

# Amber Art

**a journey between science and beauty**



**Enrico Bonino**  
**Extreme-macro photography**

# Extreme-macro photography

## “How to”

By using a digital reflex camera, extension tubes of specific lengths, and **microscope objectives**, a nearly unimaginable fascinating universe of complexity will reveal in front of your eyes.

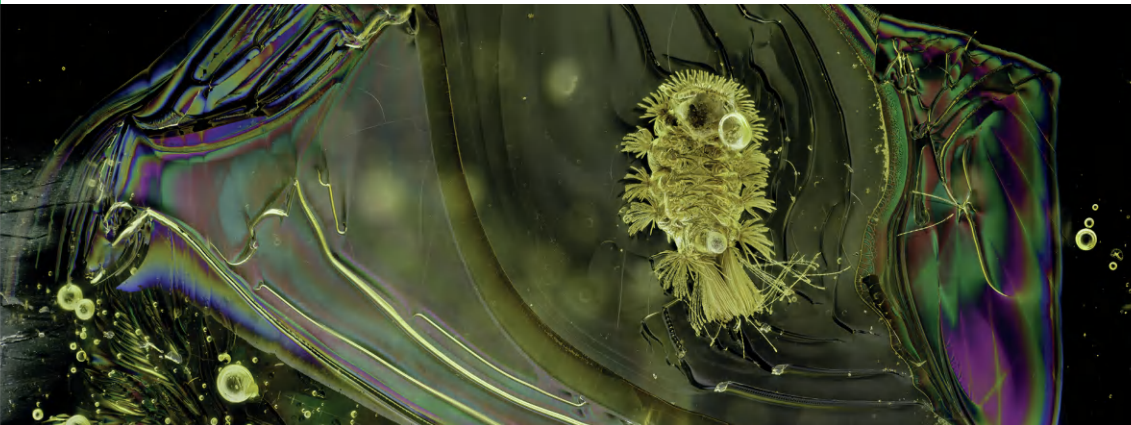
Microscope objectives permit very high magnifications, **much higher** than those obtainable in classic macro photography!

Due to the optical characteristics of the microscope objective, at which the subject appears sharp and in focus, numerous frames (generally **hundreds of images** in sequence) must be acquired in order to ensure that the subject is clear across its entire three dimensional surface.



The individual images are acquired through the mechanical movement of a **motorized platform** connected to the camera and controlled by a **microcomputer**. The entire creative process in general takes a **couple of hours** depending on the size of the subject and the time needed for post-processing. When the image is ready to be published, it can be printed in a wide range of formats, even up to meter size (or bigger) on request!

For more information on how to get started with extreme-macro photography, visit **enrico-bonino.eu**. The site provides hands-on explanations and loads of case studies, ranging from actual insects to microfossils.



# The system

Micro computer

Microstep motor

Mirrorless camera

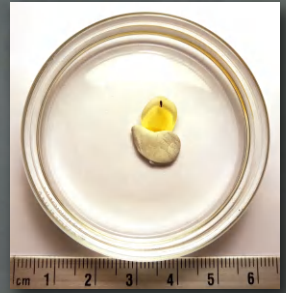
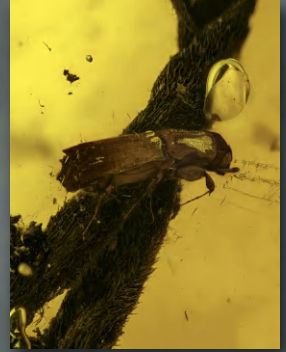
Rail

Tube lens

Corrective lens  
Objective

LED vertical lighting

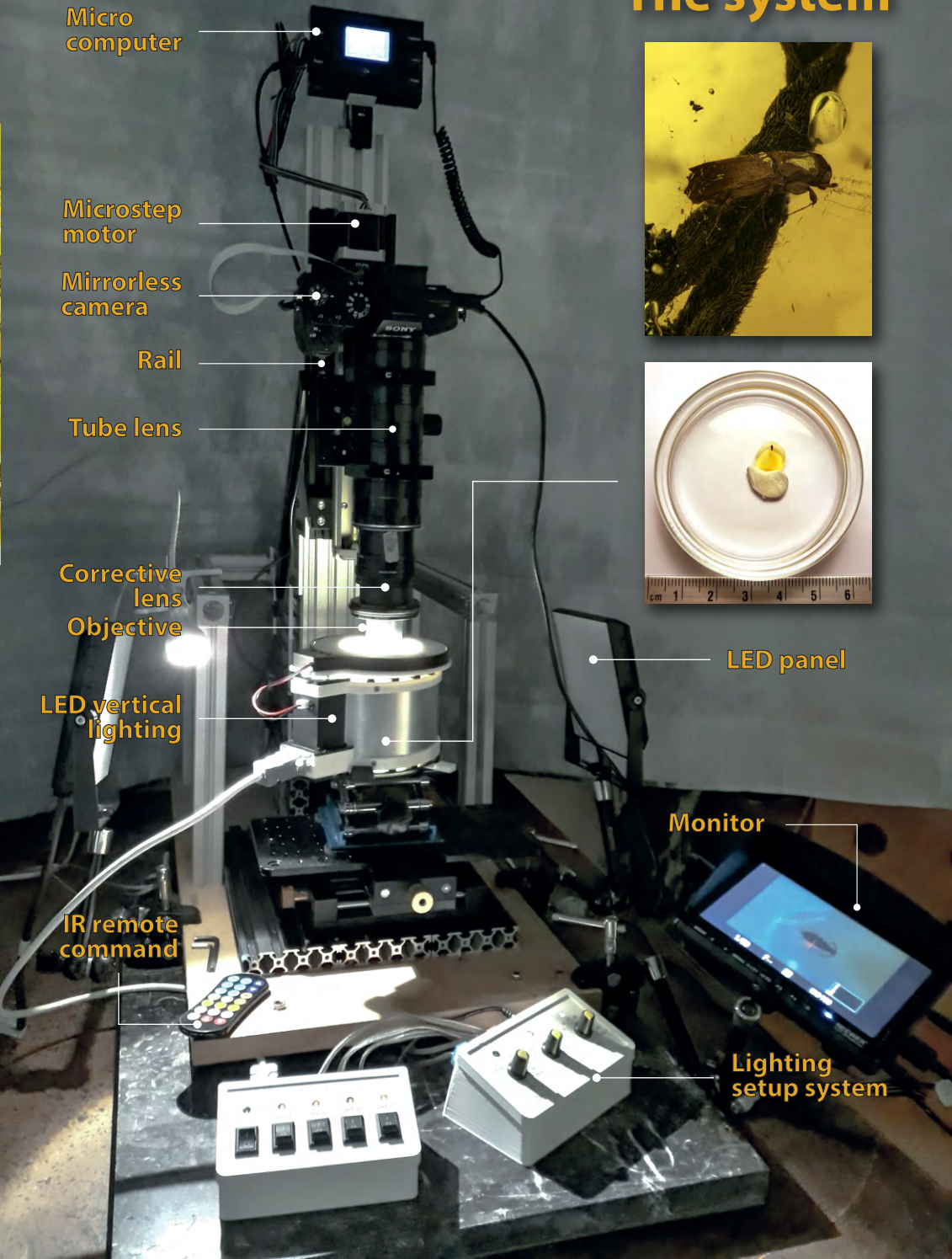
IR remote command



LED panel

Monitor

Lighting setup system



## About Enrico Bonino

Paleontologist, editor and extreme-macro photographer.  
Originally from Italy, nowadays based in Belgium.

A deep passion for the Earth, from *microcosmos* to *macrocosmos*, motivates him daily to explore the possibilities of extreme-macro photography for microfossils. His favourite subjects are insects trapped in amber, offering a bright new (and giant) look on tiny creatures. Resulting in photography that reveals the esthetics of the beauty of nature, giving you a close encounter with biodiversity of the past.

Skilled in digital image processing, mathematical morphology and drawing, Enrico is author and editor of scientific books and articles about Paleozoic arthropods, *fossils-lagerstätten*, trilobites, insects in amber.

## Collaborating with Museums and Universities

- Back to the Past Museum (Mexico)
- Centro Studi Naturalistici Paina di Giussano (Italy)
- Hanoi Fossil Museum (Vietnam)
- Museo Archeologico del Finale (Italy)
- Musée du Marbre à Rance - Paleontologica Belgica (Belgium)

## Discover more

On [www.enrico-bonino.eu](http://www.enrico-bonino.eu) you can find suggestions and tip&tricks to get started in extreme-macro photography.


On the socials you can follow nearly daily updates with photos and technical advice on testing of innovative tools related to the extreme macro world.

Don't hesitate to **contact me** for any further questions!



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