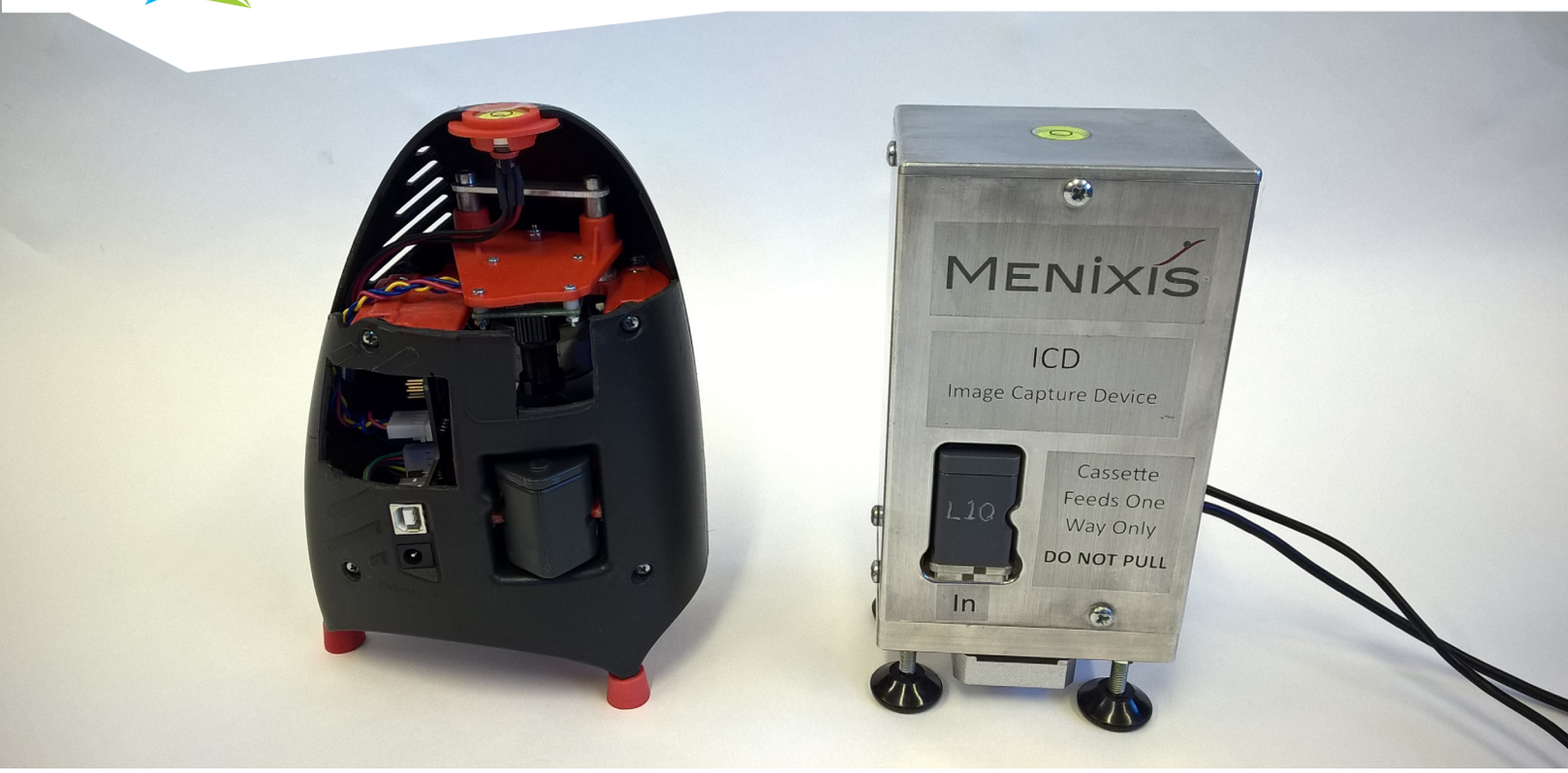
LINCOLN AGRITECH LTD



FECPAK^{G2}

Together with Dunedin-based agricultural technology company, Techion Group, Lincoln Agritech scientists have developed a novel instrumentation platform - FECPAK^{G2} – to identify parasitic worm eggs for the veterinary health industry.

FECPAK^{G2} is a depth-of-field microscopy diagnostic tool that counts eggs in faecal samples. The technology includes a proprietary sample cartridge, causing egg particles to beach on a centrally mounted conical light rod. A cartridge feeding system, including customised optics, automatically positions the sample cartridge and focuses the optics to take a number of images. These images are then stitched together and submitted online to Techion's laboratory for parasite identification.

The cloudbased system means lab samples can be analysed from anywhere in the world without a physical sample ever needing to be shipped.

Following a successful launch, for livestock parasites in NZ and the UK, Techion is now validating the technology for targeting the human health market. The technology received a Grand Challenges Explorations award (part of the Bill & Melinda Gates Foundation) for the University of Otago to investigate applications in developing nations for human health.

Techion Group Ltd
TECHNOLOGY IN ACTION

FECPAK^{G2}
Remote Location Parasite Diagnostics

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