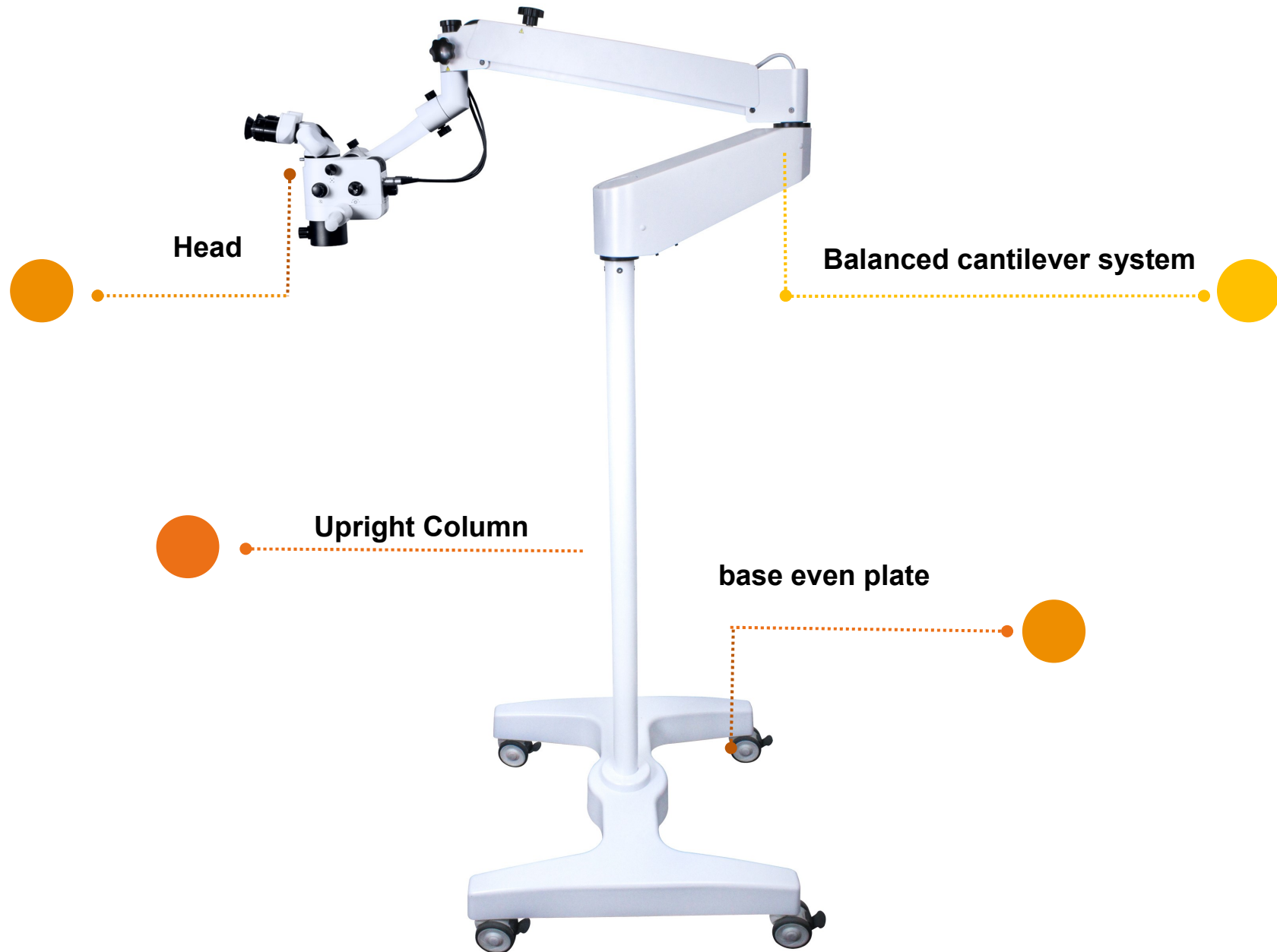


Dental / ENT Operation Microscope



Microscope Structure





America LED



Germany spring



Germany lens



Japan Electronic
components



Imported Connector



90V - 230v
Wide voltage



20 years optical design

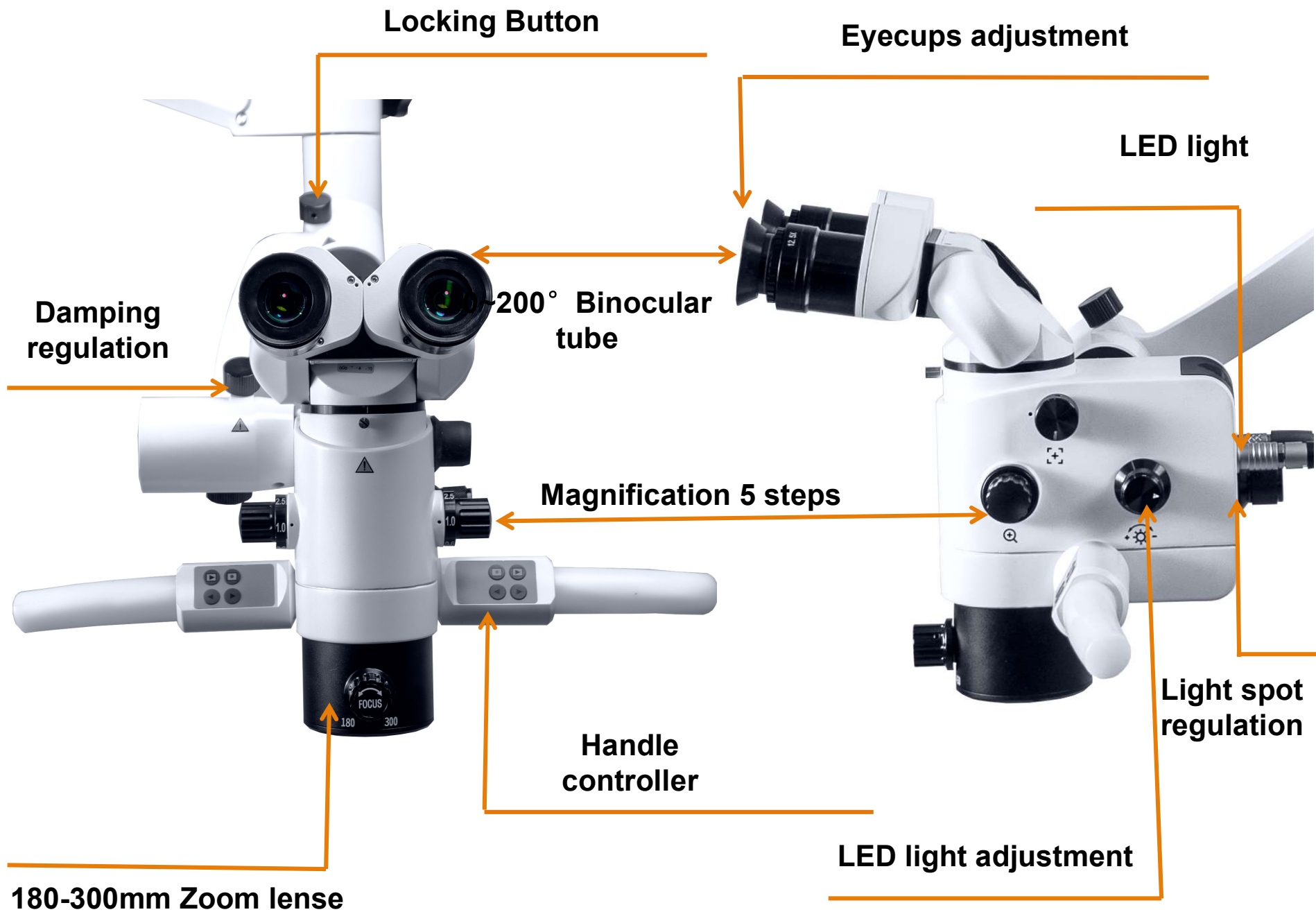
ASOM-510-6E Features

Dental/ Stomatology /ENT/ Decorative Surgery

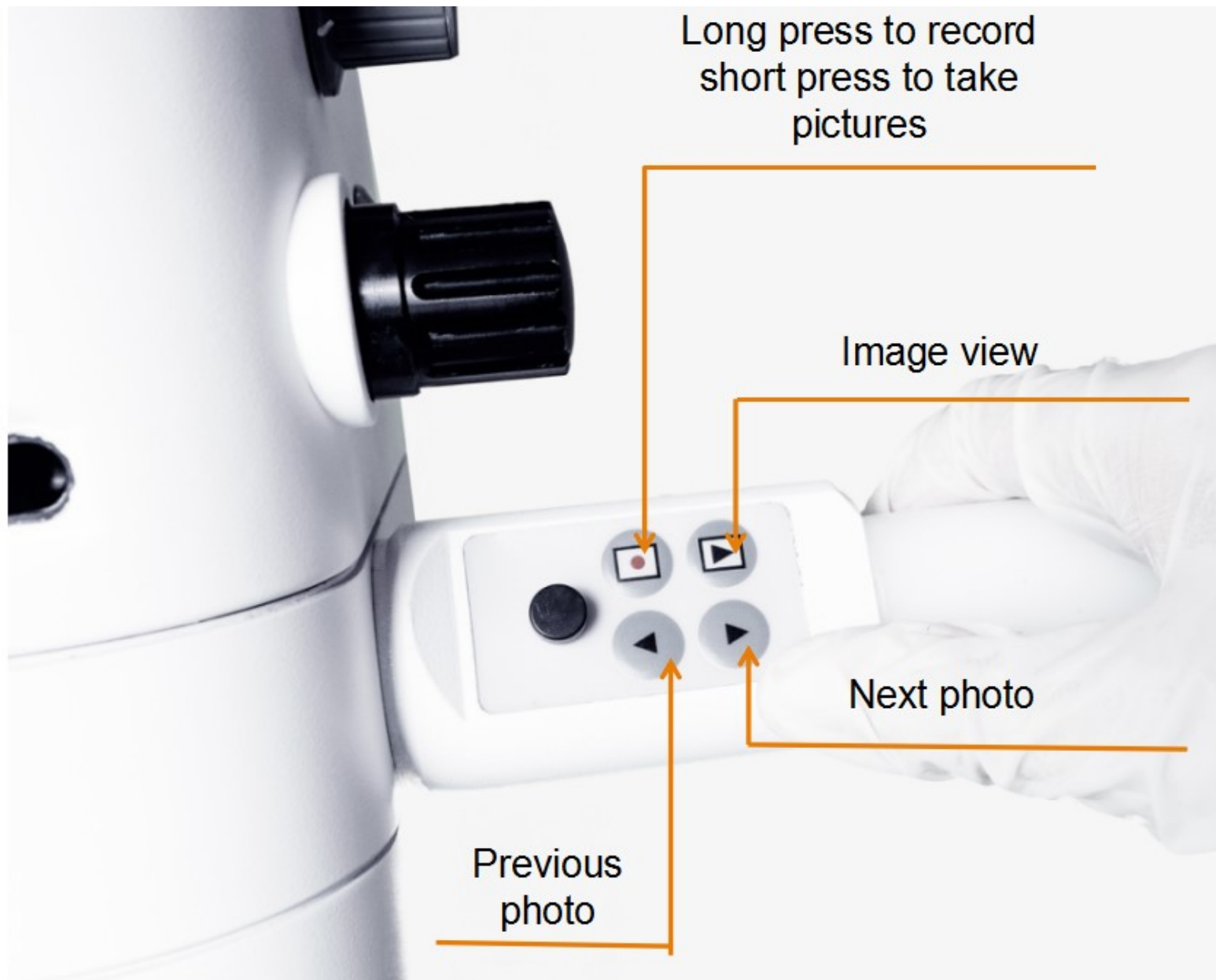
- Military optical quality, high definition, high brightness, and ultra large depth of field
- 100 thousand hours ultra long life LED light source
- The frame is small, beautiful, and flexible in movement
- Build in 4K CCD camera system
- 180-300mm ultra large range zoom lens



ASOM-510 surgical microscope: high resolution and high resolution optical system with strong stereo sense and deep depth of field. LED cold light lighting, brightness continuous adjustable, manual drum turn times. The machine is small, flexible and convenient to move. It is suitable for the microsurgical operations in the Department of Stomatology Dental and the Department of ENT.



Build-in 4K CCD Camera system

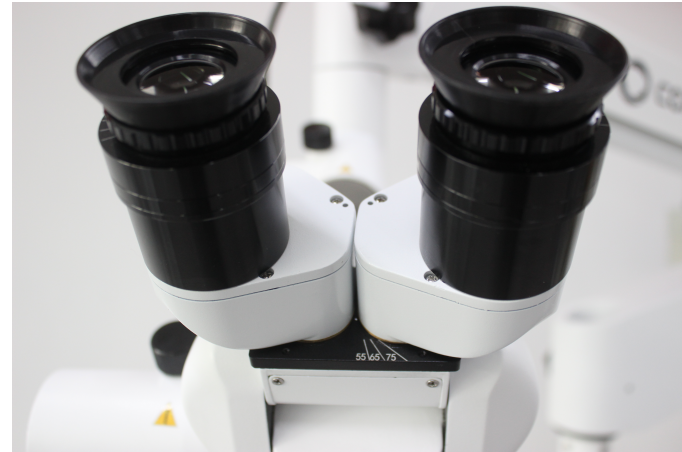




Adjustable eyecup in eyepiece suitable for with glass and without glass



Zoom lense 180-300mm or 200-500mm



Pupil distance 55mm~75mm



Diopter adjuatable +/-6D

0~ 200° Binocular

It allows the clinician to choose the best angle of posture to create a comfortable and favorable operating environment.

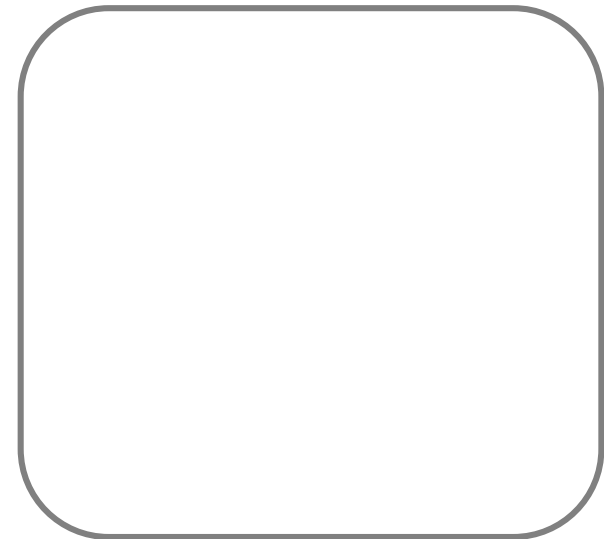


Super 120 degree balancing arm

Sures a smooth, fluid and perfect balance during repositioning of the microscope. The head easy to stop at any position



Counter-balanced
pantographic arms
design and tension
control adjustable
connection arms, head
can be easily move and
stop at any position
smoothly.



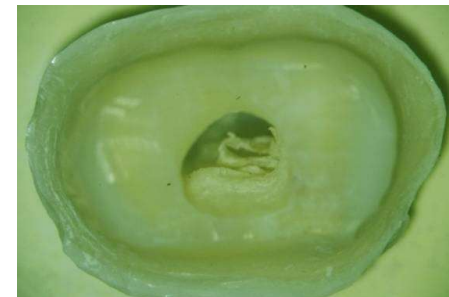
LED light source

Long life medical LED white light source, high color temperature, high color rendering index, high brightness, high degree of reduction, long time use and no fatigue. Compared with traditional halogen lamp, it is more suitable for Department of Stomatology operation needs. LED energy consumption is low, the service life can be up to 100 thousand hours.

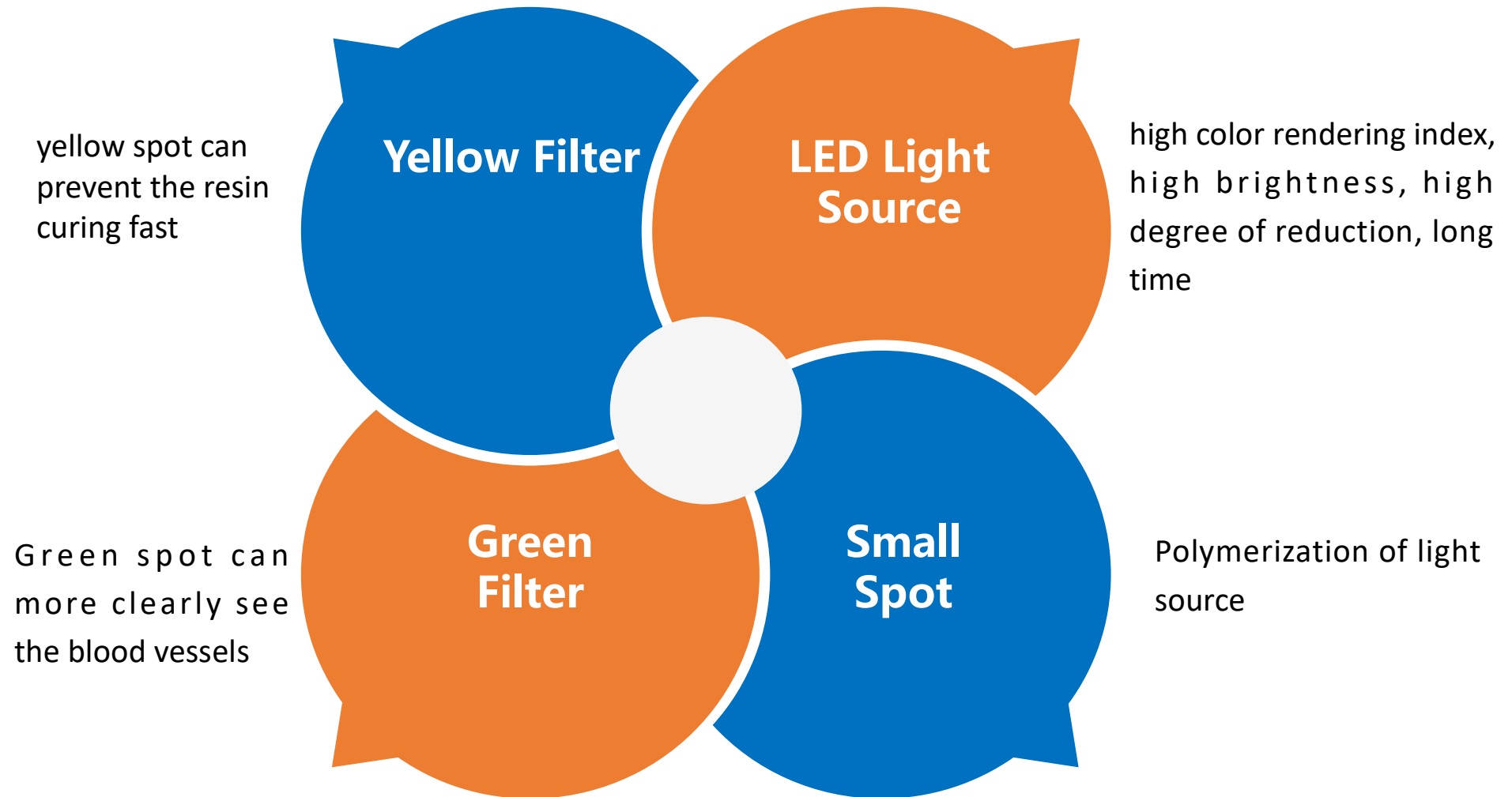


Color filter

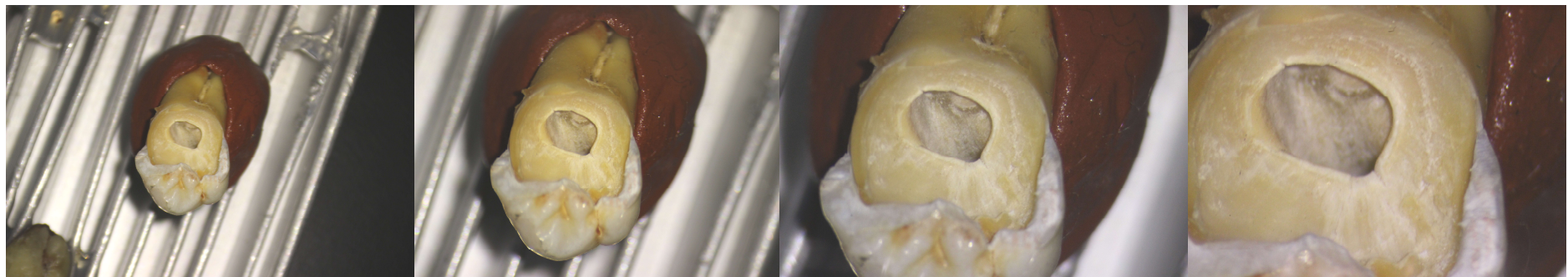
Built in yellow and green color, yellow green color, adjust the ordinary paddles through the built-in button, yellow spot can prevent the resin curing fast, green spot can more clearly see the blood vessels under the environment.



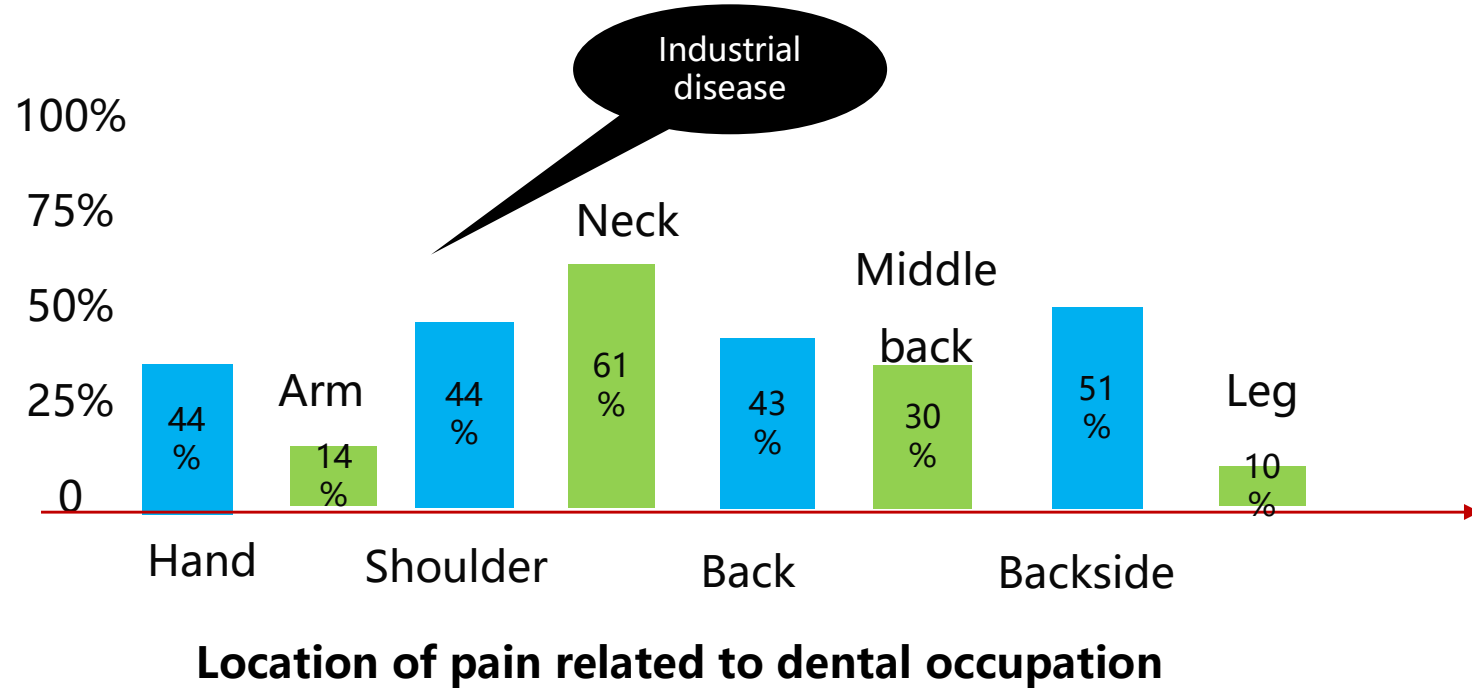
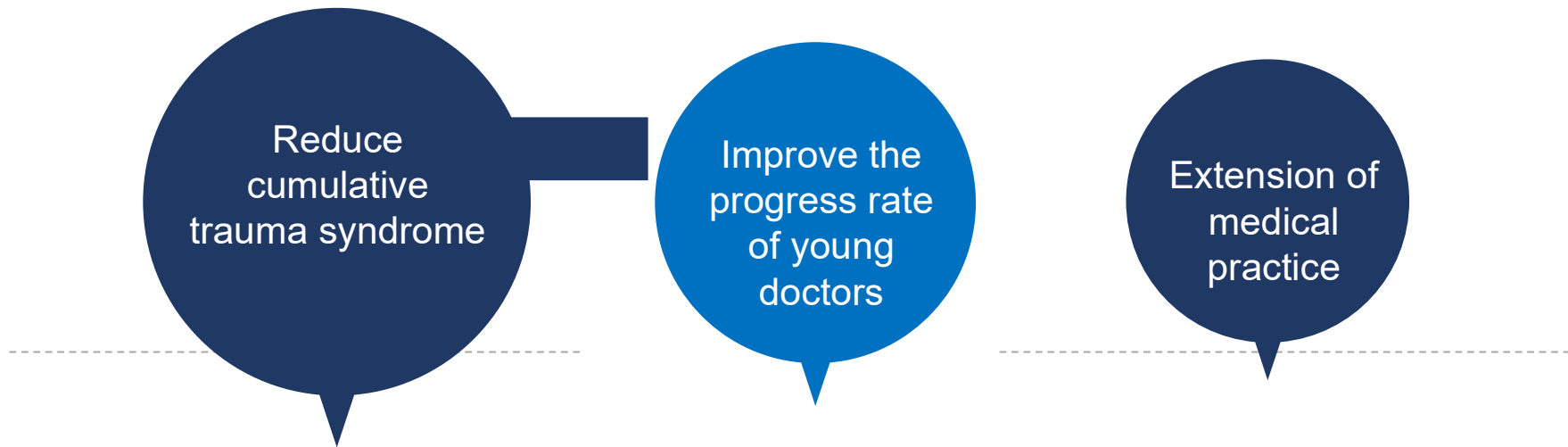
Filter



Magnification



Why use microscope



Application of dental microscope

Looking for missing root canal

Removal of plasticizer from root canal

Dredge calcified root canal and the passage of root canal steps

Removal of broken instruments in root canal

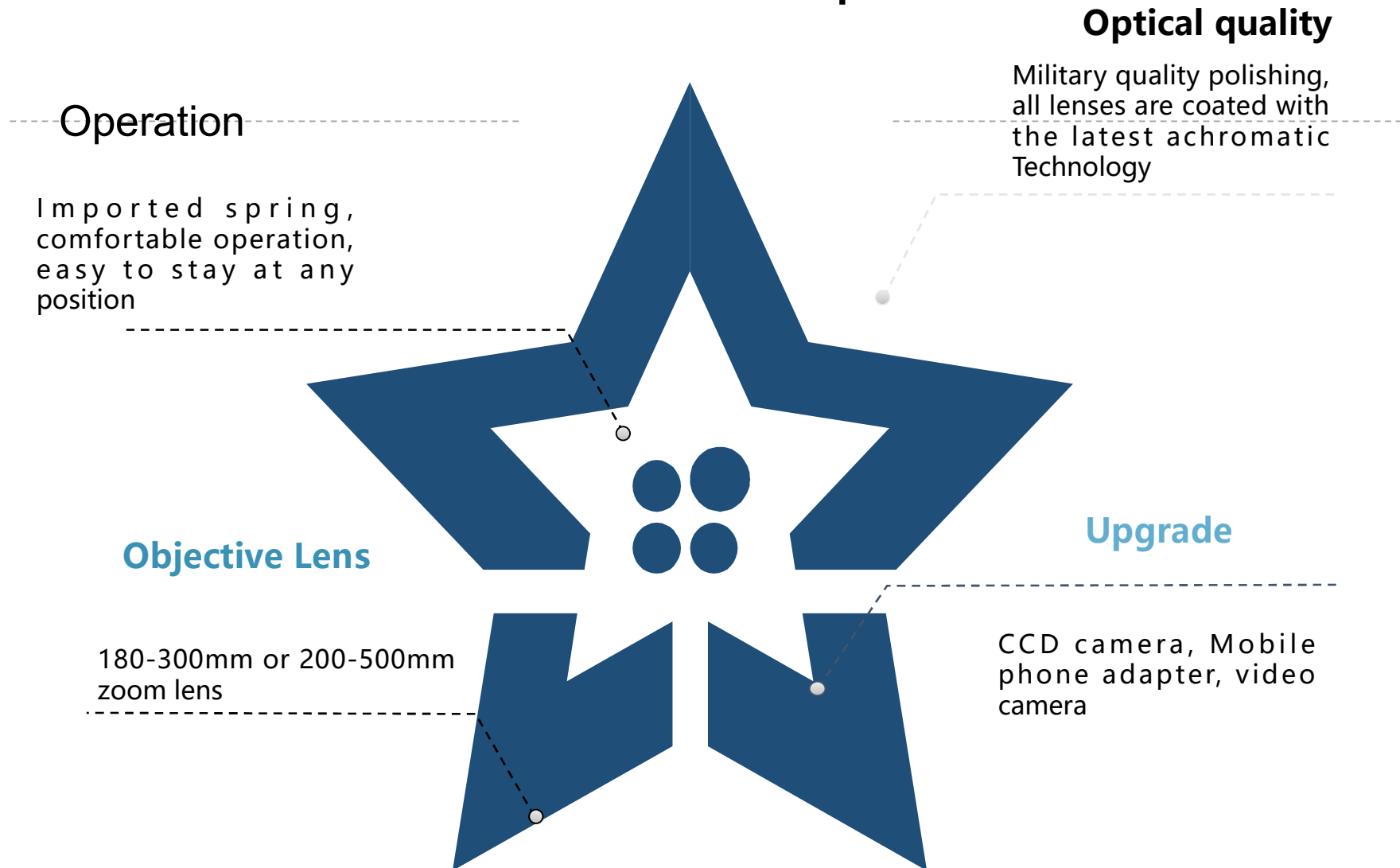
Repair perforation

Micro apical surgery

Microsurgical repair

Microperiodontal

How to choose microscope



Technology

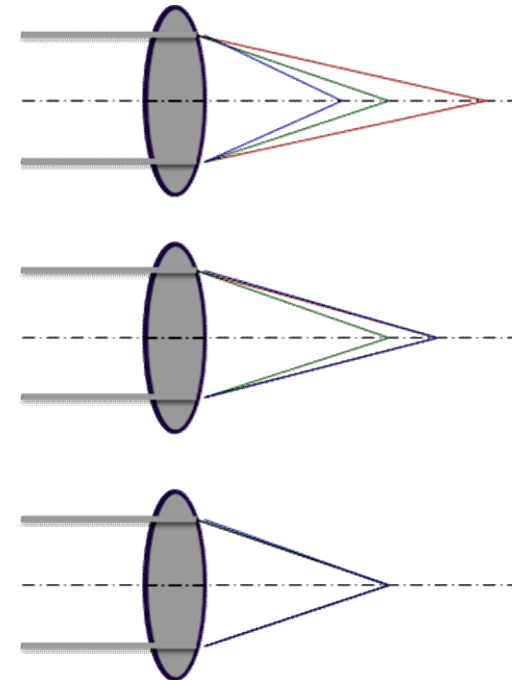
- Multilayer coating technology, the light transmittance is up to 98%



Through multilayer coating technology, we can reduce light reflection attenuation, increase light transmission and improve brightness. The multilayer coating technology we use can achieve optical energy passing rate of 98%.

- Complex achromatic objective lens

Optical design of apochromatic correction can not only red green and blue three colors. Can correct the aberration of red, blue two color lights. Improve image resolution, contrast and depth of field



Configuration

Model:ASOM-510-6E

Dental/ Stomatology /Decorative Sursery



Eyepieces

magnification 12.5x, pupil distance adjustable range 55mm~75mm, diopter adjustment range +6D ~ -6D.

Binocular tube

0~200° binocular tube

Magnification

5 steps magnification 3.6x,5.4x,9x,14.4x,22.5x; field of view 55.6mm,37.1mm,22.2mm,13.9mm,8.9mm

illumination

LED cold light, strong light, longer lifetime, brightness adjustable infinitely, illumination diameter of light spot $\Phi 70\text{mm}$, illumination intensity $\geq 60000\text{lux}$, field of view $\Phi 53\text{mm}$, $\Phi 32\text{mm}$, $\Phi 20\text{mm}$
build-in small-spot, both blue and yellow light filter.

Objectives

F=180-300mm

Rotating head for all direction

operate by two handles, free and easy to operate in 0-360°

Maximum length of arm

1100mm

Build in 4K CCD Camera system

Certificate

SGS

Reference: GZES1909023551ME
Page 1 of 1

VERIFICATION OF CONFORMITY

Products Operating microscope
Tested by request of Chengdu Corder Optics & Electronics Co., Ltd.
Gaofa Building, 6th JiuXing Road, High-tech Zone, Chengdu,
Sichuan, China
Manufactured at Chengdu Corder Optics & Electronics Co., Ltd.
Gaofa Building, 6th JiuXing Road, High-tech Zone, Chengdu,
Sichuan, China
Trade mark 
Model/Type Ref. ASOM-510, ASOM-520, ASOM-510
Ratings and principal characteristics: 230V AC; 50Hz; 40VA
Additional information: --

Representative sample(s) for identified model as above listed have been tested and found to be in conformity with applicable requirements of following standards:

IEC 60601-1:2005 + A1:2012
EN 60601-1:2006 + A1:2013
except the following sub-clauses were not evaluated:
Clause 11.7 Bio-compatibility
Clause 12.2 and 15.1 Usability
Clause 14 PEMS.

as shown in the test reports: GZES190902355101

This Verification of Conformity is the result of testing a sample of the product submitted, in accordance with the provisions of the relevant specific standard. It does not imply an assessment of the whole production. Conformity of the produced products with the specimen tested remains on the full responsibility of the manufacturer



Jason Hoo
Laboratory Manager
SGS-CSTC Standards Technical Services Co., Ltd. E&E Lab Guangzhou
2021-08-04

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Member of SGS Group (Société Générale de Surveillance)

Note: You may contact us to validate this document by email address: EE.guangzhou@sgs.com

Form: SGS-MED-OP-001-F12
Version: 1.0 / Date: 2020-05-15


REGISTRATION NO. 04720Q10545R55


CERTIFICATE OF QUALITY MANAGEMENT SYSTEM

This is to certify that the quality management system of



Chengdu Corder Optics & Electronics Co., Ltd.
Registered Address: Gaofa Building, 6th JiuXing Road, High-tech Zone, Chengdu, Sichuan,
China Postcode: 610093
Manufacturing Address: Secondary floor Room 201-203/205-211/216, No 187 Section one
Changcheng Road, West Airport Economic Development Zone, Shuangliu County, Chengdu,
Sichuan, China

Has been assessed and conformed to the following standard(s)
GB/T 19001-2016 idt ISO 9001:2015

The certificate is valid for the following scope:
Design development product and service of operating microscope.
Date of issue: January 19, 2021
Date of expiry: January 18, 2024

General Manager: 

BEIJING HUA GUANG CERTIFICATION
OF MEDICAL DEVICES CO., LTD.

  中国认可
国际互认
管理体系
MANAGEMENT SYSTEM
CNAS C047-M

Note: This certificate will not be continuously valid until the organization has been approved in the annual surveillance audit. The certificate information are available on the website of the certification and accreditation administration of the People's Republic of China (<http://www.cnca.gov.cn>) or the website of CNAS (<http://www.cnas.com.cn>). Address: 29 floor of Zhong Lin building, No. 2488, An Ding Men West street, Dongcheng district, Beijing, 100011, P.R. China Telephone: 010-42267992


REGISTRATION NO. 04720Q1000681

CERTIFICATE OF QUALITY MANAGEMENT SYSTEM FOR MEDICAL DEVICES

This is to certify that the quality management system of

Chengdu Corder Optics & Electronics Co., Ltd.
Registered Address: Gaofa Building, 6th JiuXing Road, High-tech Zone, Chengdu, Sichuan,
China Postcode: 610093
Manufacturing Address: Secondary floor Room 201-203/205-211/216, No 187 Section one
Changcheng Road, West Airport Economic Development Zone, Shuangliu County, Chengdu,
Sichuan, China

Has been assessed and conformed to the following standard(s)
YY/T 0287-2017 idt ISO 13485:2016

The certificate is valid for the following scope:
Design development product and service of operating microscope.
Date of issue: January 19, 2021
Date of expiry: January 18, 2024

General Manager: 

BEIJING HUA GUANG CERTIFICATION
OF MEDICAL DEVICES CO., LTD.

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