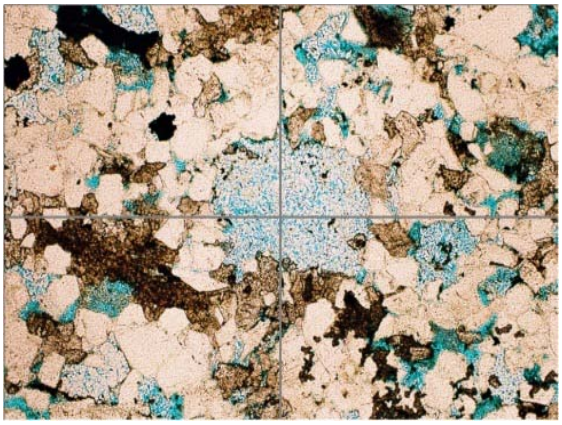
PETROG™

The World's Leading Digital Petrography Tool

PETROG™ is a petrographic textural and compositional analysis tool for the oil industry, which can be easily configured for the collection of igneous, metamorphic, ore, biostratigraphic or coal data. PETROG™ has been designed by petrographers and users of petrography data, for optimum petrographic data collection and analysis.

Image shows a 3" x 2" slide



PETROG™ Feature Highlights

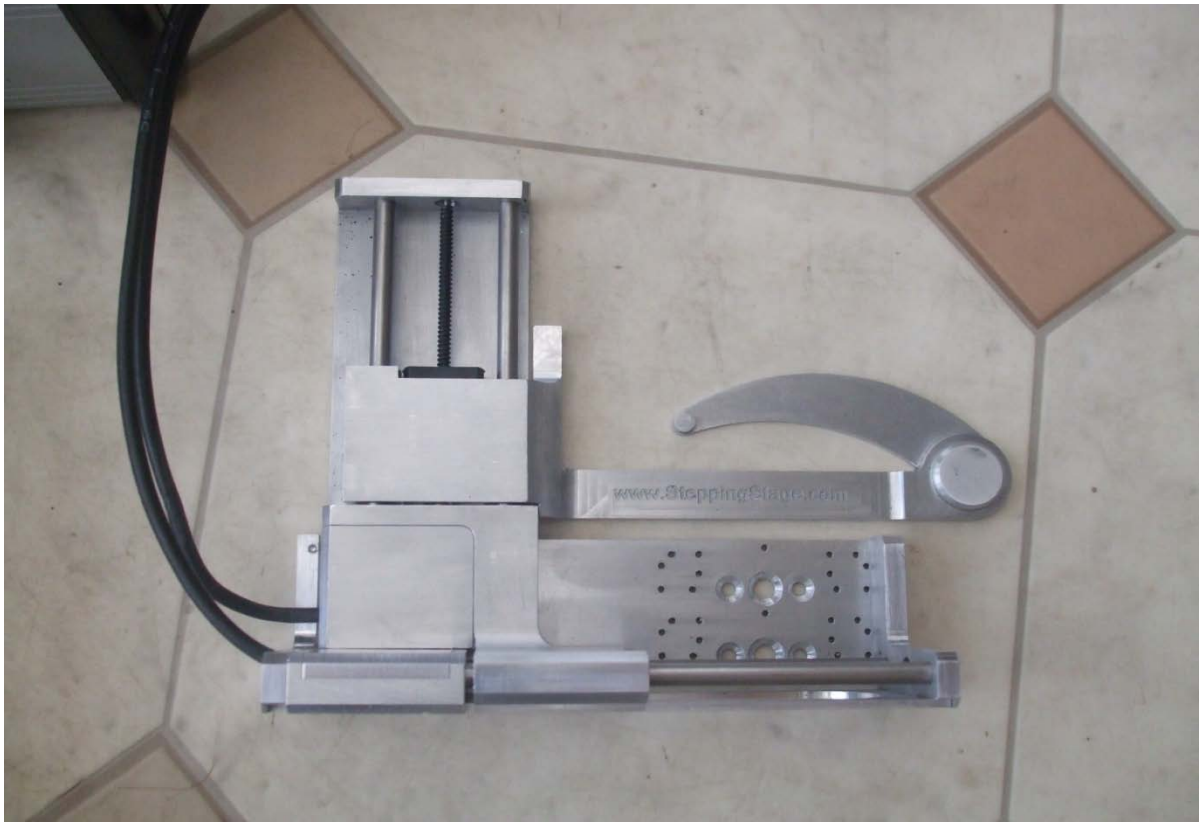
* Fully motorised high precision stepping stage
* Quantitative compositional and textural data capture
* Microporosity calculation for matrix and authigenic minerals
* Editing and review of data
* Ternary diagrams
* XRD data comparison
* Dictionaried multi-level relational compositional data entry
* Relate image with reports and QC for each analysis point

Not all point counts require the detail available through **PETROG™.** The automated stepping stage used by **PETROG™** can also be driven independently from a computer keyboard, turning the keyboard into a point counter with up to 94 channels. This is **PetrogLite™.** Unlike **PETROG™**, **PetrogLite™** does not support a camera, and hence the entry level cost is substantially lower.

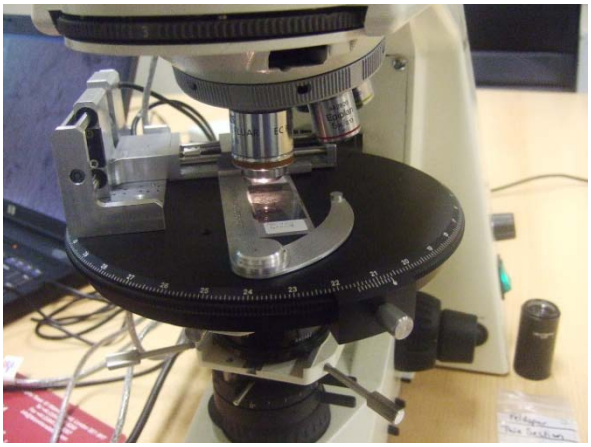
PETROG™ and PetrogLite™ Packing List

1. PETROG™ or PetrogLite™ software on CD
2. ID818 Mk1.5 Stepping Stage, consisting of:
   Stepper;
   Control box;
   RS-232 lead and USB-to-Serial converter;
   Mains power lead and AC adapter;
   Retaining screw (and spare);
   Adaptor for small (5cm x 2.5cm) slides (¾ circular disk);
   all contained in custom-built, metallic-finish, foam-padded carrying case.

See later pages for information on cameras and additional accessories that may be required.



ID818 Stepping Stage



Stepper assembly and attached communications leads. Attaches to all major POL microscopes in use for geology. The stepper has a low profile on the stage, with a high-rise part well away from the microscope's objectives and turret.

The stepper can also be fitted to older microscope stages, and even the smaller stages fitted to earlier models

Front and rear views of the **Control box** (17.5cm x 11 x 5.5 cm)

Camera **Not applicable for PetrogLite™**

PETROG™ supports many leading digital video cameras, including the entire PixeLink range, the Leica DFC range, many QImaging cameras and some Zeiss cameras. Our advice will depend on both the local support available and the operational requirements, but typically we would recommend one of the cameras below.

PixeLink PL-B873-CU 2Mpx CCD Camera

Leica DFC 295 Camera

We recommend a video camera, as opposed to a still image camera, for the faster response, reducing the frustration of waiting for the image to catch up when re-focussing, rotating the stage, or changing filters. The cameras we recommend are a good balance between resolution, providing sufficient resolution to print high quality pictures for reports, and speed of response (refresh rate), but please bear in mind that the latter depends on the speed of the computer as well as on the camera. In our opinion these cameras provide sufficient image quality for petrographic analysis but if you choose a higher resolution camera because you intend to also use the camera for other applications, which require higher resolutions, then **PETROG**™ will accommodate and use the higher resolution available.

Accessories

Adaptors for small slides and retaining screws

Mains power lead and AC adapter

C-mount adaptor (if required)
(varies dependent on camera and microscope in use)

IEEE 1394 (Firewire) PCI card (if required)

Located in custom-built, metallic-finish, foam-padded **carrying case** (27.5 x 27.5 x 14 cm)

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