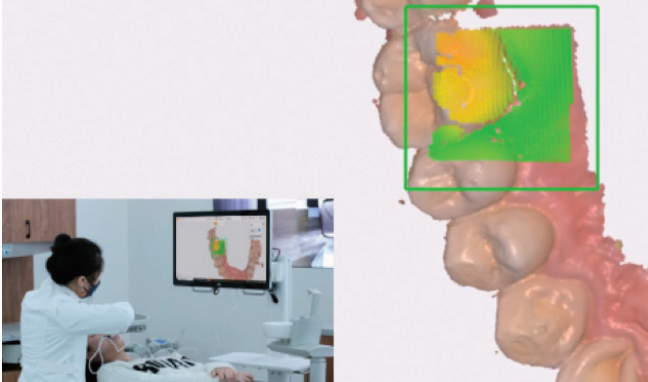
The hardware evolution has
come to a halt!
It's the evolution of software
that now determines
performance...

R2i3 intraoral scanner:

Fast and easy image-capturing technology providing reliable, accurate, & complete data for digital dental impressions. Offers patients a comfortable and efficient treatment experience, and easier communication with the dentist. Open system scanner that allows access to the latest technology on the market. Range of applications, including digital restoration, digital orthodontics, navigation, & digital implant templates etc.



R2i3
by MEGADENT



Fast scanning

The linear scanning speed reaches 80mm per second, and the faster reconstruction and more optimized matching algorithm can complete a real single-jaw scan within 30 seconds. Whether an intraoral scan or a model scan, the upgraded Ai function automatically identifies teeth and gums, and there is no need to turn off the AI when scanning a model.



Metal scanning

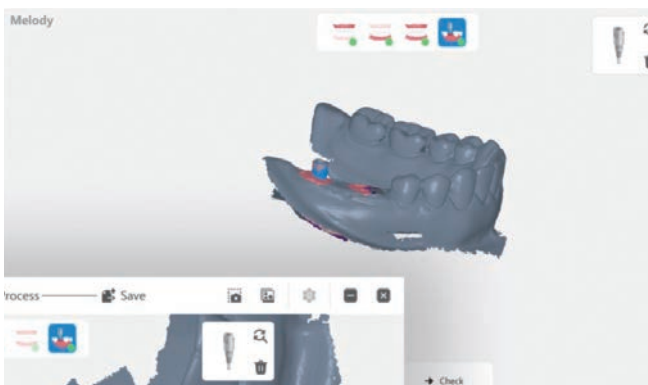
The optimized metal scanning function makes it easier to scan patients with metal crowns, metal bridges, metal inlays, & amalgam fillings to obtain accurate intraoral data.



3D true colors

The color reproduction is more realistic, which is especially important for chairside dentist-patient communication based on a 3D model.

All dental caries, plaque, wedges, and other details can be clearly seen by the patient, improving the efficiency of doctor-patient communication.



AI matching

The enhanced AI functionality also provides greater convenience in the implant scan mode. When scanning an abutment, it is automatically matched it with the registered library to streamline the process.

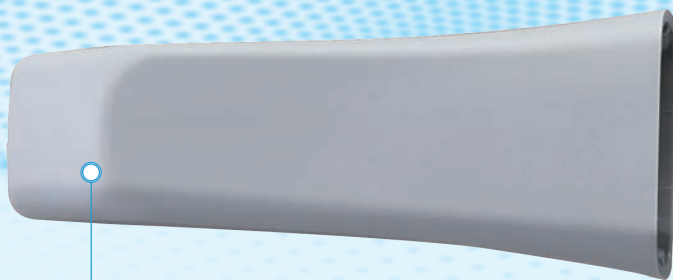
The AI automatic matching feature also enhances the precision of implant prosthetics.

Small details make a huge difference in quality!



Easy detachment

The scanner tip can be easily replaced by a simple plug in and out operation, plus immersion disinfection and high temperature & high pressure sterilization are both possible.



Ergonomic scanner tip design

The scanning tip has an integrated heating system, with a fast heating speed and constant temperature. Plus, the angle of the scanning tip mirror is close to 45 degrees, allowing a better view of the anterior and posterior areas.





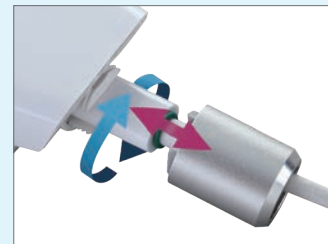
Ultra lightweight

The streamline handpiece weighs only 210g, making the operation much more convenient and simpler.



Safe connection

The replaceable Type C data cable uses a screw connection design to ensure a stable connection during operation.



Calibration-free

R2i3 does not require regular calibration, as it undergoes a series of calibration procedures before leaving the factory.



Hands-free control

The oral scan software and scanning process can be operated without touching the PC based on moving the scanner to give commands. This increased ease of use also promotes infection control in a clinical setting.

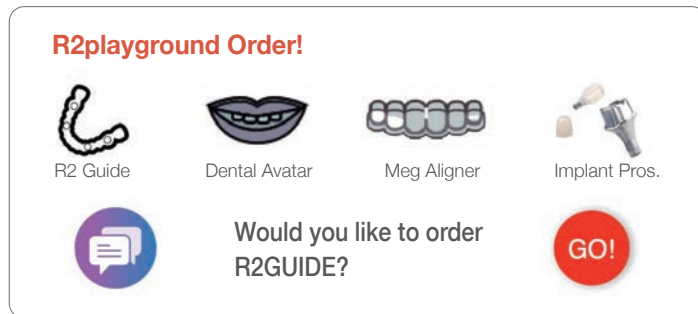


Experience **R2i3** more conveniently
with **R2playground!**
Discover our newly enhanced
digital services!



R2playground one-click suggestion feature for future tasks

The R2playground service function integrated with R2i3 automatically suggests future tasks and services based on the scan data. With just one click, the required programs or services are immediately executed.



Fast & convenient design services from digital specialists!

The busiest individuals in a dental clinic are often the dentist and the patient. Without a proper design, even significant investment in 3D printers and CAD/CAM equipment can all go to waste. Now, with a single click on R2playground, essential diagnostics, guide designs, and prosthetic designs can all be ordered. Expert planners (designers) from each region will promptly handle every order. If you lack digital equipment, place your order for finished products at a specialized R2Center.



R2playground can manage both program operations and order management all at once!

Download and utilize all R2 solution programs, including R2GATE Lite for implant diagnostics and confirmation, Chi-ToK for convenient patient consultation, the Smile Creator app using Dental Avatar for aesthetic consultations, FaceGIDE Lite for orthognathic diagnostics and confirmation, and R2 Ortho Lite for clear aligner setup confirmation, all within the R2playground platform. Any results ordered through R2playground are automatically downloaded and promptly notified to the user in real-time. No need to log into various websites to check diagnostics or design files. R2playground efficiently manages all your orders and files as your dedicated assistant!





Design or ready-to-use services?

Connect with R2 experts effortlessly at R2playground, right in your clinic!

From implant diagnostics to cutting-edge guide design & bespoke prosthetics, it's all just a click away.

Looking for fabrication services?

Check out the R2 Center.

Your digital transformation starts here!



<p>● Design services by R2 Planner</p>	<ul style="list-style-type: none"> · R2 implant planning · R2Guide design · Prosthesis design · DOD planning
<p>● Ready-to-use services by R2Center</p>	<ul style="list-style-type: none"> · R2Guide · Dental prosthesis · Bar & bridge
<p>● Special services by HQ Center</p>	<ul style="list-style-type: none"> · FaceGIDE · Mx.-facial reconstruction · Meg aligner



● R2Guide & ONE-DAY temporary



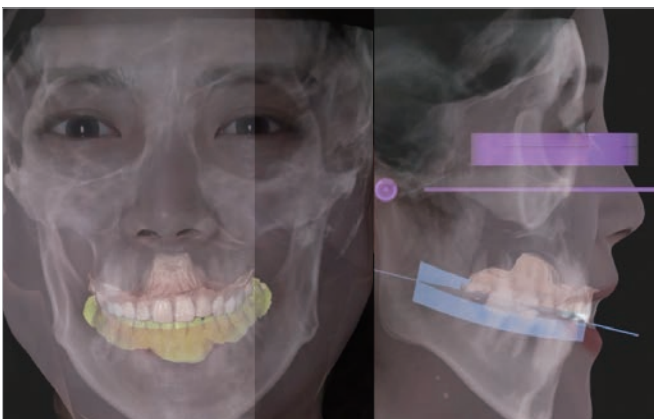
● Customized abutment



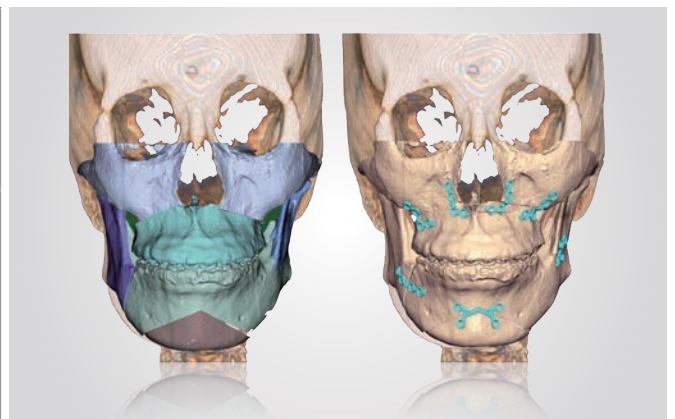
● Crown & bridge



● Implant bar & bridge



● Dental avatar & DOD design



● FaceGIDE



● Meg aligner



● Hybrid jaw reconstruction

R2i3 “Unplugged”

Enhanced mobility and flexibility by eliminating the attachment to a power source.
No more worries about power extension cords, providing a safer workspace and more efficient experience.



Unplugged type

Charge separately.
For more information & availability,
please contact your local MegaGen
dealer.



Standard type

Lightweight design, facilitating easy
portability & outstanding mobility. Wide
table provides generous space for
convenient & productive work envi-
ronment.

Specifications

Handpiece	Dimension (L x W x H)	240mm×49.5mm×30.5mm
	Weight	210g
Tip	Standard tip size	79mm×19.7mm×15.8mm
	Mini tip size	80mm×16mm×11mm
	Scan area (Standard)	15mm×15mm
	Scan area (Mini)	12mm×12mm
	Depth of field	15mm
	Autoclavable	Up to 100 times Autoclavable 121°C 16 mins Autoclavable 134°C 4 mins
Accuracy	Crown	<10µm
	Full arch	<20µm
Scan Speed	Single arch	30 s
	Full arch with occlusion	90 s
Calibration	Calibration free	
Output	STL, OBJ, PLY	
Connectivity	USB 3.0	
Multilingual System	Chinese, English, French, Spanish, Russian, Portuguese, Italian, Greek, Polish, Romanian, Japanese and Korean.	

Recommended System Configuration

Category	Laptop recommended	Desktop recommended
CPU	Intel Core i7-11700H	Intel Core i7-11700
RAM	16GB or higher	
Graphic Card(GPU)	NVIDIA GeForce 3060 or above Above 6G memory (Not supporting AMD graphics cards)	
Hard Disk Drive	256GB SSD or above	
Display Resolution	1920×1080, 60Hz	
System	Windows 10/11 Pro/Corporate Edition(64-bit)	
I/O port	USB 3.0 (or higher) port	
Power Consumption	25 V/A	

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