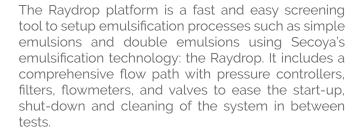
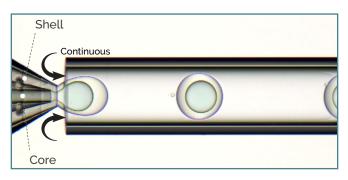


- Precise control of droplet size (30 400µm)
- > Easy screening on formulation
- Highly flexible: water-in-oil and oil-in-water droplets
- Handling of low volume samples



A suitable optical system guarantees the optimum visualisation of the emulsification process inside the Raydrop.



The way we produce droplets, particles and capsules relies on the use of couples of capillaries perfectly aligned in a metallic chamber. The first capillary is terminated with a 3D-printed nozzle and injects the droplet phase in the junction. The second one is the only output of the system, so it collects both phases, the droplet phase and the continuous phase filling the chamber under pressure.

The droplets are produced by the controlled squeezing of the droplet phase by the continuous phase at the entrance of the collection capillary

> Application types













KEY FEATURES:

- Compatible with the single and double emulsion Raydrop
- **3 pressure controllers** (0-7 bars or 0-2 bars)
- 5 reservoirs
- 3 flowmeters (Continuous phase: 0-1mL/min (water); dispersed phase: 0-120 µL/min(water))
- Complete flow path executed with 250 μm ID PFA tubing, valves and filters (10 μm filter for continuous phase; 2 μm filters for dispersed phases)
- Complete optical system including colour camera for precise observation and video acquisition
- Designed for use in fume hoods, special designed cabinets, and gloveboxes.
- CE certified equipment

