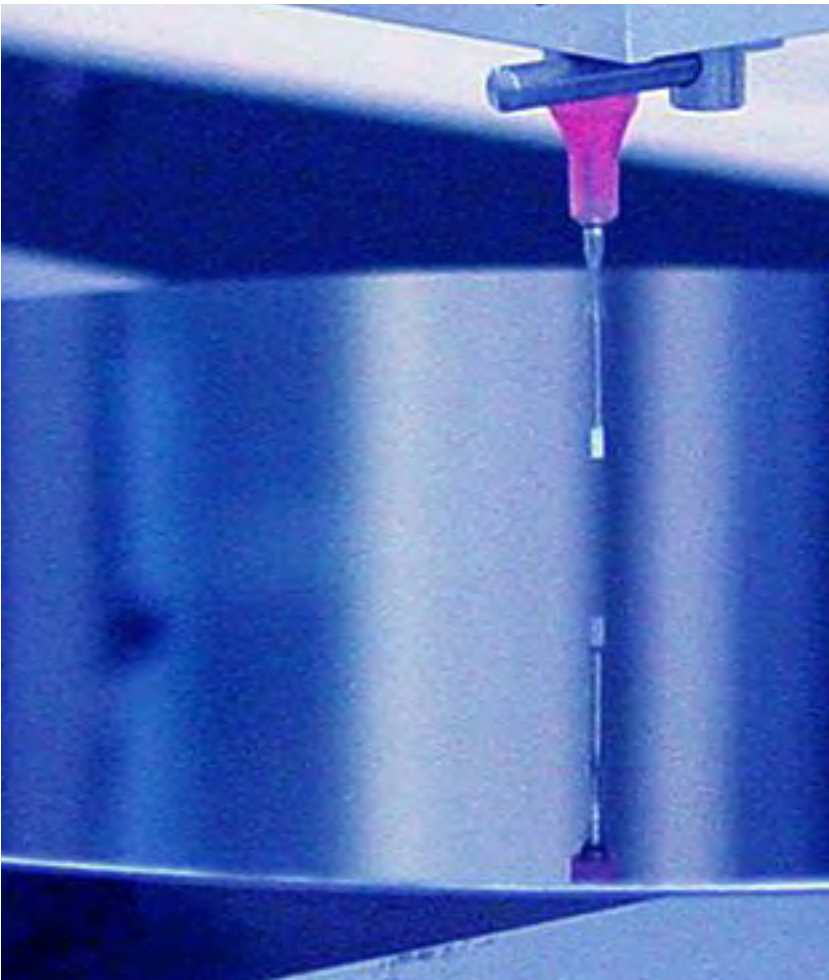


PMP 800 Series



Peristaltic Micro Pump Technology for High Accuracy, Flexible and Cost Efficient Multiple Tasks.

Features

- Provides micro structuring and dispensing of a variety of different viscous materials up to 80.000 mPa.s
- Reduces material waste and improves material utilization with minimal maintenance
- Wear and maintenance free one-way plastic micro pump body
- Interdependent to viscosity, PMP 800 can be configured jetting materials
- Changes in parts and substrates can be accommodated without downtime and tooling changes

Applicable Industries: Electronics, Chemistry, Food, Precision Engineering, Machines and Devices, Medical Engineering, Pharmaceuticals, Packaging.

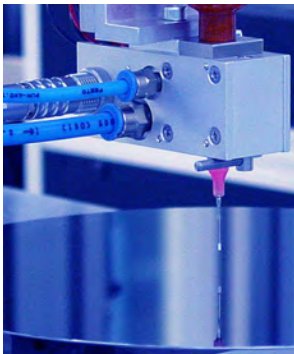
The application of ultra small material volumes of different nature is getting more important as miniaturization of products is evolving. PMP 800 in a superior manner, accomplishes these requirements, offering a technology platform deploying a scale of technological and application potentials, that can become utilized for your typical demand.

Beyond the variety of viscous materials, that can be applied, the PMP 800 accommodate changes in parts or substrates and is capable of micro dispensing lines and dots, without costly downtime and tooling changes. Micro structuring parameters can be changed quickly and easily using programmed geometries stored in a PC.

Micro Dispensing Technologies



PMP 800 Series



Processable fluids:	80.000 mPa.s
Dot diameter range:	80 µm- 1.000 µm
Dot volume range:	100 picoliter-250 nanoliter
Reproducibility:	± 3%
Maximum volumetric variation:	500 µL/h-5,0 ml/h
Peristaltic dosing	
Wear and maintenance free one-way plastic micro pump body	

Functional principles PMP 800

The peristaltic micro pump technology is a pneumatical operating 3 cavity membrane system.

As a result of the pneumatical control of the individual membrane cavities, a displacement of the medium in each cavity is being achieved. Resultant, the peristaltic sequence of the membrane transports the medium. This also secures optimum medium treatment.

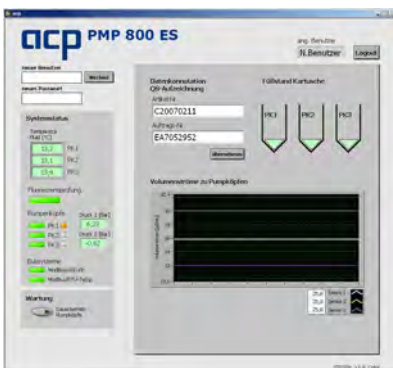
As frequency and cavity volumes can be programmed and adjusted on an individual base, PMP 800 can be configured jetting for a variety of media.

Scope of Supply

- PMP 800 Peristaltic micro pump system
- Electronic pneumatic control unit, standard PC serial port, machine signal I/O port
- High grade steel micro pump body
- Plastic micro pump body (maintenance free)
- Membrane
- Interconnecting cable 1,5 m
- Pneumatic hose Ø 4mm, Ø 6mm, 1,5 m

Optional:

- positioning device
- camera supported positioning system
- triangulation system
- top hat rail for system integration
- stand-alone enterprise solution



Optional Platform

All specifications are believed to be true and accurate representation of system capabilities and are subject to change without prior notice.

Contact us for your specific application requirement.