

APPLICATION: Imaging Geological Samples

Professor Richard Weston, an artist, uses a Nikon SMZ 1270 stereomicroscope to obtain images from inside rocks. His objective is to then use these images to inspire designs for clothing and other products.

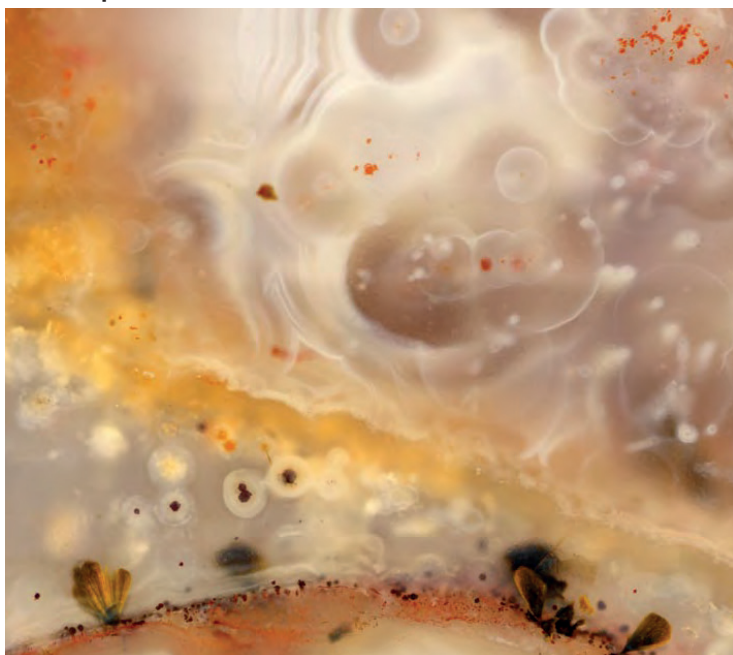


Image from inside an agate crystal.
Courtesy Richard Weston.

CHALLENGE:

Precise control of the stage and Z-stacking along with integration into NIS-Elements

SOLUTION:

OptiScan® stage, focus motor and controller

The OptiScan III integrates into NIS-Elements, allowing the entire system to be controlled from the computer.

The ES111 stage precisely frames the image, and allows easy and seamless tiling and image stitching. Large high resolution images can thus be created.

The H122 focus motor allows Z stacking - ideal for samples, such as crystals, which may not have a single optimum focus point.

“The stage has so far performed flawlessly... I need the stage and focus motor for image stitching, precise framing of single-frame captures, and of course z-series images”



Professor Richard Weston, Richard Weston Studio, Wales

Parts used: ES11 Controller/ ES111 stage/ CS15DP Control Unit/ H122 focus motor

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