

Reduce costs, increase productivity

Fluids applied economically

Our highly efficient technology for applying fluids results in **huge cost savings**.

Thanks to **significantly lower material usage**, procurement and storage costs can be greatly reduced.

Increased productivity with HIESSL minimal lubrication systems

Non-cutting applications

Targeted and automated spraying of **microparticles** allows fluids to be applied more precisely and uniformly to the surface. Microparticles adhere even at higher pressures and increase their surface area under pressure, **markedly increasing their lubrication properties**.

Cutting applications

Several times **longer lifetime** resulting from rapid removal of heat from the cutting tool. Feed rates can also be substantially improved.



The systems provider for lubrication technology

For over 20 years, **HIESSL Schmiertechnik GmbH** has been manufacturing and supplying lubrication systems for belts, circuit boards and molded parts, as well as associated lubricants and modular custom spray units for cutting applications.

As specialists in minimal quantity lubrication, our team works in collaboration with our clients to develop optimal solutions for every industry.

We are full of ideas to introduce a variety of new materials and fluids into your production processes.

More at www.hiessl.de

Distribution partner

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MICROFLUID minimal lubrication system

All systems
available with
500 ml, 1000 ml
and 2000 ml
tanks



Innovative and
multifunctional control unit
Modular design,
compact construction

HIESSL
Fluids applied economically

Modular design, compact construction

Process-optimized operation

Precision pressure gages allow for optimal adjustment of container pressure and air supply at the nozzles.



Flexible output system

Practical 4-way outputs for attaching nozzles. The number of nozzles can be increased further by an additional divider unit. High-quality, precision solenoid valves prevent excess air and fluids from reaching the spray nozzles.



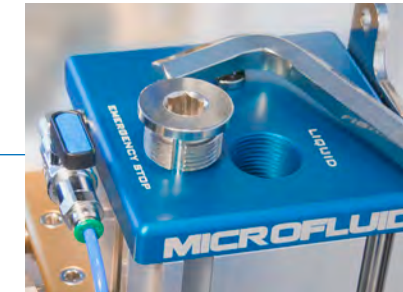
The innovative and multifunctional control unit



Practical and flexible delivery system

Self-de-aerating tank

When the compact safety filling screw is opened with the supplied hex key, excess pressure is released via the indent recessed in the screw.



Technical details:

- Suitable for a variety of Group 1 fluids
- Maximum permitted tank pressure of 6 bar
- Standard configuration of 1 bar (safety valve)
- 24 VDC solenoid valve, 230 VAC on request
- Valve with manually assisted operation
- Highly resistant sealing material
- Permitted temperature: -10°C to +50°C
- Tank volume: 500 ml, 1000 ml and 2000 ml

MICROFLUID
minimal lubrication system

