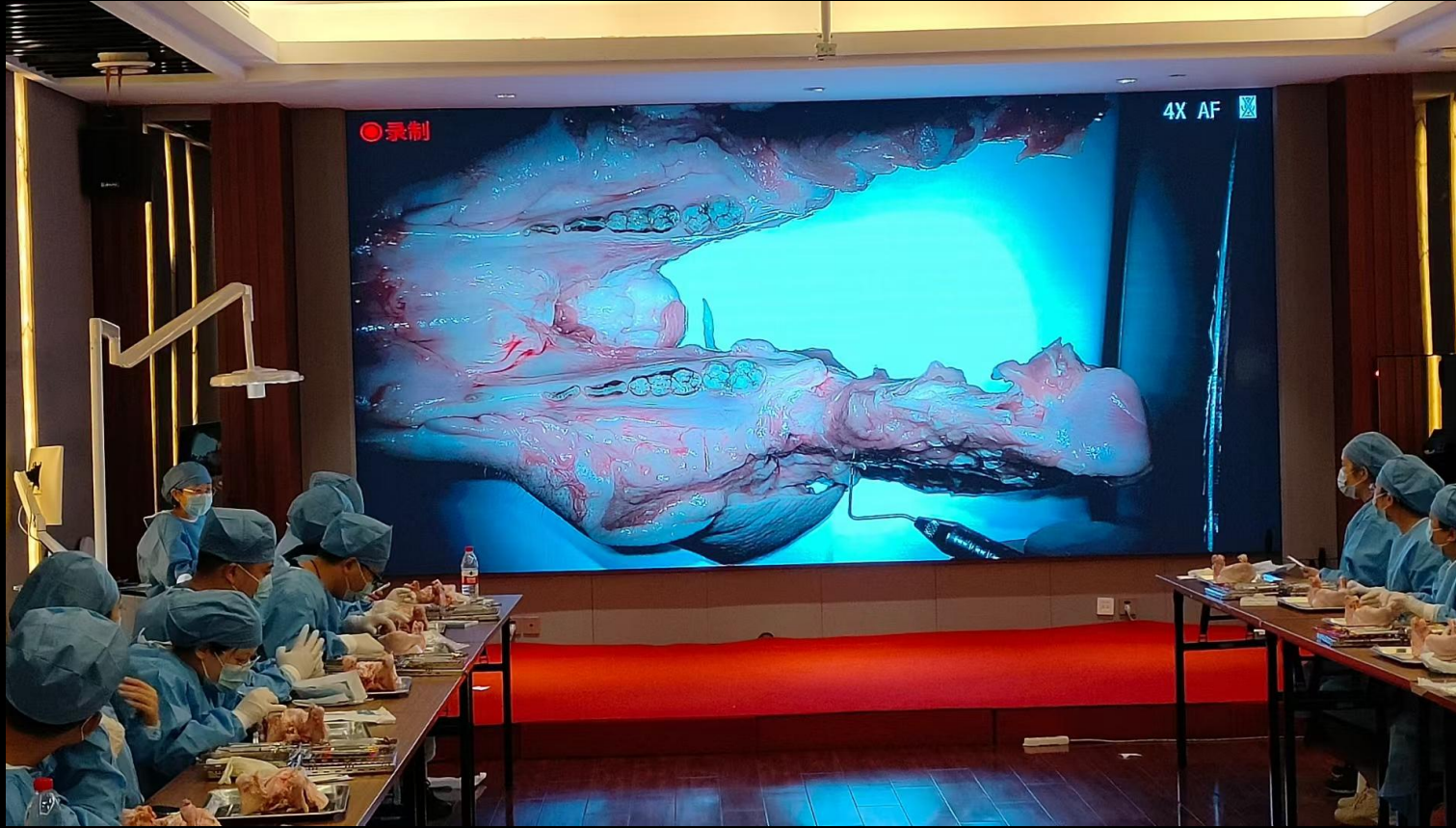


Professional dental imaging

M o c h e n D e n t a l R e c o r d i n g s y s t e m



Shenzhen Mochen Technology Co.,Ltd.
502 Bldg8,Lianchuang Science and Technology Park,No.21,Bulan Road ,
South Bend Street,Longgang District-518112,Shenzhen,China
order@3dova.com; whatsapp (+86)13603066591

Movable version



Model LED-10

Mochen dental recording system

Model DCR-480



Model DCR-1



C e i l i n g v e r s i o n



Mochen dental recording system

Wall-mounted



Mochen dental recording system

Track-mounted

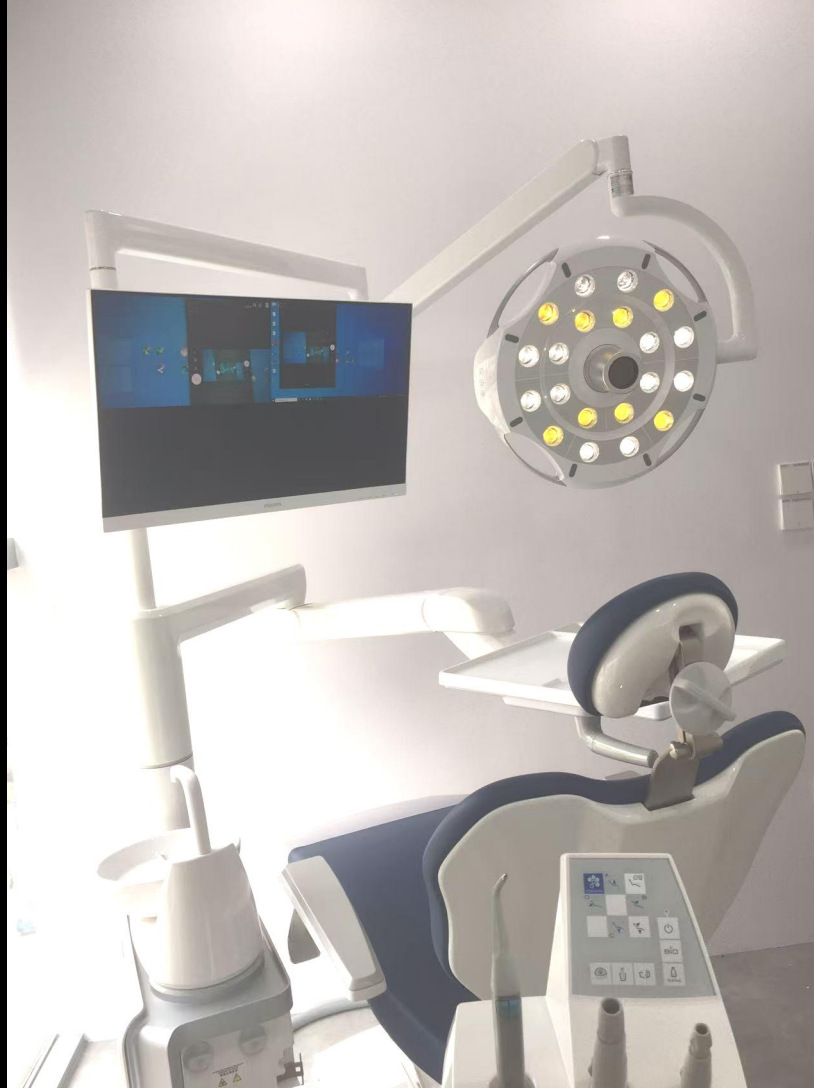


Chair-mounted version

Model : DCR-1



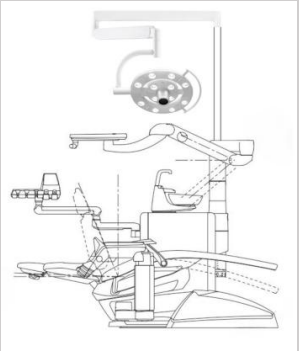
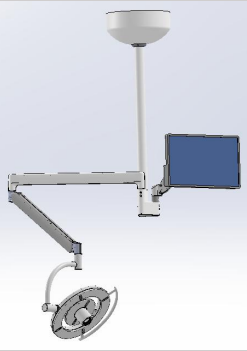
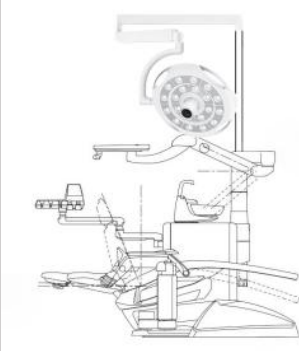
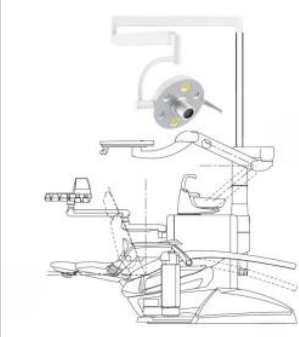
Model : DCR-480



Model : LED-10



Different options

Item	Movable version	Ceiling version	Wall-mounted version	Chair-mounted version	Optional
LED-10					double arm system Ceiling version with monitor 
DCR-480					double arm system Ceiling version with one more lamp 
DCR-1					Track-mounted dental camera recording system 

Ultra-HD imaging || multifunctional

M O C H E N D E N T A L R E C O R D I N G S Y S T E M



**Sensor
control
and
Remote
control**



- ▶ Record
- ▶ Take photos
- ▶ Zoom in Zoom out 1x ⇌ 30x
- ▶ Rotate the screen 180 °
- ▶ Auto focus / Manual Focus
- ▶ Turn on / off the light
- ▶ Reduce the brightness
- ▶ Increase the brightness
- ▶ HD recording box menu selection
- ▶ Select the captured photos
- ▶ Select the recorded videos
- ▶ Delete



- ▶ Adjust the focus away from the direction of the light
- ▶ Adjust the focus towards the direction of the light
- ▶ Increase the exposure
- ▶ Reduce the exposure
- ▶ Adjust the white balance
- ▶ Back to setting menu
- ▶ Play /Pause the video
- ▶ Setting Menu
- ▶ Turn off /on the camera sound

Handheld Remote control functions



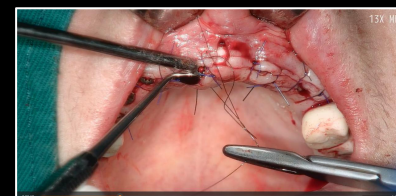
Mochen Dental Recording system



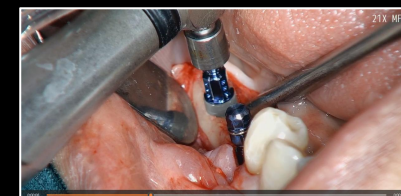
optical zoom
1x.....30x



Ultra-HD
1080P / 4K



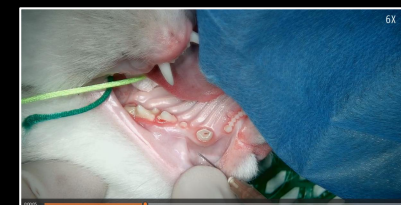
Ultra-accurate focusing
Auto focus + Manual focus



Integration design
Lighting system integrate
with video system



Lossless output
HDMI Output
TO PC Output
MIC LINE IN /OUT
supports RTSP protocol
External storage interface(USB)

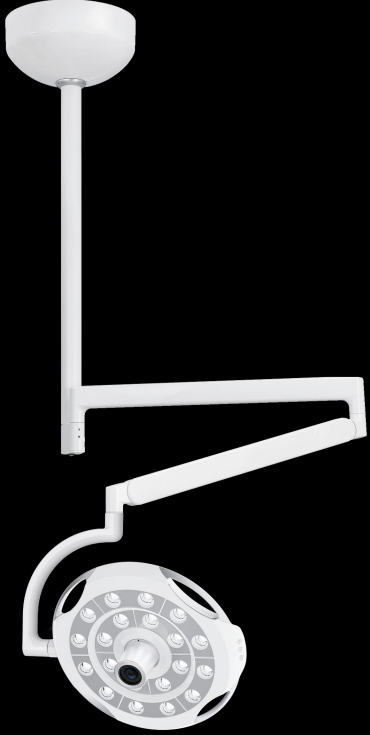


Coaxial illumination
and imaging
providing a shooting
angle that better
matches clinical practice

Six Reasons to Love

The Mochen dental recording system is an all-in-one device ideal for daily clinical practice, teaching, and case documentation, enabling dentists who do not use a microscope to still obtain high-quality imaging.

Implant dentists || periodontists || prosthodontists || Oral surgeons || Dental assistants



Auto Focus + Manual Focus

The Mochen dental recording system delivers both clinical stability and imaging convenience

Auto Focus + Manual Focus

Enjoy fast, stable focusing without constant adjustments. Clearer images mean smoother teaching, live streaming, and case recording, while the user-friendly design helps beginners get started with ease

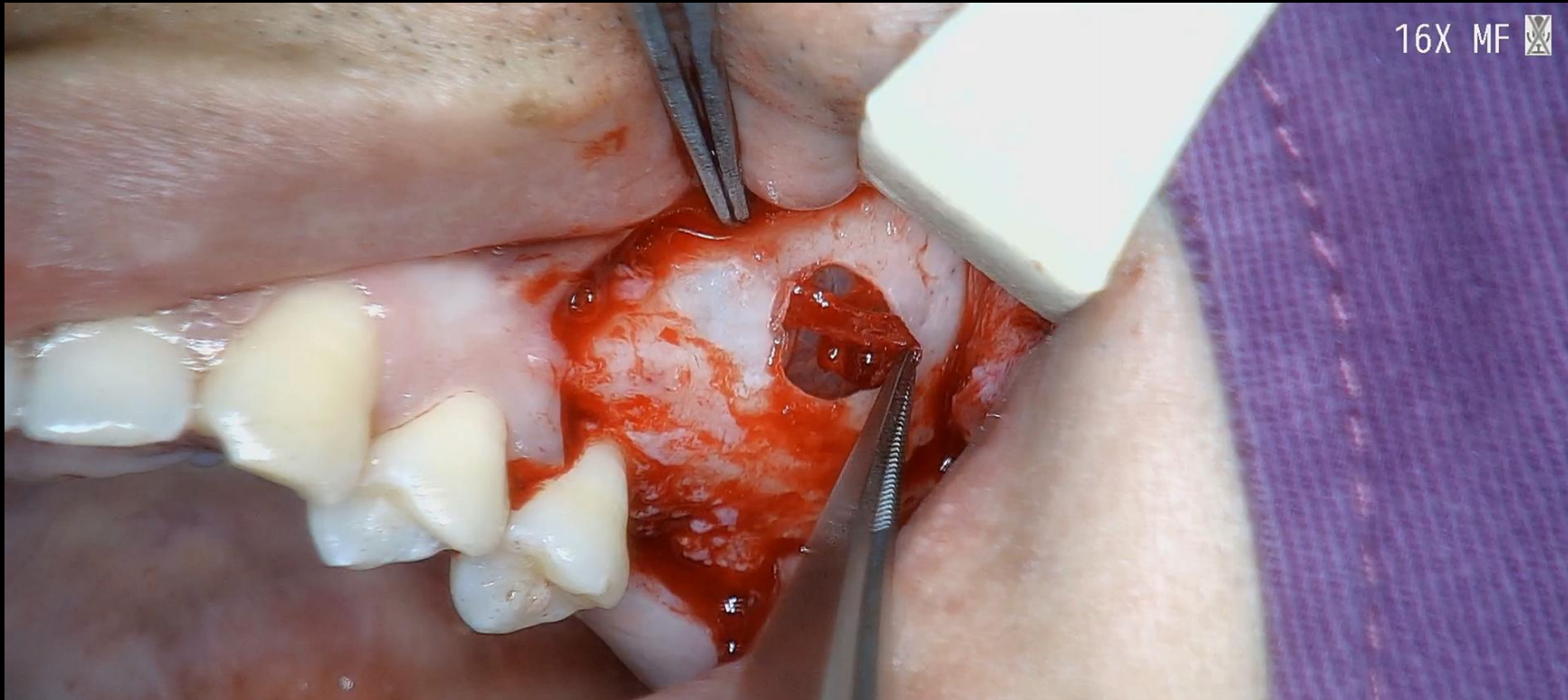
With MOCHEN's manual focus mode, the focus stays locked, eliminating image jumps and ensuring steady, precise microscopic operation

A special process

Coaxial

M o c h e n d e n t a l r e c o r d i n g s y s t e m

Coaxial lighting and recording ensure a shooting angle that aligns more closely with clinical needs



21X MF 



The light source of the MOCHEN DENTAL RECORDING SYSTEM reduces color deviations, accurately reproduces tooth colors, provides high-quality surgical views of teeth, surrounding tissues, and blood ,etc



Mochen dental recording system

Integration Design

More than just a microscope or a surgical light, the Mochen Dental Recording System unifies a shadowless lamp, ultra-HD camera, auto/manual focus, and a full imaging output port into one seamless device



Stronger

Stronger imaging capability



Better

a shooting angle that better
matches clinical practice



Faster

faster focusing
(Auto focus + Manual focus)



Mochen Dental Recording system

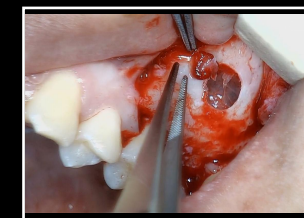
LIVE

Optical Zoom 1x-30x

Enjoy an ultra-fluid , immersive visual experience.

1080P

4K





Implant dentists

Periodontists

Prosthodontists

Oral surgeons

Dental assistants

Mochen Dental Recording system does not require dentists to change their operating habits and is suitable for all departments (Using a microscope requires specialized training, whereas Mochen Dental Recording system can be used immediately)

The Mochen dental recording system is an all-in-one device ideal for daily clinical practice, teaching, and case documentation, enabling dentists who do not use a microscope to still obtain high-quality imaging.

For implant clinicians, the main drawbacks of using a microscope include a restricted field of view, the need to stay attached to the eyepiece, constant refocusing, and disruptions to the surgical rhythm

“The advantages of

Mochen Dental Recording system are:

- ☑It is used just like a standard surgical light, yet it delivers microscope-level image recording.
 - ☑It does not interfere with the surgical workflow. With coaxial illumination and imaging (the light shines where the camera captures),
 - ☑it provides a critical advantage in implant surgery rooms:
 - ☑a natural shooting angle,
 - ☑no need for additional camera adjustments, and images that match the clinician’s line of sight.
- This is something a microscope cannot achieve.”

The Mochen dental recording system is the optimal configuration for implant surgery rooms

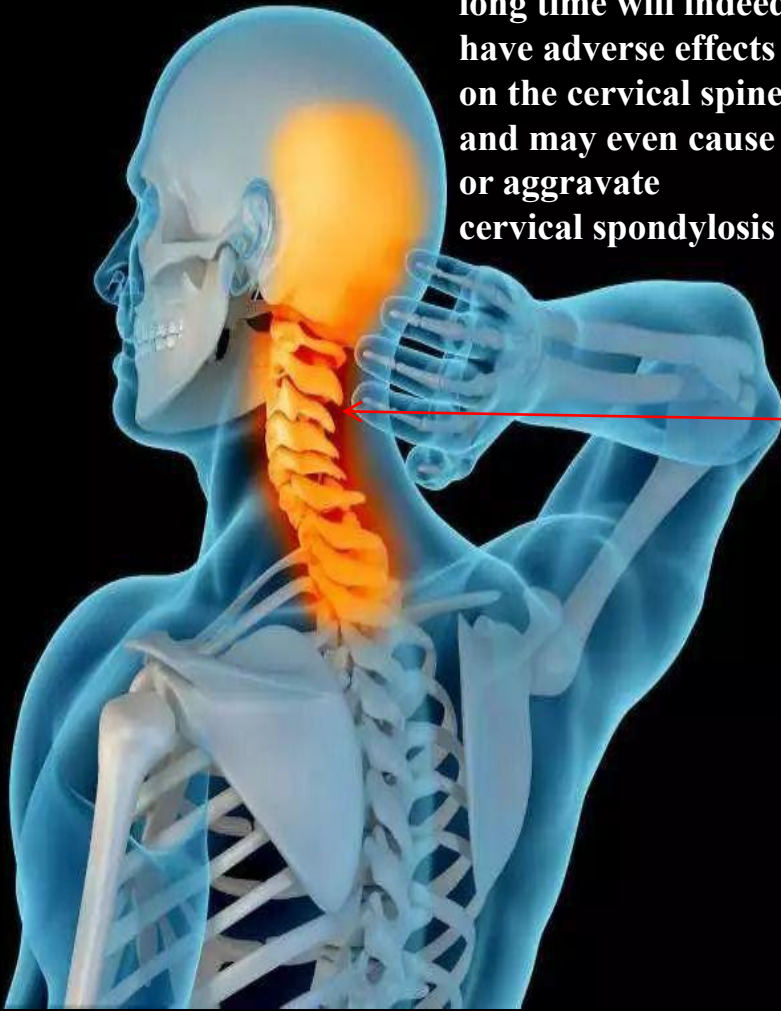


MOCHEN vs. Microscope vs. Surgical Light (Core Comparison)

Description	Surgical Light	Microscope	MOCHEN Dental Recording system
Magnification	X	★ ★ ★ ★	★ ★ ★ ★ ★
Auto Focus	X	X	★ ★ ★ ★ ★
Manual Focus	X	★ ★ ★ ★ ★	★ ★ ★ ★ ★
Focus Stability	X	★ ★ ★ ★ ★	★ ★ ★ ★ ★
ultra-high-definition imaging	X	★ ★ ★ ★	★ ★ ★ ★ ★
Color accuracy	X	★ ★ ★ ★ ★	★ ★ ★ ★ ★
Teaching/Live streaming	X	★ ★ ★	★ ★ ★ ★ ★
Ease of use	Easiest	Requires training	No need training user-friendly
Focus adjustment frequency	None	High (manual)	Low (automatic) more convenience
Field of view	Large	Small	Large
Cost-effectiveness	Low	Highest	Medium
Applicable Scenarios	Basic lighting	Endodontic treatment and microsurgical procedures	Restorative dentistry Implant dentistry General dental procedures

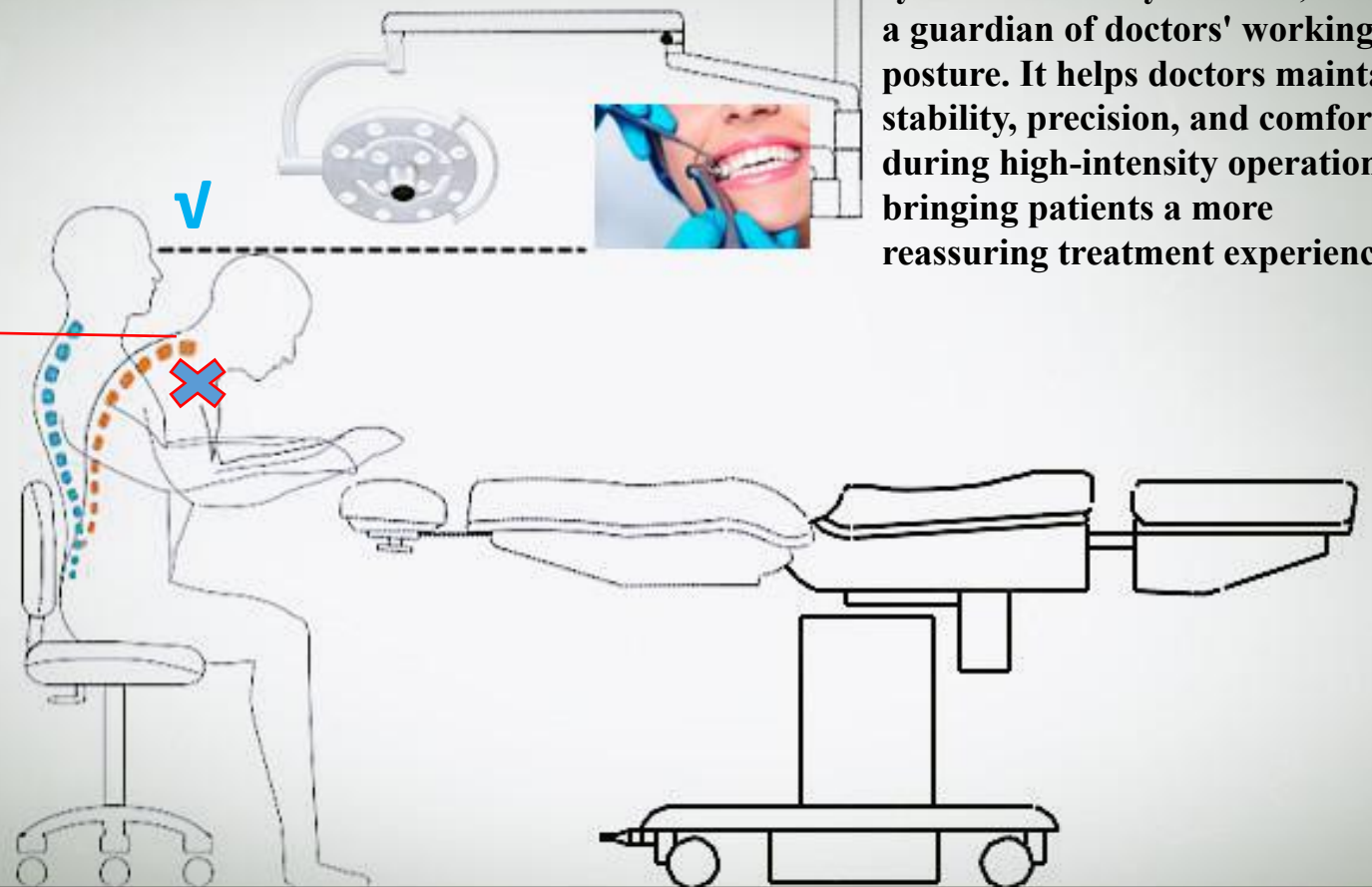


Working with your head down for a long time will indeed have adverse effects on the cervical spine and may even cause or aggravate cervical spondylosis



Working in a high-intensity, close-range, and continuously focused environment for a long time can easily lead to visual fatigue.

Mochen Dental Recording system(LED-10)



The Mochen dental recording system is not only a device, but also a guardian of doctors' working posture. It helps doctors maintain stability, precision, and comfort during high-intensity operations, bringing patients a more reassuring treatment experience.

Comprehensive digital dental solutions with Mochen dental Recording system



Periodontics



Implantology



Oral Surgery



dental education

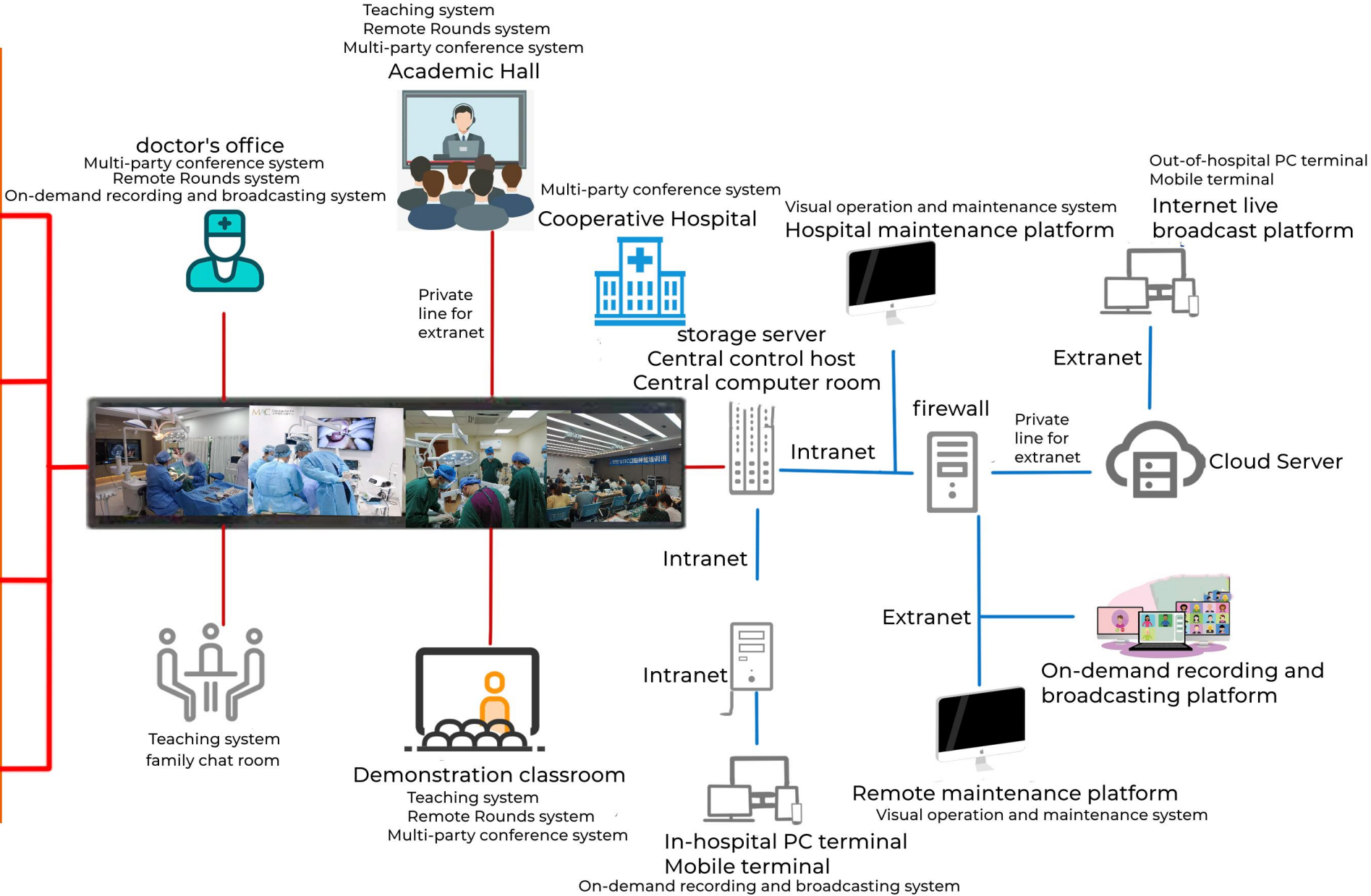
①

②

③

④

Operating Room





Application :Surgery

Model : LED-10

Mochen dental recording system in dental implant surgery

Mochen Dental Recording System 3-in-1 Integration

Helping you save on the overall procurement costs

of :

microscope☑

Surgical light☑

video camera☑

The Mochen Dental Recording System offers several advantages when used in dental implant procedures, especially for clinics aiming to enhance precision, documentation, and patient communication. Here's a summary of its key benefits:

Advantages in Dental Implant Applications

Enhanced Visibility and Accuracy Combines a high-resolution camera with a safe, shadowless light source to illuminate the surgical field clearly—helping clinicians visualize fine structures and subtle tissue changes during implant placement.

Real-Time Recording and Documentation Enables HD video recording and photography during procedures, which supports clinical documentation, patient education, and legal compliance.

Integrated Design The 3-in-1 system replaces the need for separate microscopes, surgical lights, and cameras—saving costs and simplifying setup.

Zoom and Focus Capabilities Offers optical zoom up to 30x and both manual and auto focus, allowing clinicians to adjust clarity and detail as needed.

Streaming and Sharing Supports HDMI and RTSP streaming protocols, making it easy to share procedures with colleagues or trainees in real time. **Educational Value** Facilitates training and collaboration by providing clear visual records of implant procedures, which can be used for teaching or remote consultation.





Application: Education
Model : DCR-1,LED-10

Mochen dental recording system use in HKUDentistry, MOI(Master in Oral Implantology)

Mochen Dental Recording System 3-in-1 Integration

Helping you save on the overall procurement costs

of :

microscope☑

Surgical light☑

video camera☑



HKU Dentistry
Faculty of Dentistry · The University of Hong Kong
香港大學牙醫學院



©Modern educators utilize tools that help them to convey complex messages in easily understandable format. Real videos from the dentists' viewpoint explain more than any words and illustrations.

©They can be shared and repeated as many times as needed - until a dentist or a student has learned the subject.

©Enhancing the learning and training opportunities for surgeons and medical students by allowing them to review and analyze the recorded videos or watch live video



Application: Communication

Model : LED-10

Mochen Dental Recording system Improve doctor-patient communication

Mochen Dental Recording System 3-in-1 Integration

Helping you save on the overall procurement costs

of :

microscope☑

Surgical light☑

video camera☑

© Reassuring your patients by focusing on them and their situation;

© Showing and explaining what you see and do ;

© Involving your patients fully in the treatment decisions.

© Storing and sharing videos and pictures for further use.





Application: Training

Model : DCR-1

Mochen dental recording system in bone augmentation training

Mochen Dental Recording System 3-in-1 Integration

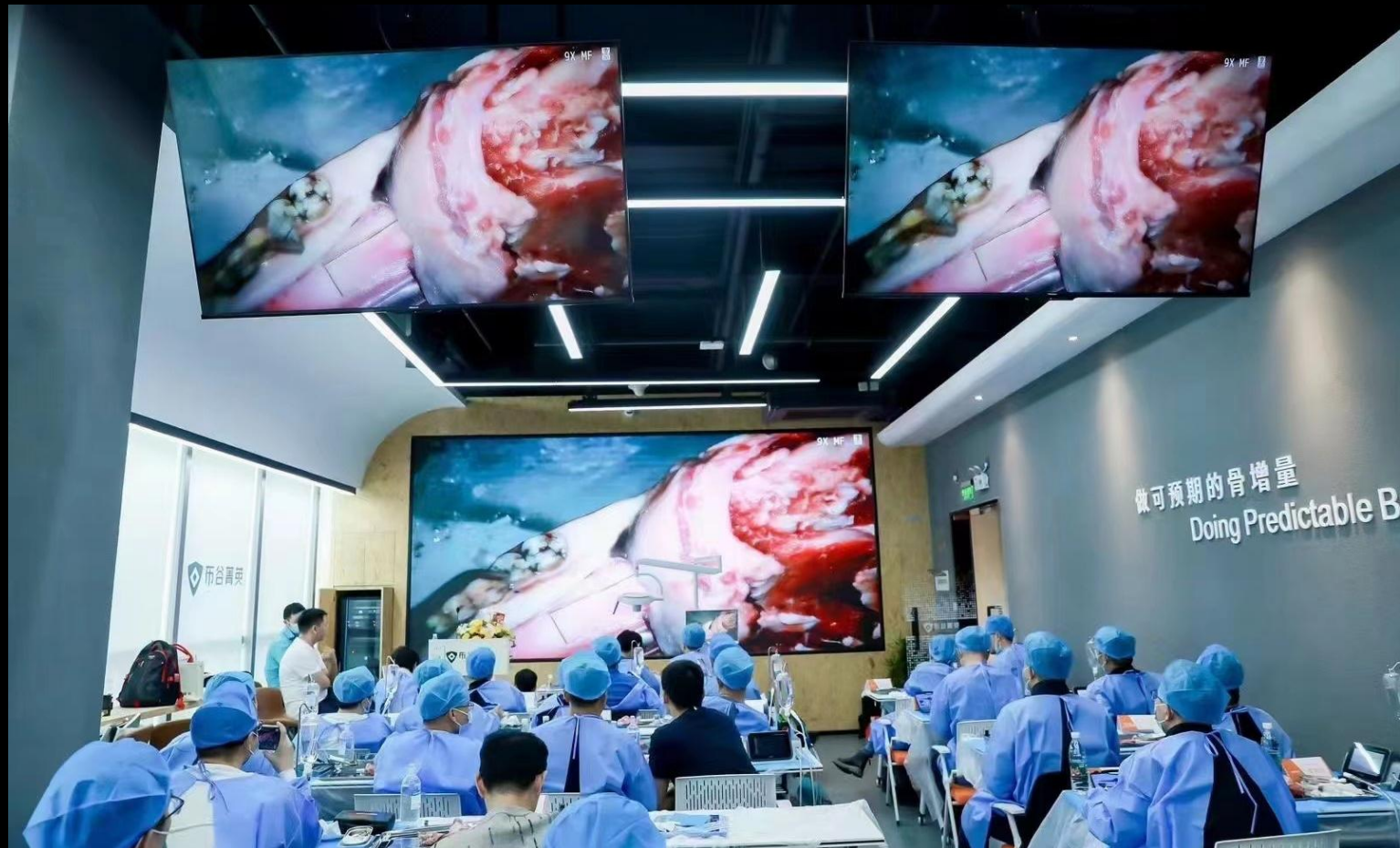
Helping you save on the overall procurement costs

of :

microscope☑

Surgical light☑

video camera☑



©Authentic videos and images show exactly what you see, do and mean ; Concrete visual cases interest and inspire students and other professional audiences; Own dental videos and images are easy to shoot, store and share ; Secure digital workspaces provide an excellent ground for modern professional education Recording videos and taking still images during the dental Work



Application :academic

Model : DCR-480

Mochen Dental Recording system in academic communication

Mochen Dental Recording System 3-in-1 Integration

Helping you save on the overall procurement costs

of :

microscope☑

Surgical light☑

video camera☑

© Teaching how to approach and tackle complicated oral health problems and situations is a challenging task. Professional educators know that usually the short moments of a lecture are not enough for students to absorb the huge amount of new information. However, great learning results can be achieved today by innovative use of the educator's own video cases.





Application : Exhibition *demonstration

Model : LED-10

Mochen dental recording system use in Teeth whitening demonstration in exhibition

Mochen Dental Recording System 3-in-1 Integration

Helping you save on the overall procurement costs

of :

microscope ☒

Surgical light ☒

video camera ☒



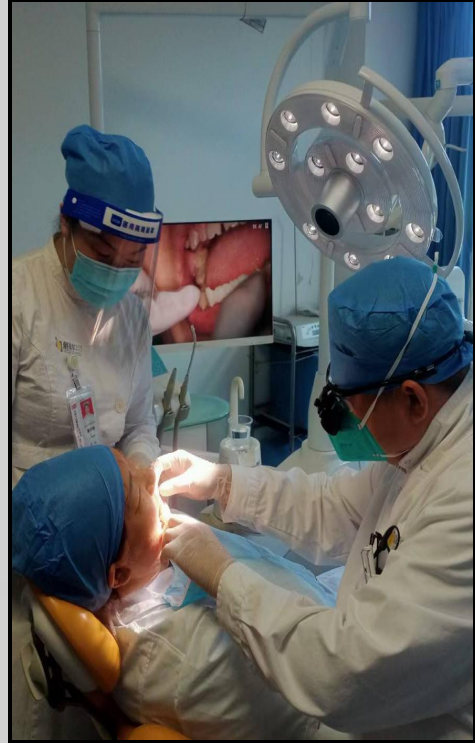
©Visitors can interact with the recording systems, providing a hands-on experience. This interaction helps in understanding the practical applications and ease of use of the technology or product can lead to direct sales and long-term business relationships.



Mochen Dental Recording System 3-in-1 Integration
Helping you save on the overall procurement costs
of :
microscope☑
Surgical light☑
video camera☑

More Application Cases : General surgery , Orthodontic,
Maxillofacial surgery,Mucogingival surgery,Pediatric Dentistry,
Periodontal surgery;Root canal therapy; Dental periapical surgery,etc





= LED-10
dental recording system
Surgery & Education

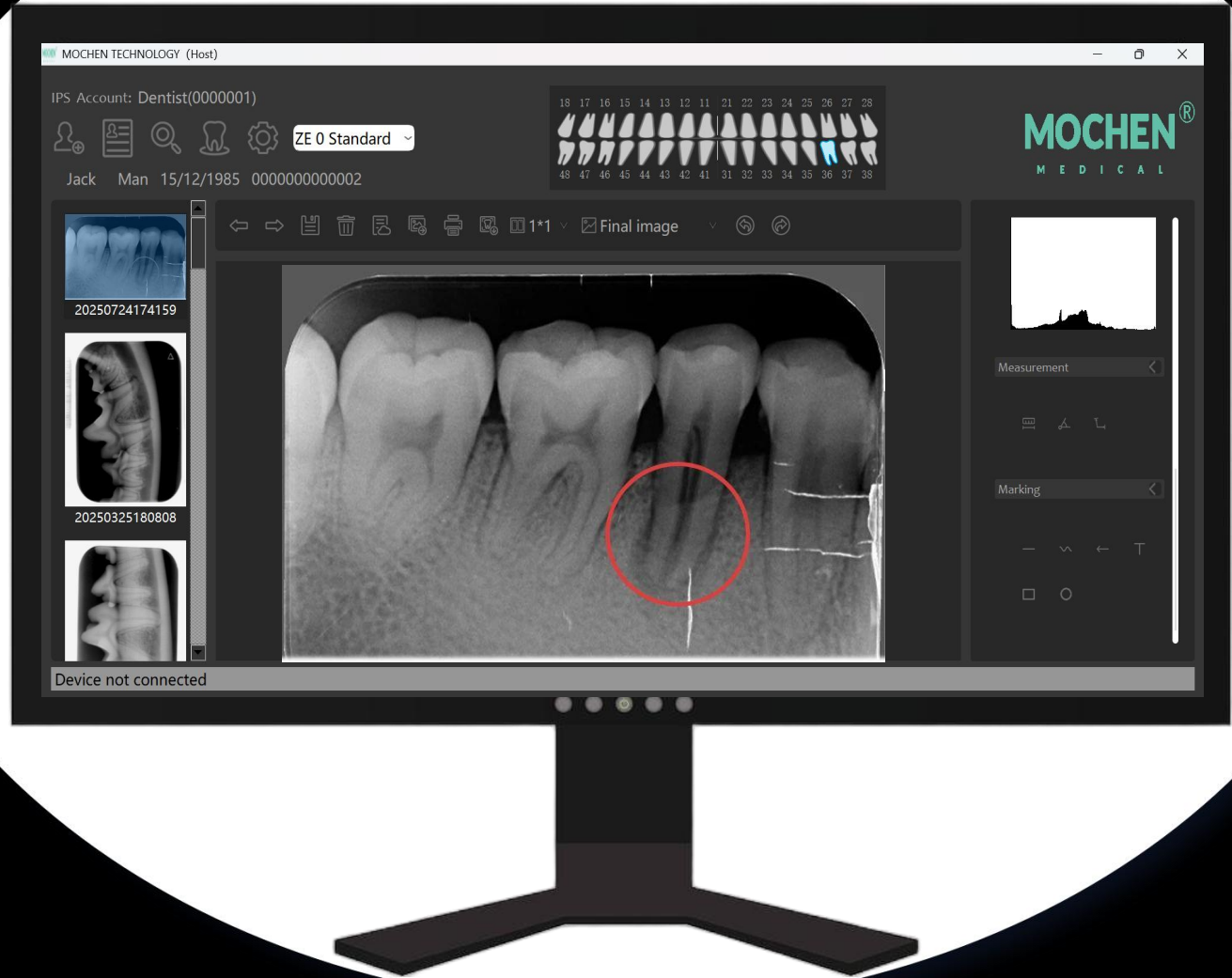


Diagnosis
=MC1 Scanner and X ray

**Part 2
Diagnosis**



**MC1-PSP Scanner
and X Ray offer high
quality X ray image**

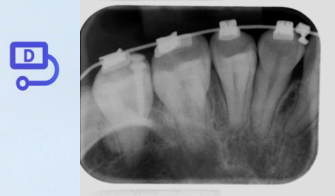


**The radiolucent area (black zone) circled around the root apex on the radiograph indicates periapical inflammation.
Root canal therapy is recommended to eliminate the source of infection . More details contact (+86) 13603066591**

DIGITAL INTRAORAL SENSOR

20 μ m Pixel Pitch | Up to 25 lp/mm

Smart AED Exposure



Key Features:

- High-Resolution Imaging

25 × 30 mm active area with 20 μ m pixel pitch ensures sharp, detailed images.

- Smart AED Technology

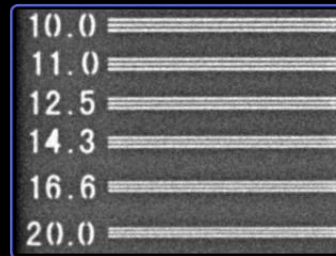
Automatic exposure detection for consistent image capture and simplified workflow.

- Radiation-Hardened Sensor

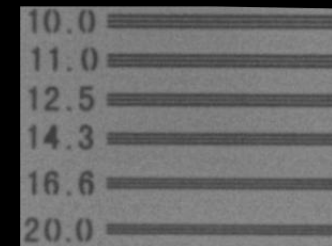
Designed for long-term stability with a radiation lifetime of ≥ 500 Gy.

- Plug-and-Play USB Connection

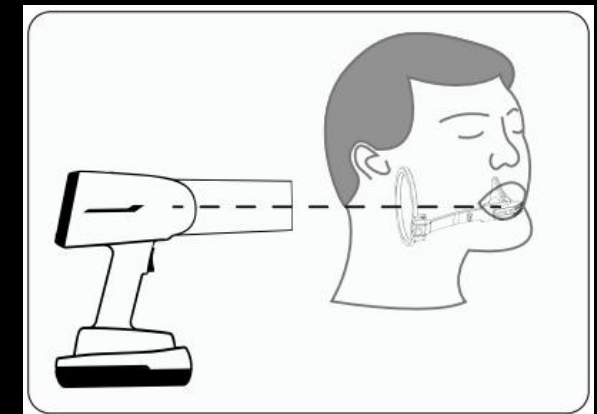
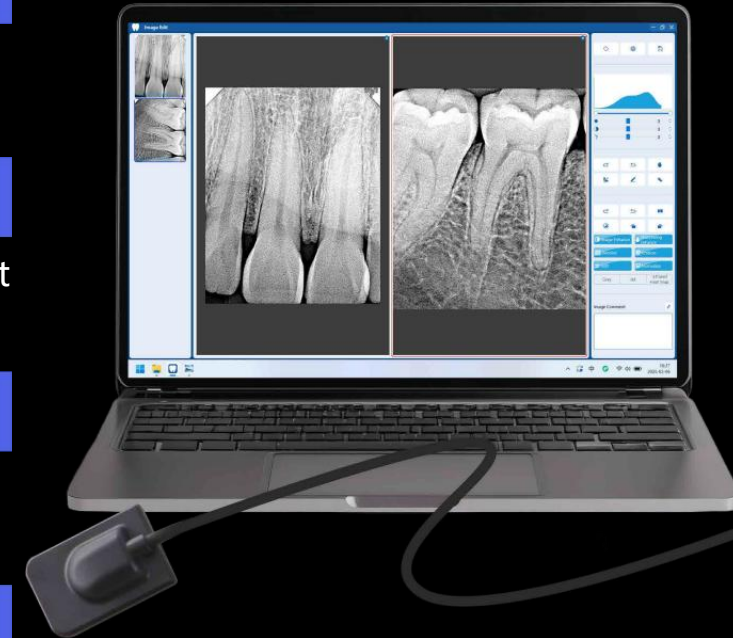
USB 2.0 interface, compatible with standard dental X-ray generators.



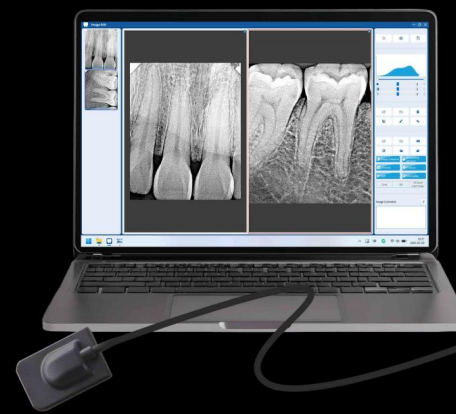
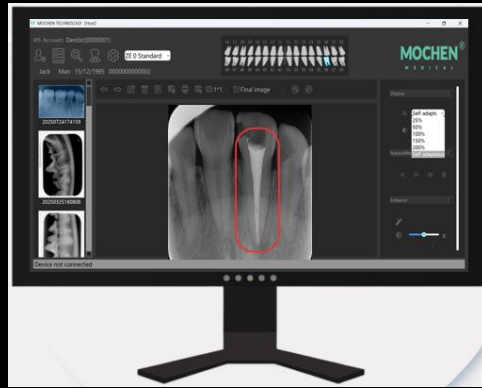
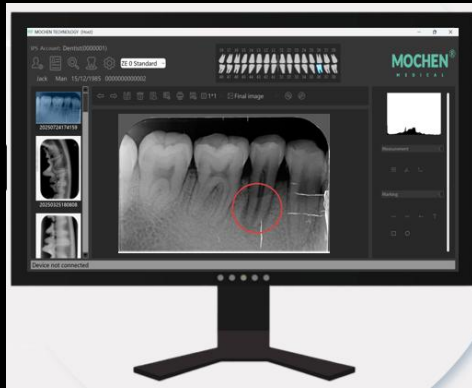
our sensor



Other



Hands-free sensor positioning, patients bite comfortably for stable and safe operation



Choose

☐ MC1+E2

☐ IPS1+E1

☐ _____

☐ _____

☐ _____

☐ _____

☐ _____

☐ _____

☐ _____

☐ _____

☐ _____

☐ _____



IPS1



MC1



E1



E2



E3

Scanner

Sensor

X Ray

Part 3 : Restorative Dentistry



Fixed Restoration

All ceramic

ZIRCONIA Crown E.Max crown. Veneer , Inlay
CAD /CAM Peek Crown ,Bridge

Metal

3D PRINTED COCR SERIES
3D PRINTED TITANIUM SERIES
CAD /CAM TITANIUM CROWN / INLAY

Implant Restoration

IMPLANT SURGICAL GUIDE
CUSTOM ABUTMENT (TITANIUM,ZIRCONIA)
MILLEDIM PLANT BRIDGE

CUSTOM REMOVABLE RESTORATION

3D PRINTED TITANIUM
FRAMEWORK
CAD/CAM TITANIUM FRAMEWORK
CAD/CAM Peek FRAMEWORK
VALPLAST ACRYLIC DENTURE

ORTHODONTICS

Night Guard
Retainer
Sports Mouthguard



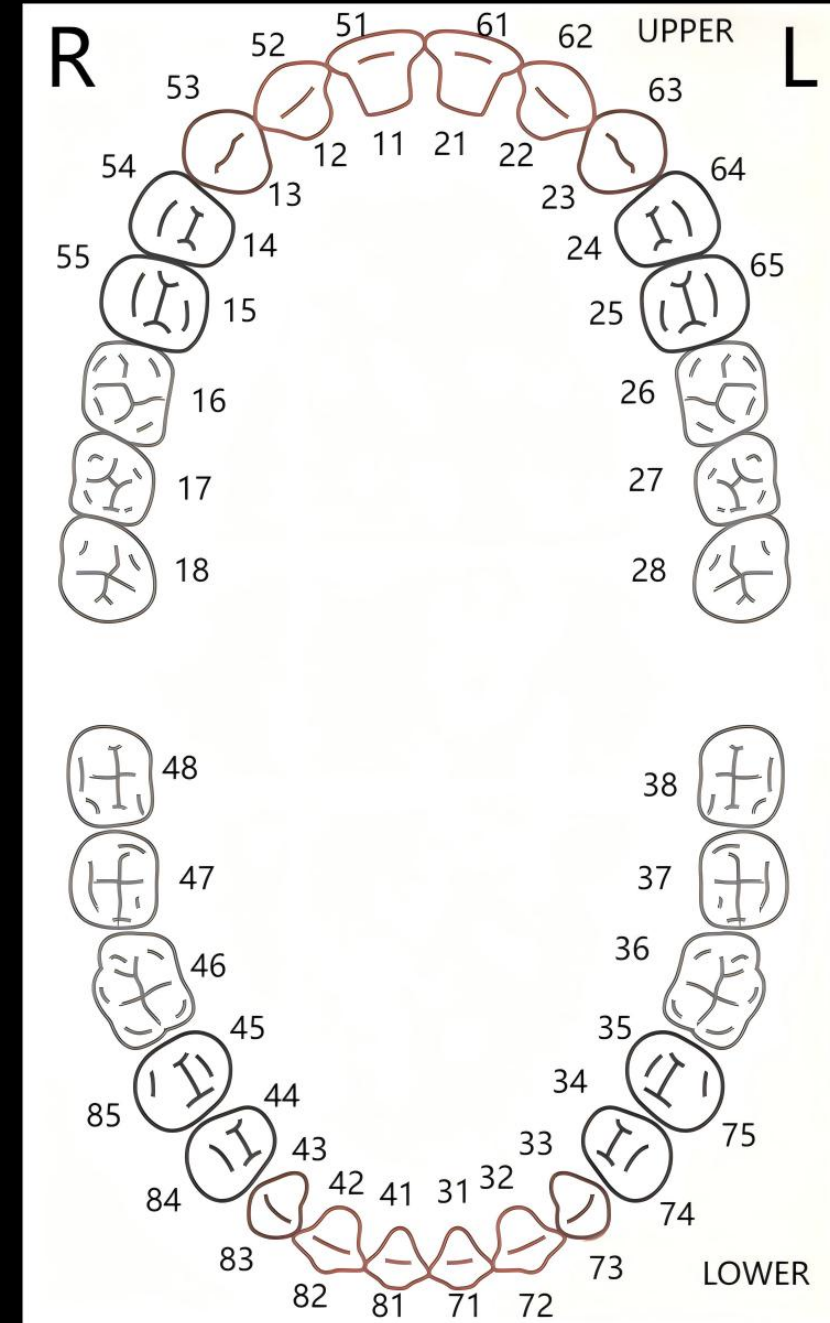
please write your requirement to us

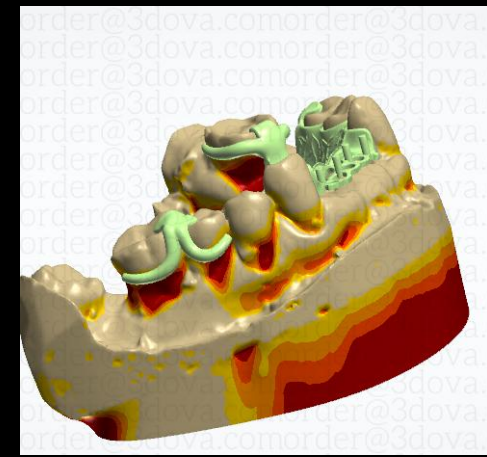
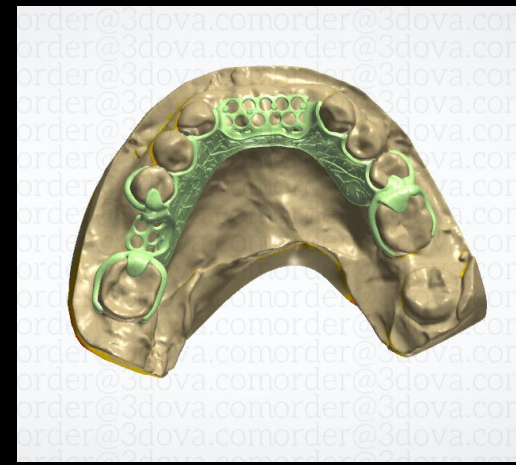
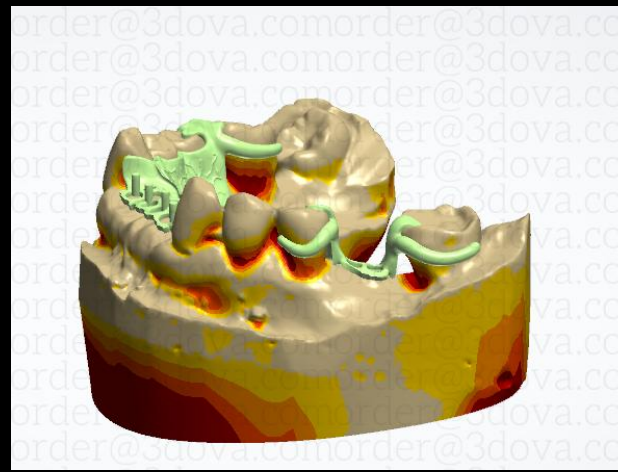
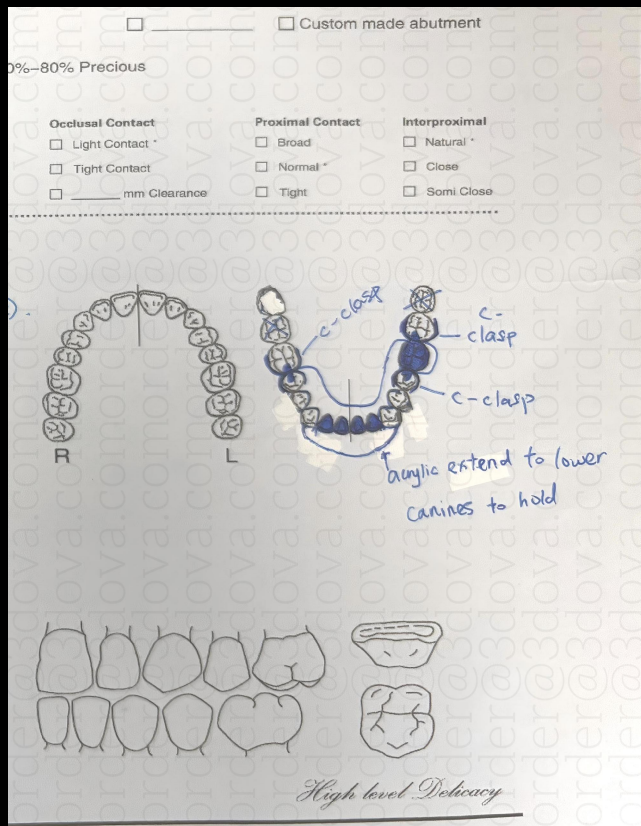
all scan date email to enidwray_manufacturer@outlook.com

Shining 3D / Alliedstar / Medit / account : enidwray_manufacturer@outlook.com

Impression / dental Model Send to 502 Bldg8,Lianchuang Science and Technology

Park,No.21,Bulan Road ,South Bend Street,Longgang District-518112,Shenzhen,China

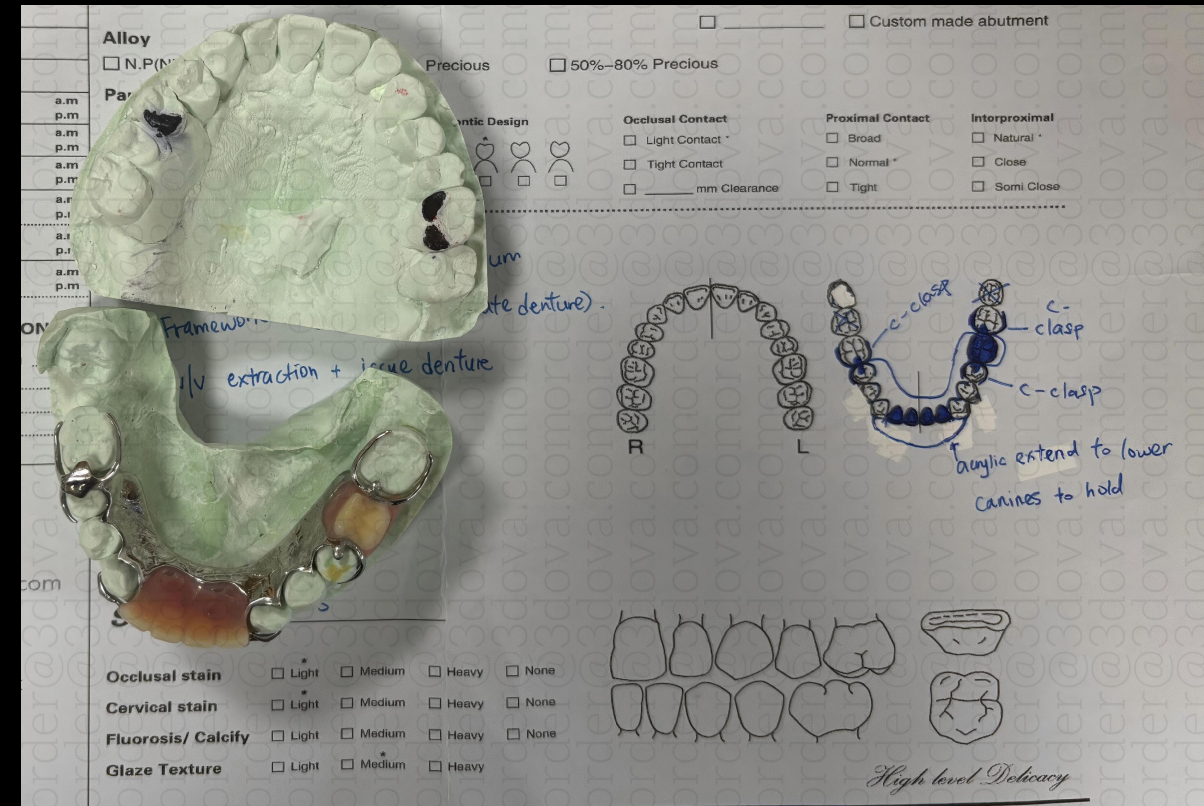




- ① Requirement ↓
- ② Design ↓
- ③ Produce ↓
- ④ Delivery ✓

Doctor/dentist's requirement
please construct lower
vittallium framework + 5 teeth
(Immediate denture)

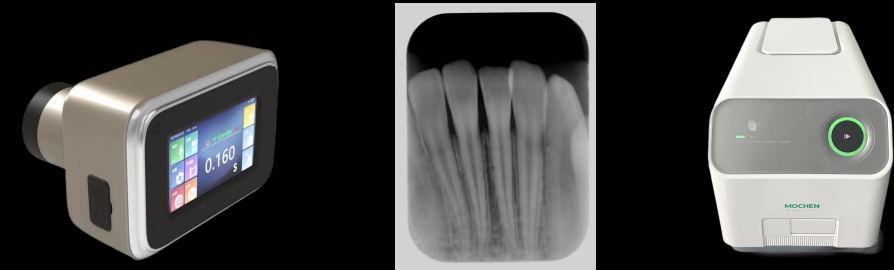
N/V extraction + issue denture



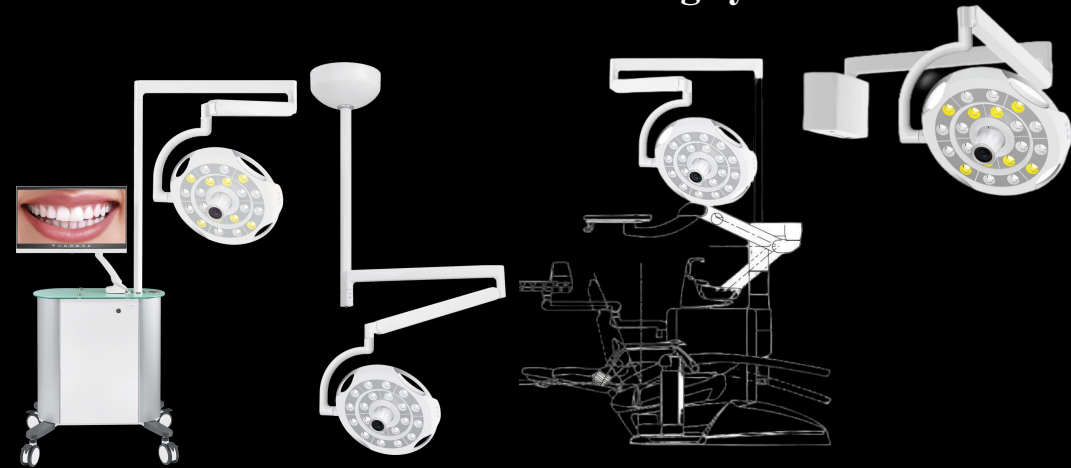


Digital solutions are ongoing

☑ **Diagnosis** choose Mochen Scanner / sensor and X ray



☑ **Surgery/education :**
choose Mochen Dental Recording system



☑ **Dental restoration :**chosse mochen: Implant zirconia crown
+ Denture + Titanium framework+Veneer +Retainer





Enid
WhatsApp business account



Scan this code to start a WhatsApp chat with Enid.

order@3dova.com