

TECHNOLOGY OF AEROSOL MASTER®

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|------------------------------|---------------------------------|
| Dimension (HxWxD) | 600 x 600 x 210 |
| Space (HxWxD) | 750 x 640 x 830 |
| Weight | approx. 40 kg |
| Capacity | approx. 2,3 l |
| Use amount | aprox. 1,7 l |
| Power supply | 24 VDC |
| Power consumption | 4A |
| Inlet pressure | 6 bar – 10 bar |
| Compressed air quality class | 5 ISO 8573-1 |
| Compressed air supply | 1 Nm ³ /min at 6 bar |
| Air consumption* | 10 NI/min – 1300 NI/min |
| Oil quantity** | 0 ml/h – 350 ml/h |
| Cooling gas consumption*** | 3kg/h – 10kg/h |
| Level monitoring | 4-point, 24 VDC |
| Aerosol container pressure | max. 10 bar |
| Aerosol pressure | 0,5 – 9 bar |



AEROSOL MASTER®

NOTES

ROTHER TECHNOLOGIE

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Image source: EMUGE FRANKEN,
Hermle AG, Rother Technologie

ATS®

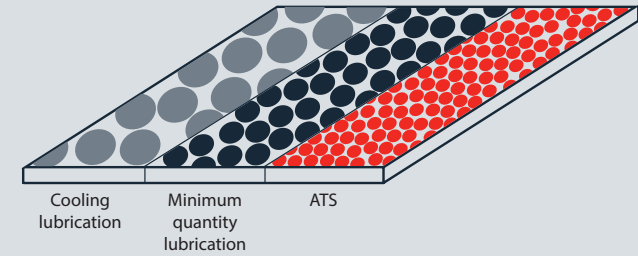
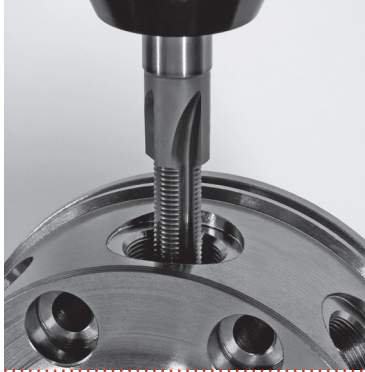
AEROSOL
TROCKENSCHMIERUNG

AEROSOL DRY LUBRICATION
THE FUTURE IS NOW

* Dependent on the internal cooling channel diameter and container pressure

** dependent on the internal cooling channel diameter, container pressure and lubricant

*** dependent on material to be cut by chip removal and the applied tools



PRODUCTIVITY THAT PROTECTS THE ENVIRONMENT

JOIN US AND GET AHEAD

RESOURCE EFFICIENCY

Up to 60 % more energy-efficient compared to the use of a central cooling lubrication device

COST REDUCTION

Tools
Maintenance
Cleaning
Space
Lubricant

GAIN IN PRODUCTIVITY

Up to 50 % higher parameters

VERSATILITY

Appropriate for materials of all industries:
Automotive industry
General mechanical engineering
Medical engineering
Aerospace

SCOPE OF APPLICATION

Milling
Turning
Rubbing
Thread cutting, thread moulding, thread milling
Deep-hole drilling, drilling
Grinding

Comparison lubricant application

Lubricant particles on the way to nanotechnology (in the scale of 0,1 µm) guarantee maximum lubrication at lowest consumption.

ENVIRONMENTAL ASPECTS

Gentle on resources
No health risk to staff
Safe working environment

CHARACTERISTICS

Cold aerosol (down to -78° C) at high process temperatures
Cooling channels of tools <0,5 mm possible
PID control for aerosol production

