Olympus BX53M

产品名称	Olympus BX53M
公司名称	苏州落基光学有限公司
价格	75000.00/个
规格参数	
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产品详情

为工业和材料学应用而设计

BX3M系列采用了模块化设计，为广泛的材料学和工业应用提供了多样化的解决方案。BX53根据工业和材料学的不同应用，可以组合成反射显微镜、透反射显微镜、红外显微镜、偏光显微镜等多种应用的显微镜。

高级的显微观察 便捷的显微操作

用户友好性

简单的、向导式的显微镜操作设置，使用户更容易进行调节，并复制系统设置。

功能性

BX3M为传统的工业显微镜检查而设计，并扩展了其功能，以满足更广泛的应用和检查技术的要求。

精密的光学元件

奥林巴斯公司具有生产高质量光学元件的悠久历史，无论用目镜观察，还是通过显示器观察，都具备一流的图像画质。全面可定制性

模块化设计可以为用户灵活地构建满足其特殊要求的系统。

直观的显微镜控制舒适而便于使用

显微检查任务常常需要用很长的时间来调节显微镜设置、获取图像，以及进行必要的测量，从而得到令人满意的报告。用户有时需要投入时间和金钱去完成专业的显微镜培训，或只了解了显微镜全部功能的

很小部分就开展工作。

BX3M通过其优良的设计和便捷的控制功能，简化了复杂的显微检查任务。用户不需要长时间的培训即可掌握显微镜的大多数功能。BX3M方便而舒适的操作还改善了图像的再现性，最大程度减少了人为错误。

2.1 编码硬件：很容易恢复显微镜设置

BX3M采用了新的编码功能，将显微镜的硬件设置与奥林巴斯Stream图像分析软件整合在一起。观察方法、照明强度和物镜位置全都记录在软件和/或手动控制器里。编码功能使显微镜设置能够与每幅图像一起自动保存，从而使此后还原设置，以及为报表提供文档记录更加方便。既节省了操作者的时间，又最大程度减小了使用不正确设置的概率。当前的观察设置总是清晰地显示在手动控制器和软件上。

2.2 智能光强管理：一致的照明

在初始安装时，可以调节照明强度，使其与编码照明器和/或编码物镜转换器的特定硬件配置匹配。

2.3 方便而人性化的操作

人性化对所有用户都至关重要。无论是单机显微镜用户，还是集成了奥林巴斯Stream图像分析软件的显微镜系统用户，都能得益于可以清晰显示显微镜编码型硬件位置的、人性化操作的手动控制器。简单的手动开关，使用户能够把时间专注于样品本身和所需实施的检查。

3、先进的成像

BX3M除常规显微镜检查的传统衬度对比法，还可以解决以往很多使用传统衬度对比法检查时遇到的缺陷检测方面的困难。

3.1 MIX组合式观察：让以往看不见的图像显示出来

BX3M的MIX组合式观察技术组合了明场和暗场照明方法。对突出显示缺陷和区分隆起与凹陷表面很有用处。

3.2 即时拼图（MIA）：轻松移动载物台，可进行全景摄影

现在仅仅移动手动载物台上的XY旋钮即可方便而快捷地拼接图像，不再需要电动载物台。

奥林巴斯Stream软件采用图案识别技术来生成全景图像，为用户提供了比单一画面更宽的视野。

3.3 轻松实现超景深图像（EFI）题

奥林巴斯Stream软件的景深扩展成像（EFI）功能能够获取高度超过物镜焦深的样品图像，并把它们叠加在一起，创建出一幅超景深图像。可以使用手动或电动Z轴机构来执行EFI，并创建一幅高度图，以轻松地识别结构。也可以用Stream桌面版在离线时创建EFI图像。

4、尖端光学技术的悠久历史

奥林巴斯公司拥有高品质光学仪器研发的悠久历史，创造了多项光学质量的记录，保证了显微镜优异的测量精度。

4.1 LED照明

BX3M为反射光和透射光照明提供了高强度的白光LED光源。LED提供了高效而长寿命的照明，是材料学检测应用的理想工具。

4.2 自动校准

类似于数码显微镜，使用奥林巴斯Stream软件时也能够实施自动校准。能够获得更可靠的测量结果。

BX53MTRF-SBX53MRF-SBXFMOptical systemUIS2 optical system (infinity-corrected)Microscope frameIlluminationReflected/transmittedReflectedFocusStroke: 25 mm Fine stroke per rotation: 100 μm Minimum graduation: 1 μm With upper limit stopper, torque adjustment for coarse handleStroke: 30 mm Fine stroke per rotation: 200 μm Minimum graduation: 2 μm With torque adjustment for coarse handleMax. specimen height35 mm (w/o spacer) 75 mm (with BX3M-ARMAD)65 mm (w/o spacer) 105 mm (with BX3M-ARMAD)Depends on the mounting configurationObservation tubeWide-field FN 22Inverted: binocular, trinocular, tilting binocular Erect: trinocular, tilting binocularSuper-wide-field FN 26.5Inverted: trinocular Erect: trinocular, tilting trinocularReflected light illuminationTraditional observation techniqueBX3M-RLAS-S Coded, white LED, BF/DF/DIC/POL/MIX FS, AS (with centering mechanism), BF/DF interlocking BX3M-KMA-S White LED, BF/DIC/POL/MIX FS, AS (with centering mechanism), BF/DF interlocking BX3M-RLA-S 100W/50W halogen lamp, white LED, BF/DF/DIC/POL/MIX/ FS, AS (with centering mechanism), BF/DF interlocking, ND filter-U-KMAS White LED, 100W halogen Fiber illumination, BF/DIC/POL/MIXFluorescenceBX3M-URAS-S Coded, 100W mercury lamp, 4 position mirror unit turret, (standard: WB, WG, WU+BF etc) With FS, AS (with centering mechanism), with shutter mechanismTransmitted lightWhite LED Abbe/long working distance condensers-Revolving nosepieceFor BFSextuple, centering sextuple, septuple, coded quintuple (optional motorized revolving nosepieces)For BF/DFSextuple, quintuple, centering quintuple, coded quintuple (optional motorized revolving nosepieces)StageCoaxial left (right) handle stage: 76 mm × 52 mm, with torque adjustment Large-size coaxial left (right) handle stage: 105 mm × 100 mm, with locking mechanism in Y-axis Large-size coaxial right handle stage: 50 mm × 100 mm, with torque adjustment and locking mechanism in Y-axis-WeightApprox. 18.3 kg (Microscope frame 7.6 kg)Approx. 15.8 kg (Microscope frame 7.4 kg) Approx. 11.1 kg (Microscope frame 1.9 kg)BX53M Specifications (for IR Observation)

BX53MRF-SBXFMIR Observation tubeWide field FN 22Inverted: trinocularReflected light illuminationIR observationBX3M-RLA-S 100W/50W halogen lamp for IR, BF/IR, AS (with centering mechanism), with band pass filter (1100 nm, 1200 nm) BX3M-URAS-S 100W/50W halogen lamp for IR, BF/IR, AS (with centering mechanism), with band pass filter (1100 nm, 1200 nm), with shutter mechanism – U-KMAS 100W/50W halogen for IR, BF/IRRevolving nosepieceFor BFSextuple, centering sextuple, septuple, coded quintuple (optional motorized revolving nosepieces)Stage (X × Y)Coaxial left (right) handle stage: 76 mm × 52 mm, with torque adjustment Large-size coaxial left (right) handle stage: 105 mm × 100 mm, with locking mechanism in Y-axis Large-size coaxial right handle stage: 150 mm × 100 mm, with torque adjustment and locking mechanism in Y-axis – WeightApprox. 18.9 kg (Microscope frame 7.4 kg)Approx. 11.6 kg (Microscope frame 1.9 kg)BX53M

Specifications (for Polarized Observation)

BX53MTRF-SPolarized light intermediate attachment(U-CPA or U-OPA)Wide field FN 22Inverted: binocular, trinocular, tilting binocular Erect: trinocular, tilting binocularBertrand lensFocusable (for U-CPA only)Bertrand field stop3.4 mm diameter (fixed) (for U-CPA only)Engage or disengage Bertrand lens changeover between orthoscopic and conoscopic observationPosition of slider ● in Position of slider ○ out (for U-CPA only)Analyzer SlotRotatable analyzer with slot (U-AN360P-2)Analyzer (U-AN360P-2)360 ° dial-rotatable Rotatable minimum angle 0.1 ° Revolving centerable nosepiece (U-P4RE)Quadruple, centerable attachable components: 1/4 wavelength retardation plate (U-TAD), tint plate (U-TP530) and various compensators can be attached using plate adapter (U-TAD)Stage (U-SRP)Polarizing rotatable stage with 3-point centering function 360 ° rotatable, lockable in any position, 360 ° graduated in 1 ° increments (minimum retardation resolution 6', using vernier scale) 45 ° click stop function Mechanical stage (U-FMP) can be attachedCondenser (U-POC-2)Achromat strain-free condenser (U-POC-2), 360 ° rotatable polarizer with swing-out achromatic top-lens Click stop at position "0 ° " is adjustable NA 0.9 (top-lens in) NA 0.18 (top-lens out) Aperture iris diaphragm: adjustable from 2 mm to 21 mm diametersWeightApprox. 16.2 kg (Microscope frame 7.6 kg)BX53M/BXFM ESD Units

ItemsMicroscope frame: BX53MRF-S, BX53MTRF-S Illuminator: BX3M-KMA-S, BX3M-RLA-S, BX3M-URAS-S, BX3M-RLAS-S Nosepiece: U-D6BDRES-S, U-D6RE-ESD, U-D5BDREMC-ESD, U-5RES-ESD Stage: U-SIC4R2, U-SIC4L2, U-MSSP4