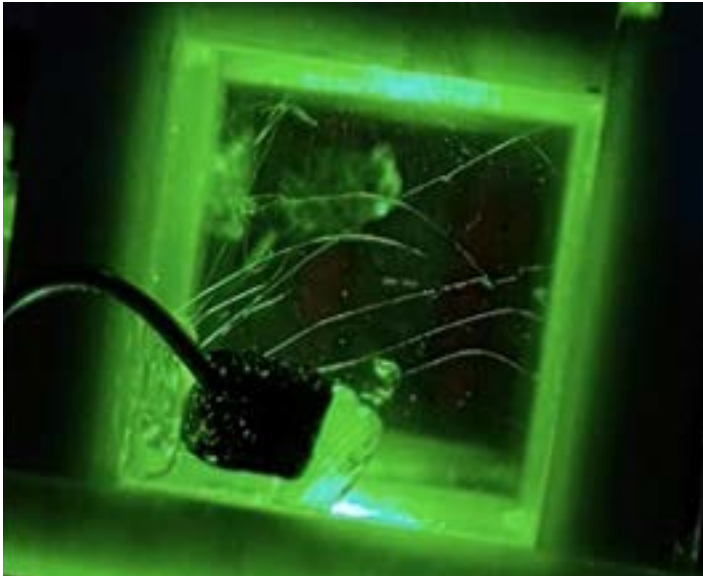


Drop Levitating & Mixing System

CONTACTLESS MICRODROP LEVITATION, MIXING AND TRANSPORT



State-of-the-art system for advanced R&D and breakthrough scientific applications.

Highly advanced microdrop levitation, mixing and transportation in free space. Microdrops can be contactlessly suspended in free space for long periods of time if needed. Microdrops of different materials can be mixed, reaction kinetics can be accelerated and the product levitated or deposited as required.

Microdrops can be contactlessly transported long distances and deposited on target substrates. This state-of-the-art technology is targeted at advanced R&D and breakthrough scientific applications.

FEATURES & BENEFITS

Patented disposable dispensing cartridge technology

No cross-contamination by design, change fluids in a matter of minutes, no wastage of precious fluids, with a nozzle anti-clogging feature.

Ultra-low volume dispensing

Single microdrop volumes can be programmed to be any volume in the range of 5pl to 120pl (contingent on well-engineered fluids).

Customisable

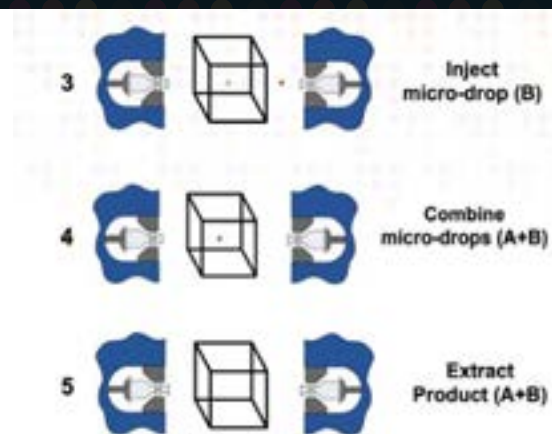
Custom configurations possible to suite your specific application requirements.

Ongoing software upgrades

Keep up to date with the latest features and capabilities. (Optional).

1-year & extended warranties

Includes a 1-year parts and labour, return to factory warranty. Option to extend the warranty for 3 to 5-years also available.



APPLICATIONS & MATERIALS

Our micro dispensing system is proven to deliver for a wide range of applications and materials, including:

- ✓ Viruses
- ✓ Proteins / Antibodies
- ✓ Active Pharmaceutical Ingredients
- ✓ DNA / RNA
- ✓ Protein microcrystals
- ✓ Nano-materials
- ✓ Bio-assays
- ✓ Sensor technology
- ✓ Imaging systems
- ✓ Microarrays

ACCESSORIES

Additions, upgrades and replacement parts.

A wide range of accessories including cameras, dispensing cartridges, maintenance kits and more.



Target Viewing Camera

The vertical target viewing camera is an invaluable accessory to assist in the precise alignment of dispensed microdrops and the target locations.



Dispensing Cartridges

Polypico offer an off-the-shelf range of dispensing cartridges with different orifice sizes, for immediate delivery. Standard orifice sizes include: 30µm; 50µm; 70µm; 100µm and 120µm.



Filling Bridge

Filling bridges make the filling of dispensing cartridges from 96 well plates simple and easy to do. They are also a convenient way of storing dispensing cartridges.



Suction Cups Adapter

Suction cup adapters fit standard 200ul pipettes. Suction cup adapters are used when aspirating fluids into dispensing cartridges.



Maintenance Kits

Service and maintenance kits are available for the PicoSpotter systems / robotics platform, which consists of lubricants and instructions on the cleaning and reapplication of lubricants.

SPECIFICATIONS

Levitated micro-drop size	Application specific (fluid dependant). Typical range: 20pl to 100pl
Speed	Droplets can be mixed at a rate of approx 10Hz Droplets transport speed – application specific Example speed: 0.1m /sec for 50pl microdrop
Dimensions	System dependent
Weight	System dependent
Enclosed	System dependent