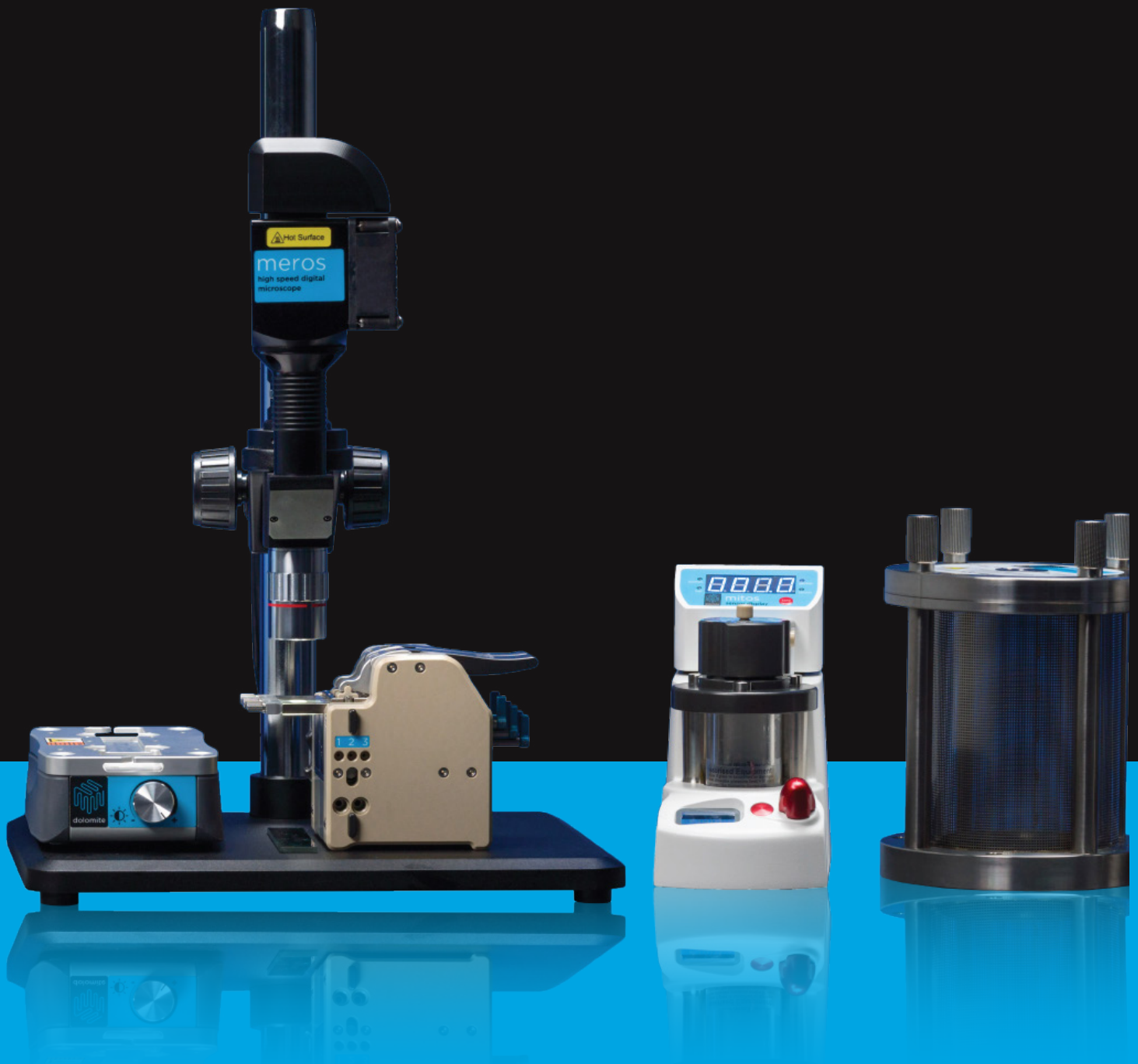


TELOS[®] HIGH THROUGHPUT DROPLET SYSTEM



Unleashing Speed, Scale, and Flexibility



The Telos System is an innovative microfluidic platform designed for high-throughput droplet, particle, and flow product generation. It addresses the limitations of individual microfluidic chips by offering a modular, scalable, and flexible solution.

The Telos System operates through a module that houses a Telos Chip with 4-7 microfluidic channels. Each module is equipped with integrated valves, filters, and optical access, allowing for excellent visibility and manipulation of the process. By stacking up to 10 Clamp Modules on a Support Frame, the Telos System can achieve parallel production rates of up to 30 litres per day, meeting the demands of large-scale applications.

The Telos System offers:

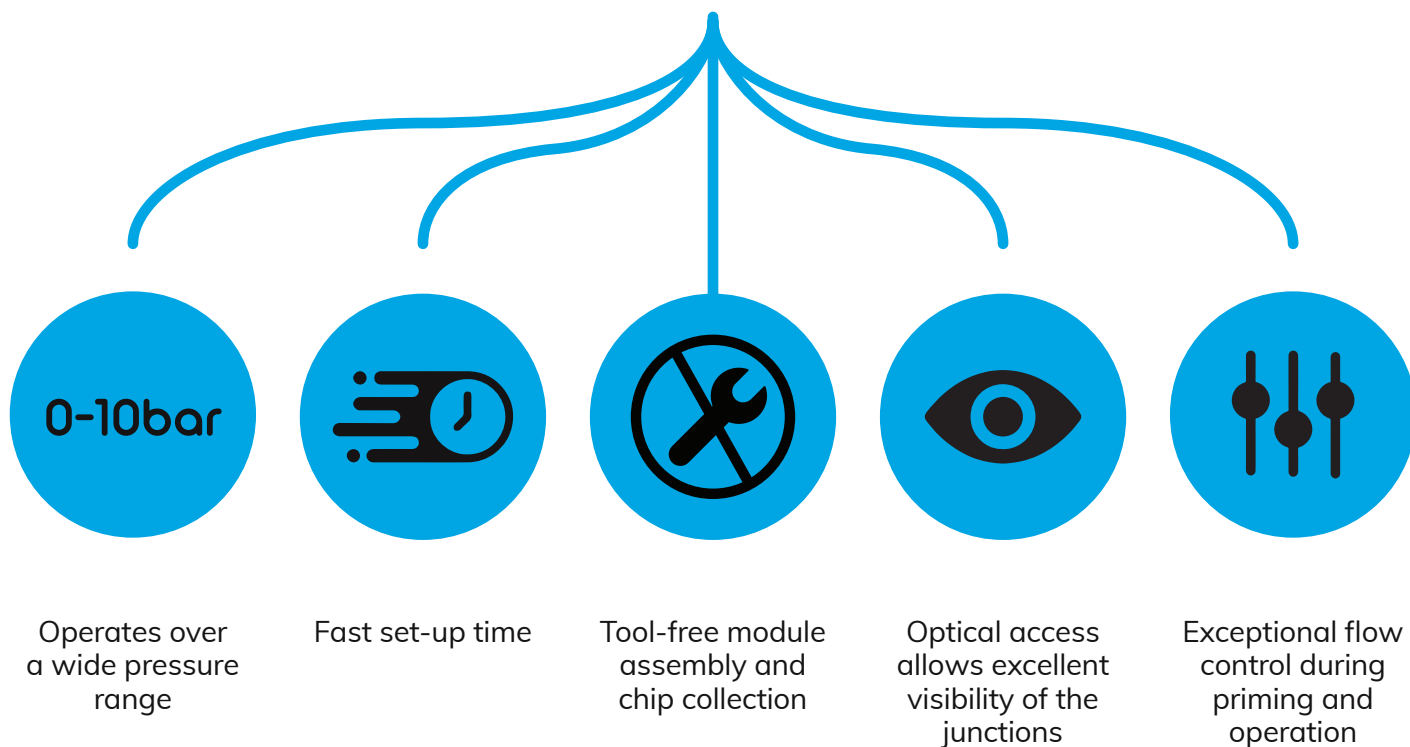
1. Improved throughput, allowing the production of liters of droplets or particles in a single day.
2. Scalability, which is crucial for applications requiring substantial material quantities within short timeframes.
3. Excellent control and performance, ensuring the generation of monodisperse droplets with precise size ranges.
4. Modular design, enabling easy assembly and tool-free maintenance.
5. Flexibility in configuring the system according to specific needs.

Discover the power of the Telos System today and unlock limitless possibilities in high-throughput microfluidic processes. Transform your research and industrial workflows with its scalable, flexible, and high-performance capabilities.

Contact us now to experience the future of microfluidics with Telos.



FEATURES AND BENEFITS



APPLICATIONS

Telos benefits a wide range of industries including pharmaceutical, food, agrochemical, cosmetics and research and can be used for the following applications:

- DNA, cell and bead encapsulation and screening
- High throughput emulsion and foam generation
- Microparticle and nanoparticle synthesis
- Novel product formulation
- Micro-reaction engineering

CUSTOM OPTIONS

Telos can be customized in many ways, for example with features such as temperature control, production of core/shell particles, etc. A wide variety of channel geometries may be implemented, allowing the system to be customized for many different applications. Please contact us to discuss your exact requirements!

GET IN TOUCH

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