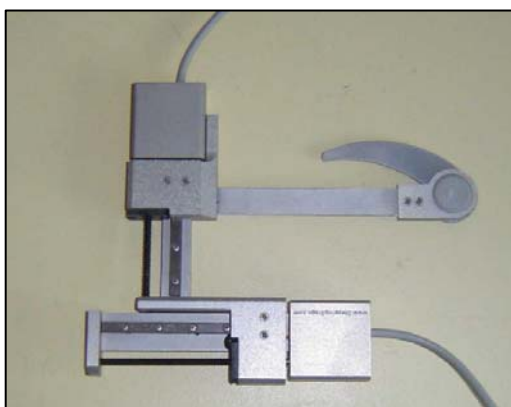


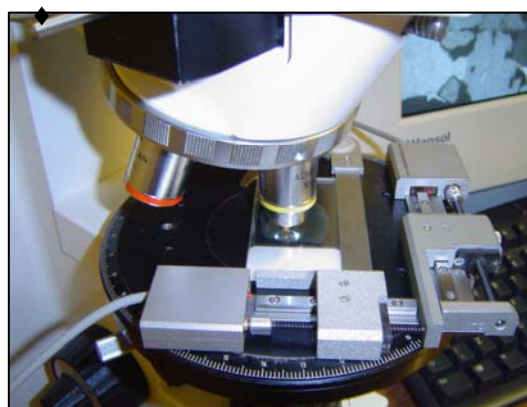
MicroStepper™ - a Motorised Stepping Stage for your Microscope

The **MicroStepper™** is the only stepper to fit onto the rotating platform of polarising microscopes. **MicroStepper™** makes the task of point-counting considerably easier and more efficient, with greater statistical validity, providing:

- ◆ optimum coverage of the usable area of the slide
- ◆ the option to remove a slide, and later continue point counting where it was left off
- ◆ stepping back to the previous point for confirmation or a change of mind
- ◆ marking of points of interest for showing to co-workers, or for later re-analysis
- ◆ revisiting any logged points, in any order



MicroStepper™

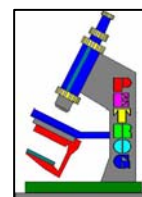


MicroStepper™ attached to a polarising microscope

Currently operating successfully worldwide on microscopes from Nikon, Olympus, Prior, Zeiss and Leica, **MicroStepper™** can be used for so much more than just point-counting:

- ◆ random walks
- ◆ feature following
- ◆ re-locating positions on a slide
- ◆ sharing locations across microscopes, using reference schemes including the popular England Finder

MicroStepper™ is supplied with a custom set-up, point-counting and mouse or keyboard control application. For petrographers, it can also be supplied with **PETROG™**, the state-of-the-art software for petrographic thin section analysis. It may also be integrated with applications of your choice. Please contact us to discuss your needs.



Conwy Valley Systems in association with Geoscience Wales Limited

Visit www.SteppingStage.com for more information

MicroStepper™ - Facts and Figures

| <i>Movement and Dimensions</i> | |
|--|--------------------------------|
| Maximum traverse distances (usable distance depends on the attachment configuration, on the stage on which the stepper is mounted; the quoted distances can always be achieved with custom modification to the stage) | X-axis = 53mm Y-axis = 39mm |
| Maximum slide size (slides 2" x 1" and smaller may require a separate holder, supplied on request) | 75 x 49mm (3" x 2") |
| Minimum step increment | 0.4 μm |
| Reproducibility of position (remounted slide) | approx. 4 μm |
| Movement speed: <ul style="list-style-type: none"> ◆ one full x-traverse ◆ single point count (including key-press and stepper movement) | 14 seconds <1 second |

| <i>Communications and Power</i> | |
|--|--|
| Power supply | 12V input supplied via transformer from 110-240V, 50/60Hz mains supply |
| Communications with PC | Null modem cable into Serial (comms) port, or USB via standard 3 rd party interface (supplied on request) |
| EMC Radiation compliance | Designed to comply with FCC Part 15.249 |

Due to its advanced design and miniaturised electronic components, **MicroStepper™** is only 12mm deep, an important component of its usability in the restricted space environment of rotating stage polarising microscopy.



The slide is held against the microscope stage surface, minimising drift in the Z axis and hence reducing the amount of re-focusing required during a traverse.

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