

# UNICUT® Minimum Quantity Lubrication Systems

## • FIELDS OF APPLICATION

UNICUT® minimum quantity lubrication systems offer a wide range of possible applications with the focus on circular saws, band saws, die cutting and slitting lines. Additionally, we can realize custom-made solutions to meet our clients' individual needs..

## • OPERATION

UNICUT® MQL systems work with air pressure which means that the fluid is supplied by excess pressure and therefore pumps that are prone to malfunction are no longer necessary. The UNICUT® MQL systems is a fully reliable system which is particularly suited for large-scale industry applications.

The dosage nozzle, developed by UNICUT®, always feeds the right amount of lubricant. Fluid amounts can be adjusted easily and precisely and reproduced without any difficulties since the fluid dosage is only controlled by the pressure inside the container. A proportional valve is available as an option which allows the electronic control of fluid quantity.

## Benefits compared to other Lubrication Systems

- Reproducible results
- Very low consumption between 0.5 – 1.0 gram/minute
- Extremely reliable
- Very precise low-mist spray pattern
- Up to 100 lubrication points can be connected to one pressure container
- Oil and air flow can be adjusted independently
- All hose lines have a diameter of > 2.0 mm
- Solid design



**UNICUT® MMS - 30**  
Capacity: 3 litres



**UNICUT® MMS - 50**  
Capacity: 5 litres



**UNICUT® MMS - 100**  
Capacity: 10 litres



- ① Pressure container made of solid aluminium
- ② Easy quantity control via container pressure
- ③ Optional level monitoring using float switch
- ④ Solid design for large-scale industry or industrial application
- ⑤ Visual level control
- ⑥ Pressure gauge only made of metal and glass
- ⑦ Dual filter

- Optionally extendable due to modular design
- Pre-fitted for automatic refill with the optionally available UNICUT® filling station
- Suitable for network systems of up to 100 nozzles