microjet®

A SOLUTION TO EVERY APPLICATION

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THE SYSTEM

***microjet*® minimum-consumption lubricating systems are modifiable and expandable at will.**
Our claim reads: There is a solution to your application, too.

Tank

4 standard tank sizes:
MKS-G 100 MKS-G 500,
MKS-G 260 MKS-G 1000
The tank can also be supplied built into a case.

Control and regulation unit

Intermediate manifold with different control manifolds.

HSC Technology

Cold forming

flexible lubrication

Sawing ribbon lubrication

Examples show various applications.

YOUR BENEFITS

Tools
Longer tool service life, reduced tool friction.

Workplace and working environment
Cleaner workplace, dry workpieces.

Machines
Shorter downtimes thanks to less maintenance and shorter set-up times.

Production
Production rise through increased cutting parameters and tool service life.
Improved manufacturing quality.

Cleaning
Costs for cleaning workpieces, machines and their immediate environment can be considerably reduced.

Safety
Reduced risk of accident thanks to clean, oil-free floors, no skin diseases caused by bacteria or fungus infections, none of the resulting staff failures.

Economy of operation
Shortest pay-off time, often less than a year.
Lubricant savings of up to 80%.
Profitable recycling of raw materials.

OUR ADRESS

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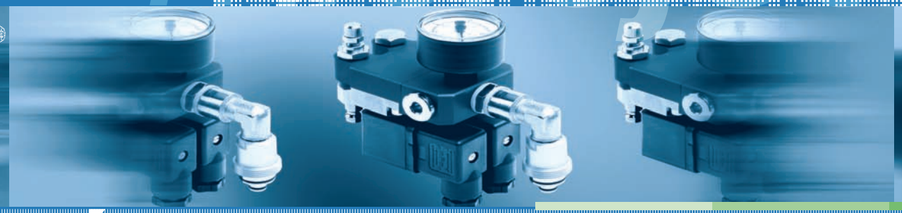
MINIMUM OF QUANTITY

microjet® System

microjet® GmbH
Minimum-quantity lubrication systems

microjet®

MINIMALMENGEN-SCHMIERSYSTEME



TANK

Flexible *micro*jet® modular system

Depending on the application, on whether it will be operated on one-shift or several shifts, system tanks of various sizes are available. Standard sizes: 1.6 > 2.6 > 5.0 and 10.0 litres. Special sizes on request.

MKS-G 260, 500, 1000

Every single system tank is able to supply one or several machining points with lubricant.

Accessories

- Electric oil level monitoring
- Pressure switch/Pressure sensor
- Continuous oil and air flow rate regulation
- Automatic refilling

Technical data:

System type MKS-G	100	260	500	1000	Unit
Max. pressure	7	7	7	7	bar
Max. capacity of tank	1.6	2.6	5	10	litre
Max. contents in tank	1.0	2.0	4.0	9.0	litre
Opening pressure of safety valve	7	7	7	7	bar
Operating pressure	0.5 to 6				bar
Air consumption depends on setting approx.	50 to 100 l/min/nozzle				
Lubricant consumption depends on setting approx.	5 to 200 ml/h/nozzle				
Control, manual	Manual-slide directional valve				
Control, electric	Solenoid valve 24 V, 110 V, 230 V				
Control, pneumatic	Control air up to 6 bar				

CONTROL AND REGULATION UNIT

Possible variants of *micro*jet® control and regulation units

Modular expansion manifolds allow to expand the *micro*jet® system to build complex installations. The triggering of manifolds can be manual, electric or pneumatic.

Examples comprised of several single components:

Single intermediate manifold

Double intermediate manifold

Control manifold electric

Control manifold pneumatic

Some possible combinations:

Single intermediate manifold with coupled control manifold, electrically.

Double intermediate manifold with coupled control manifold, electrically.
(1 reserve connection)

Double intermediate manifold with two coupled control manifolds, electrically.

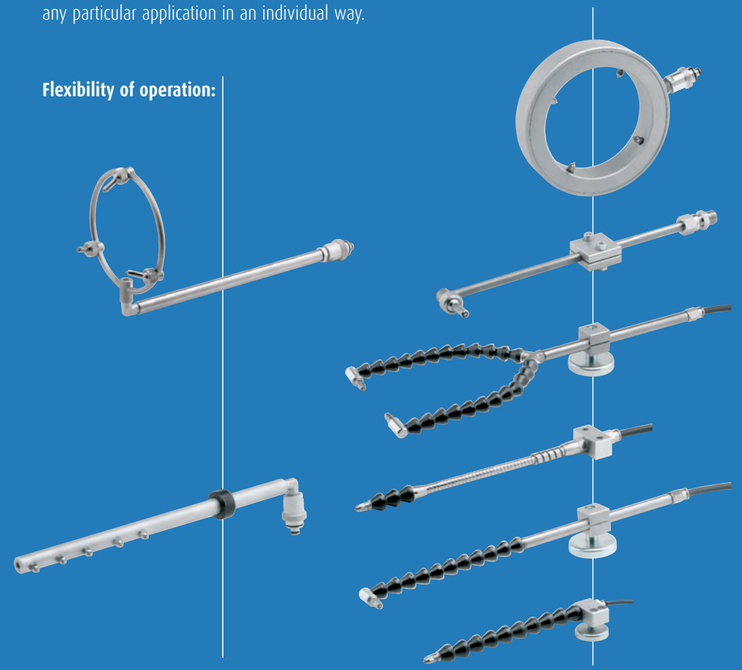
Double intermediate manifold with coupled control manifold, pneumatic.
(1 reserve connection)

HOSE BUNDLES

It's the *micro*jet® hose bundles that make this system so flexible

The comprehensive range of nozzle hose bundles available allows to solve any particular application in an individual way.

Flexibility of operation:



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