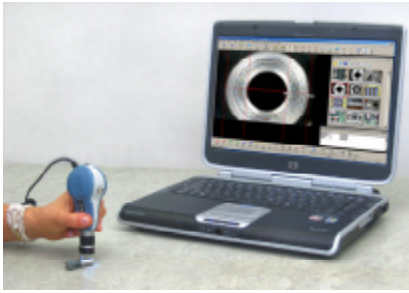
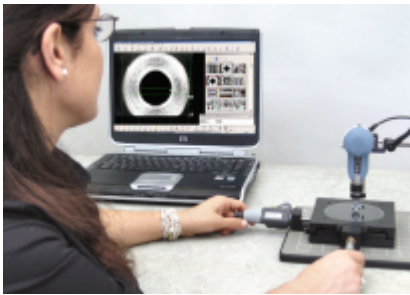


Lightweight, mobile and highly flexible digital video microscope with zoom optics and built-in long-life LED illumination adaptable to different applications, which demand excellent image quality, flexibility, digital image recording and documentation



Produces high-resolution digital pictures with excellent colour at a wide range of magnifications on your laptop or PC

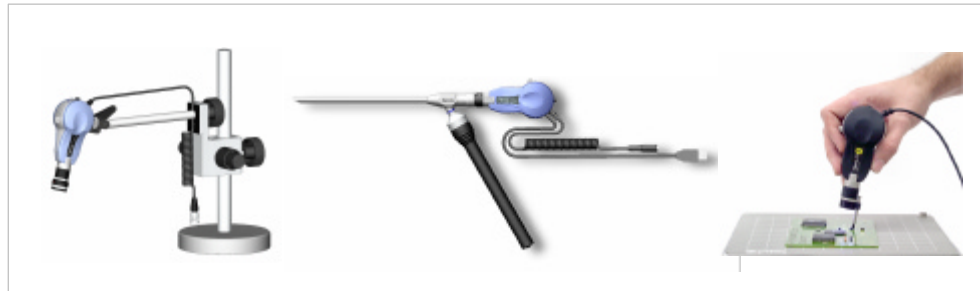


Designed for optical inspection, non-contact dimensional measurement, digital image & video recording and documentation of objects in any location

Flexia D1, Digital Inspection Microscope



High speed
USB 2.0 interface

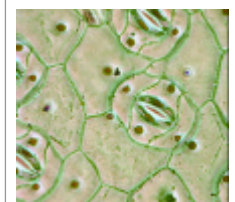
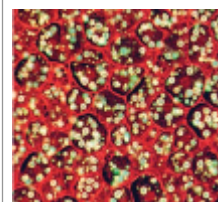
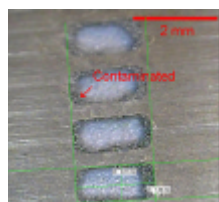
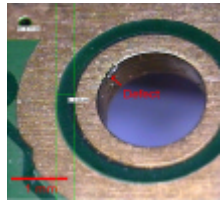
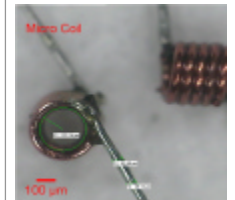
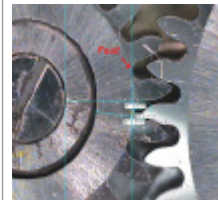
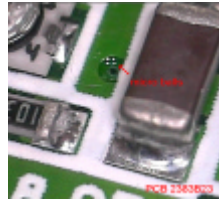
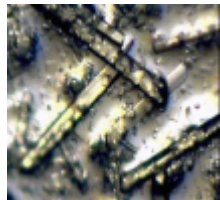


With focusing stand

With Endoscope lens

Free-hand operation

The more you can see, the more you can fix!



Included items:

when you order Flexia D1, **Item No. OP-019 190**
or the antistatic version, **Item No. OP-019 191**

- Flexia D1 basic camera unit
- 100x Objective lens
- Ring-light white LED
- Optilia image viewing & capture software
- Power supply
- Installation instructions and user's manual

Optional accessories:

Lenses:

8-80x macro zoom lens
Item No. OP-019 110
250x Objective lens
Item No. OP-019 114
500x Objective lens
Item No. OP-019 116



Software:

Picsara, database and measurement software
Item No. OP-006 118



XY-translation stage

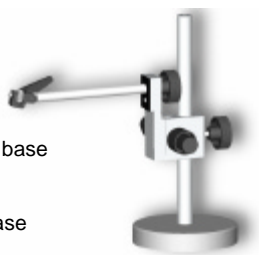
XY-Translation board,
inclusive 2x quick-feed
micrometer spindles
Item No. OP-006 109



Stands:

Focusing stand, circular base
Item No. OP-006 267

Focusing stand, large base
Item No. OP-006 183



Application

Inspection of electronics, assembled PCBs, components, soldering.
Inspection of machined parts and assemblies.
Micro cracks in aircraft parts, engines, turbine blades, etc.
Cutting edge tools and wear-out in CNC machines.
Stripping and assembly of cables.
Fibres in paper and textile industry.
Plastic parts and injection moulds.
Metals and welding examination.
Inspection and identification of pollen, insects, stones etc.
Biology, pathology, veterinary and scientific examinations.
Crime investigation and forensic analysis.
Documentation, digital image recording and archiving.
Software analysis and non-contact dimensional measurements
Real time presentation on large monitors or via projectors.
web conferencing and presentations of live or still pictures over the Internet.

Specification

- Image Sensor ● Color 1.38 Mpixel CMOS
- Connection ● USB2.0 serial bus
- Software controls ● White balance control, Gain control, Electronic shutter control, Gamma, Sharpness, Image size control etc.
- Magnification ● Zoom unit 8-80x. Fix 100x, 170x, 250x and 500x
- Working Distance ● 200 - 4 mm (depending on magnification)
- Field of View ● 20 - 0,4 mm (depending on magnification)
- Illumination ● Integrated Ring light, white LED, 6000 mcd with dimmer function
- Storage Environment ● -20° – +60° C, Max 98% RH, non-condensing
- Operating Environment ● 0° – +45° C, Max 95% RH, non-condensing
- Power Source ● 12.0-14.0 VDC, 200 mA min.
- Size (Flexia) ● 140x50x36 mm (LxHxW).
- Weight (Flexia) ● 200 gr. Max.
- Accessories ● Various zoom, fixed focal length and endoscope lenses.
Various illumination options.
Various mechanical mounts and stands.
ESD-protected options.



Optilia Instruments AB

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S-192 51, Sollentuna
Sweden
Phone: +46 (0)8 35 33 60
Fax: +46 (0)8 35 33 63
E-mail: Info@optilia.eu
Web: www.optilia.eu

Retailer:

Ordering information:

Item	Product No.
Flexia D1 with 100x lens, Ringlight, s/w	OP-019 190
Flexia D1 with 100x lens, Ringlight, s/w, Antistatic	OP-019 191
Macro Zoom unit 8-80x with built-in Ringlight	OP-019 110
250x Fixed Focal Length Objective	OP-019 114
Diffuse Ring Light for 250x lens	OP-006 205
500x Fixed Focal Length Objective	OP-019 116
Diffuse Ring Light for 500x lens	OP-006 206
Optilia Picsara Software	OP 006 113
Focusing Stand, Circular base	OP-006 267
Focusing Stand, Large base	OP-006 183