

OPTA

Powering your vision,
to power your business

Vision
ENGINEERING



QUALITY

FOCUSED



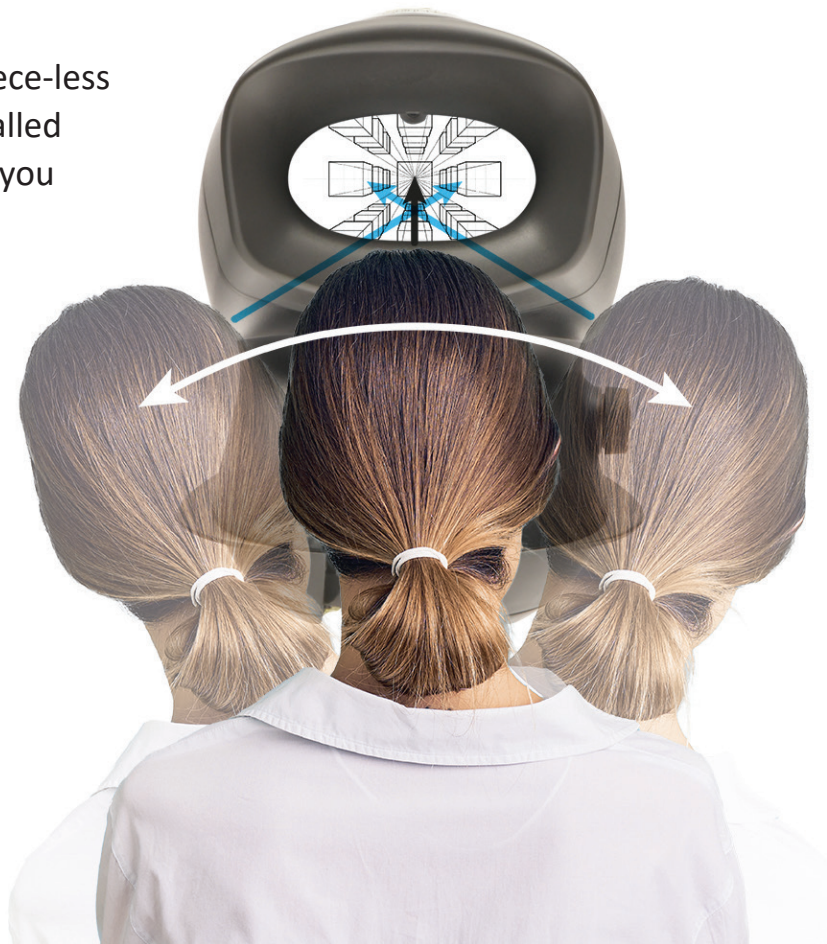
OPTA is the high performance stereo microscope designed to enhance operator performance in a wide range of magnification tasks. It offers exceptional value, ensuring efficiency and effectiveness without compromising on excellence.

With OPTA, efficiency meets precision in every detail:

- Spot intricate details and defects swiftly with incredible clarity.
- Stay focused for extended periods, improving productivity.
- Effortlessly handle even the tiniest subjects with ease and precision.



OPTA's innovative eyepiece-less design delivers an unrivalled 3D stereo view, offering you the ability to examine objects from multiple angles with unmatched clarity and precision.



Efficiency Gains



Ergonomic



Glasses free



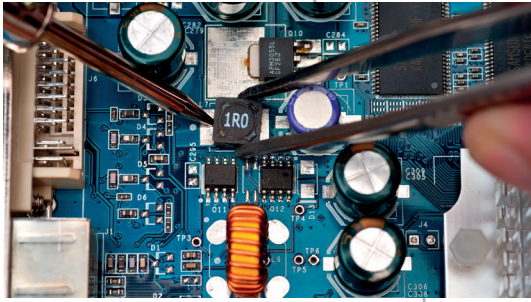
Hand Eye
Coordination



Long working
distance



optical
3D View



Electronics

Experience unparalleled precision in electronics inspection and rework with OPTA. The patented optical viewing head offers a 3D perspective, improving hand-eye coordination and minimising operator fatigue.



Plastics and Rubber

Ensure quality and efficiency in the production and inspection of rubber seals, packaging, and closures with OPTA. It enables long working distance - indispensable for tasks like flash removal from injection moulding processes.



Precision Engineering

Perfect your inspection tasks with OPTA's crystal-clear stereo view and ergonomic design. Whether its component finishing, detecting defects in anodising or hardening, or welding tools for deburring, our solution ensures optimal performance with minimal strain on operators.



Dental Laboratories

OPTA is ideal for inspecting dental frameworks for quality, precision, and fit. The high-quality optics and built-in illumination allow detailed inspection, essential for accurate dental restorations. The eyepiece-less design allows for easy set-up and switching between users making it a practical tool in the lab.



Education and Training

The ergonomic design of OPTA allows for comfortable use and easy switching between users without the need for adjustment. This makes it ideal for hands-on learning and quick observation change. Given the crystal-clear stereo view, the OPTA is perfect for teaching and training in scientific and industrial applications.



OPTA

The Ergonomics of Eyepiece-less Design

Perfect Stereo View with Depth Perception:

Experience precision and depth in inspections, enhancing accuracy and efficiency.

Effortless Setup and User-Friendly Interface:

Quick setup and intuitive controls allows seamless transitions between users, saving valuable time and resource.

Improved Hand-to-Eye Coordination:

Enhance task execution with better coordination, leading to more accurate results and increased productivity.

Combat Fatigue for Sustained Focus:

Reduce eyestrain and fatigue with OPTA's ergonomic design, enabling sustained focus over time and minimising errors.

Comfortable and Adaptable Design:

Stay comfortable during extended use with OPTA's ergonomic features allowing you to work with safety or corrective eyewear, even while wearing gloves.

Good Ergonomic Working Makes Good Economic Sense

By prioritising ergonomics with OPTA, you are investing in the long-term success of your business. Studies consistently show that ergonomic improvements in work environments leads to direct business benefits; reducing costs and increasing productivity.

Images viewed in the eyepiece are simulated for illustrative purposes only.



Specifications


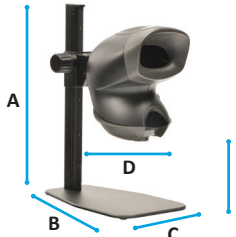
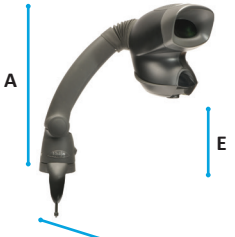
Optical Data

| Objective lens | Working distance | Field of view |
|----------------|------------------|---------------|
| 4x | 96mm | 27.5mm |
| 6x | 73mm | 19.2mm |

Illumination Data

| Source | Brightness | Colour Temperature | Life |
|--|------------|--------------------|--------------------|
| Light intensity measured at subject plane with colour correction filters | | | |
| 20 LEDs | 9,400 LUX | ~7000k | Up to 10,000 hours |

Stand Options

| | Crescent stand | Track stand | Universal arm |
|----------------------------------|--|---|---|
| |  |  |  |
| Maximum Dimensions | Offers open space clear for working and easy to clean | Tough metal base for working on, low profile base for user comfort | Versatile 'lift and lower' universal stand enables easy swinging in and out of position when needed |
| A Workbench to top of head | 533mm | 533mm | 605mm |
| B Length | 250mm | 406mm | 454mm |
| C Width | 500mm | 250mm | - |
| D Throat, optical axis to column | 240mm | 240mm | - |
| E Work surface to bottom of head | 297mm | 285mm | 320mm |
| Base height | - | 12mm | - |

Part Numbers

| | | |
|--------|---------------|-------------------------------|
| MOS001 | OPTA + X4 obj | crescent base track stand kit |
| MOS002 | OPTA + X6 obj | crescent base track stand kit |
| MOS003 | OPTA + X4 obj | plain base track stand kit |
| MOS004 | OPTA + X6 obj | plain base track stand kit |
| MOS005 | OPTA + X4 obj | universal stand kit |
| MOS006 | OPTA + X6 obj | universal stand kit |

VISION ENGINEERING + OUR DIFFERENCE

Vision Engineering Ltd. has been designing and manufacturing high quality ergonomic microscopes, digital instruments, inspection, contact and non-contact measuring systems for over 60 years.

Innovation

With a philosophy of design innovation, Vision Engineering holds world patents for a number of optical / digital techniques, significantly improving viewing ergonomics and enabling customer quality and productivity improvements. In 2020, we were awarded a Queen's Award for Enterprise in the Innovation category, for our high tech ergonomic optical inspection microscope Lynx EVO.

To see our focused quality, please contact your Vision Engineering branch, local authorised distributor, or visit our website: visioneng.com

Quality

Vision Engineering prides itself on quality products, electronics, mechanics and optics and is certified for the quality management system ISO 9001:2015. We are also now a UKAS accredited calibration laboratory, after attaining ISO 17025:2017. Quality is as important to us as it is to our customers. Our systems have proved themselves many times over and are chosen by the world's leading companies.

Global

Vision Engineering has manufacturing and design facilities in the UK and USA, plus sales and support offices throughout Europe, the Americas, the Far East, and Asia. We support our customers with close technical and service support anywhere in the world.

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Vision Engineering Ltd. has been certified for the quality management system ISO 9001:2015

Sales Partner



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