



OPHTHALMIC OPERATING MICROSCOPE



Quality, Management, Environment, Health & Safety Standards



CDSCO MD 5 License



USFDA Listed



European CE



ISO 9001:2015
IAF



ISO 13485:2016
NABCB/IAF



ISO 45001:2018
IAF



7 Electric Safety Certifications
IEC 60335-1 and IEC 60335-2-24, IEC 61010-1,
IEC 61010-2-020 and 61010-2-101, IEC 61326-1,
IEC 61326-2-6.

INTRODUCTION

MarkEn proudly presents its Ophthalmic Operating Microscope, advanced optical solution, designed for precision and reliability in various professional applications. Built with superior Apo- Chromatic optics and a versatile binocular system, this device combines exceptional clarity with ergonomic engineering. Its robust mobile floor stand and finely tuned illumination system enhance operational flexibility and user comfort, making it a preferred choice for demanding environments.



FEATURES

- APO Chromatic Motorized 5-Step Magnification System for precise and seamless zoom control.
- Ergonomic Inclined Binocular Tube with adjustable IPD (55–75 mm) for comfortable prolonged use.
- High-Resolution APO Optics delivering superior image clarity and color accuracy.
- Multiple Eyepiece Options (8.3x / 10x / 12.5x) with ± 5 Diopter adjustment for personalized viewing comfort.
- Motorized Fine Focus System with adjustable speed for accurate and effortless focusing.
- Integrated Coaxial LED Illumination with Red Reflex Enhancement for improved retinal visibility.
- Precision X-Y Coupling System with reset function for smooth and accurate microscope positioning.
- Multifunction Waterproof Foot Pedal with 8 programmable control functions.
- Compact Rust-Free Mobile Floor Stand with lockable caster wheels for enhanced stability and maneuverability.
- Online UPS Backup Support ensuring uninterrupted operation during power fluctuations.

STANDARD ACCESSORIES

- Ophthalmic Operating Microscope with Floor Stand
- Surgeon Binocular Tube with Eyepieces
- Foot Control Unit
- Power Supply Unit with Cables
- Sterile Control Handles
- Dust Cover
- User Manual and Operating Instructions

TECHNICAL SPECIFICATION	
Make	MarkEn
Type	Ophthalmic Operating Microscope
Eyepieces	10× / 8.3× / 12.5× with ±5 Diopter Adjustment
Binocular Tube	Inclined Binocular Tube, f = 170 mm, IPD 55–75 mm
Magnification	APO Chromatic Motorized 5-Step Magnification Changer with Foot Control
Objective Lens	APO Chromatic Objective Lens, 200 mm Focal Length
Focusing System	Motorized Fine Focus, ≥40 mm Travel with Adjustable Speed
Illumination System	Fiber-Optic-Free Coaxial LED Illumination System with Integrated Red Reflex and ±15° Inclination Adjustment
Stand Type	Floor-Type Compact Rust-Free Stand with 4 Lockable Rollers and 4 Foot Brakes
X-Y Coupling	Minimum 40 × 40 mm Range with Dedicated Reset Button
Arm Rotation	Primary 360°, Secondary 355°
Arm Lengths	Arm 1: 300 mm / Arm 2: 550 mm
Reach	≥1050 mm
Protective Cover	Included
Operating Temperature	10°C to 50°C, Relative Humidity 15% to 90%
Foot Control	Waterproof Multi-Function Foot Pedal (8 Functions)
Sterilizable Control Caps	Minimum 2 Sets Included
Backup Power	Compatible Online UPS with Minimum 30 Minutes Backup
Power Input	AC 100–120 V / 220–240 V, 50–60 Hz

ALL-IN-ONE SOLUTION FOR

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Hospital Furniture & Infrastructure
Commercial Refrigeration



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500+

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1000+

Committed Engineers



1,00,000+

Satisfied Users

CERTIFICATION



EN 13523-26,
ISO 13849-1,
IP 69, IP 65

& MANY OTHER...

OUR ESTEEMED CUSTOMERS



& MANY MORE...



Regd office & Factory: 93/1, MIDC Satpur, Nashik- 422007 (IND)

New Delhi office - 05, A-44, VDS Tower, Sector 2, Noida- 201301. UP. India

Customer Care No. +91 91 3030 5959

www.markenworld.com **info@markenworld.com**

