

# **OPTA** - New 3D stereo magnifier kits.

## Break open new and existing markets with an inexpensive competitor to conventional stereo microscopes.

Vision Engineering is delighted to announce the launch of a range of new 3D stereo magnifier kits. The new OPTA kits featuring, Vision Engineering's eyepiece-less technology, bring unparalleled ergonomics in an incredibly affordable package. Synonymous with Vision Engineering, eyepiece-less technology is proven to benefit both users and businesses reducing discomfort and increasing productivity.



### **Key Highlights:**

- Ergonomics for posture and eye comfort helping users work better for longer
- Easy to use for a wide range of tasks
- 6 simple complete kits, for simple ordering and onward sales





The 6 OPTA configurations have been compiled to appeal to a wide range of users for a wide variety of applications; for construction, assembly, manipulation, rework, repair, and inspection tasks across a diverse range of industries including plastics, dental laboratory, electronics manufacture, jeweler, education and general production. The X4 and X6 magnifications are most commonly used for detailed hand working. Though many markets will benefit from these magnifications, the initial focus for generating marketing materials will be on industries where manual labor is used for producing low-cost volume items. The markets listed below have been identified and include a range of value levels that incorporate this need for manual viewing.

- Jewelry
- Education
- Dental Laboratory
- Wire looms

- **Fasteners**
- Plastic manufacture
- Automotive Repair
- General production

### **OPTA vs. Bench magnifiers**

- Higher magnification showing more detail
- Better ergonomics due to the forward-facing user position relieving pressure on the user's neck
- Better performance. Add-on lenses to increase the magnification of bench magnifiers reduce the view to one eye losing the stereo 3D view.
- Slightly higher cost justified by the improved performance, ergonomics, and magnification

### **OPTA vs. Binocular stereo microscopes**

- Ergonomic position, better postural comfort, and eye comfort
- Eyepiece-less design, easier to align eyes with 10X larger exit pupils
- Enhanced depth perception, due to dynamic view optics
- Very competitively priced compared to entry-level stereo microscopes.

### **OPTA vs. Digital microscopes**

- 3D stereo view enables depth perception of the viewed subject
- 3D stereo view enables shape, and texture to be seen, doing away with the ambiguity of a 2D viewing system
- Easier working with tools if the system is used for manipulation
- Higher resolution, better color rendition, and far better dynamic range possible compared to digital systems.



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