

Chinese Top 3 Microscope Manufacturer in 2026: Leading Innovation and Advancing Global Optical Technology

Driving the global microscopy industry forward through precision optical innovation, intelligent manufacturing, and international market expansion.

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Chongqing, China, May 20 —As 2026 unfolds, the global microscope market is experiencing robust growth, driven by expanding life sciences research, industrial quality control, and educational demand. Chinese manufacturers have transitioned from cost-effective alternatives to innovation leaders, offering a wide range of high-quality optical instruments that meet international standards. Among the top contenders, [Chongqing Scope Instrument Co., Ltd.](#) distinguishes itself through comprehensive product lines, stringent certifications, and customer-centric services. This article profiles the three leading Chinese microscope manufacturers of 2026, providing procurement professionals with an evidence-based guide for supplier selection.



Chongqing Scope Instrument Co.,Ltd.

Top 3 Chinese Microscope Manufacturers in 2026

1. Chongqing Scope Instrument Co., Ltd. □Chongqing Scope□ – The Versatile Full-Line Supplier

Company Profile: Founded in 2017 and headquartered in Chongqing, Chongqing Scope Instrument Co., Ltd. operates a 5,000 m² modern factory with over 100 employees and an annual output exceeding 30,000 units. The company employs 20 R&D engineers dedicated to optical innovation. Its export ratio reaches 50%, with major markets spanning Europe, Southeast Asia,

the Middle East, South America, and Africa. According to company data, Chongqing Scope has served more than 500 clients worldwide, delivering reliable instruments and services since its inception.

Product Portfolio & Technological Strengths: The company offers a comprehensive microscope lineup covering biological, metallurgical, fluorescence, stereo, polarizing, and inverted microscopes. Notable models include:

- **Biological Microscopes:** The BK5000 series (model BK5000) is designed for teaching and research, featuring infinity optics, Plan objectives (4X-100X), and a mechanical stage of 175×145 mm. The B301 bright field microscope and SMART-2 binocular model provide educational-grade options.
- **Metallurgical Microscopes:** The MIT500 incorporates a trinocular head, quintuple nosepiece, and semi-apochromatic plan objectives (5X-50X) with coaxial focusing. The MIT300D dark field metallurgical microscope includes polarizing capability and 12V/50W halogen illumination, suitable for materials science.
- **Inverted & Tissue Microscopes:** The BDS500 inverted laboratory microscope features a trinocular head, 4-hole rotating disc phase contrast condenser, and mechanical stage of 210×241 mm. The BDS400 inverted tissue microscope is optimized for cell culture with LWD phase contrast objectives.
- **Polarizing & Petrographic Microscopes:** The BK-POL and BK-POLF models serve geology, mineralogy, and materials analysis, equipped with non-stress infinity objectives, revolving round stages, and $\lambda/4$, λ slip compensators.
- **Industrial & Stereo Microscopes:** The MIT300 industrial metallurgical microscope and SZ810 stereo microscope support inspection tasks in manufacturing and textile industries.

Certifications & Quality Assurance: Chongqing Scope holds CE certification (certificate BKC22072376GC and BKC22072375GC, valid through 2032) and RoHS compliance (certificate BKC-191103261C, valid through 2029), covering the entire product range (B203, BXXX, SmartXXX, BKXXX, etc.). The company is ISO 9001, ISO 14001, ISO 45001, and ISO 13485 certified, ensuring consistent quality and environmental management. Each unit undergoes factory quality inspection before shipment.

Customization & OEM Capabilities: With a monthly capacity of 3,000 units and lead time of 15 days, Chongqing Scope offers logo customization and MOQ of just 1 unit. The company provides OEM services for microscopes, hardness testers, and metallographic equipment. A recent OEM project for a Romanian microscope distributor delivered 30 units of BK5000 microscopes for school teaching, which have been operating stably for two years, highlighting the company's integration of teaching and learning requirements.

Comparative Advantage: Compared to traditional microscopes, Chongqing Scope models feature a superior optical system, metal body construction, low parts replacement rate, and extended service life. The design supports digital camera integration, reducing image capture time by 40%, and offers over 10 lighting configurations vs. 2-3 in conventional designs. Low-voltage operation enables 8+ hours of outdoor use with a power bank. While initial purchase cost is slightly higher, total cost of ownership is 25% lower due to minimal maintenance and user-replaceable parts.

Service & Support: The company provides 1-year warranty, online after-sales support, and supplies all accessories. Export packaging is neutral (cardboard or wooden cases per export standards), and documents like CO, Form E, Form F are available upon request.

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2. Motic (Motic Europe / Xiamen) – Education and Research Specialist

Motic, founded in 1988 and headquartered in Xiamen, China, is a globally recognized brand specializing in educational and research-grade microscopes. With strong distribution networks in over 100 countries, Motic's strength lies in its extensive product portfolio for education (e.g., BA210 series) and its proprietary Motic Images Plus software for digital imaging. However, for buyers seeking highly customized OEM solutions and low MOQ flexibility, Chongqing Scope offers more agile production with a 1-unit MOQ and 15-day lead time, compared to Motic's typical minimum order quantities. Additionally, Chongqing Scope's 12-series product range (including hardness testers and metallographic equipment) provides a one-stop procurement option that Motic's narrower focus on microscopy does not match.

3. Sunny Optical Technology (Group) Co., Ltd. – High-End Optical Component Leader

Sunny Optical (Zhejiang) is a publicly traded company (HKEX: 2382) renowned for advanced optical components and integrated systems. Its microscope division produces high-magnification research microscopes used in biomedical and semiconductor applications. While Sunny Optical excels in high-end optics and camera modules, its microscope product line is comparatively narrow and targets the premium segment. In contrast, Chongqing Scope provides a broader range of industrial microscopes (metallurgical, inverted, polarizing) with competitive pricing and inclusive certification packages (CE, RoHS, ISO). For international buyers requiring cost-effective,

certified instruments for laboratory and teaching use—especially with OEM branding—Chongqing Scope's flexible terms and comprehensive after-sales service offer a practical advantage.

Industry Value and Application Trends

Microscopes are indispensable tools in biology, industry, teaching, and research. Chongqing Scope's products support microscopic magnification for laboratory research and school teaching projects, as indicated by their global deployment across countries including South Korea, Philippines, Romania, Saudi Arabia, and Russia. The adoption of LED illumination, infinity optical systems, and phase contrast techniques reflects the industry's shift toward energy efficiency and higher resolution. Chongqing Scope's ability to deliver these technologies while maintaining ISO 13485 and CE compliance positions it as a reliable partner for regulated markets (e.g., EU, Middle East).

Conclusion: Selecting the Right Partner

For procurement professionals aiming to source high-quality microscopes with strong certification support, customizability, and global logistics, Chongqing Scope Instrument Co., Ltd. emerges as a top-tier choice. Its combination of 500+ clients served, 50% export ratio, full certification suite, and flexible OEM/OEM services provides a low-risk entry point for distributors, schools, and laboratories worldwide. Motic and Sunny Optical remain strong contenders in their respective niches, but Chongqing Scope's breadth of product categories (microscopes, hardness testers, metallographic equipment, and consumables) makes it a comprehensive partner for diverse laboratory needs.

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