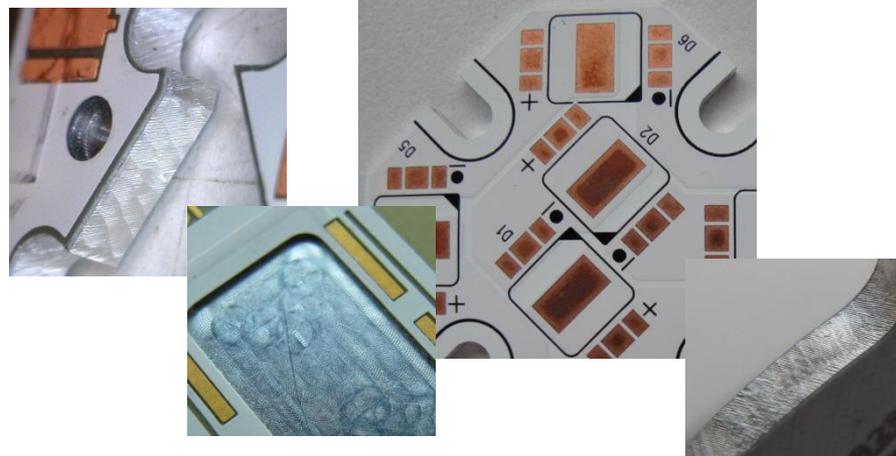


Spray Function MQL Minimum Quantity Lubrication

Perfect routing results

for alumina, copper and IMS materials



Spray Function MQL Minimum Quantity Lubrication

- CNC controlled in part program
- Jet integrated in pressure foot system
- Spray system available for 2-part easy-clean pressure foot
 - Both plastic insert or brush can be used
- System available for most routing machines (1 up to 6 stations)
- Different kinds of liquids can be used for the system - usage of liquid must be confirmed with Schmoll Maschinen
- **If wrong liquid is used explosion in customer exhaust system possible!**

Spray Unit System

Flexible Machine (1 – 4 station)
Microjet MKS-G 260



Tank capacity: 2.0l

Mass production machine (> 5 station)
Microjet MKS-G 500



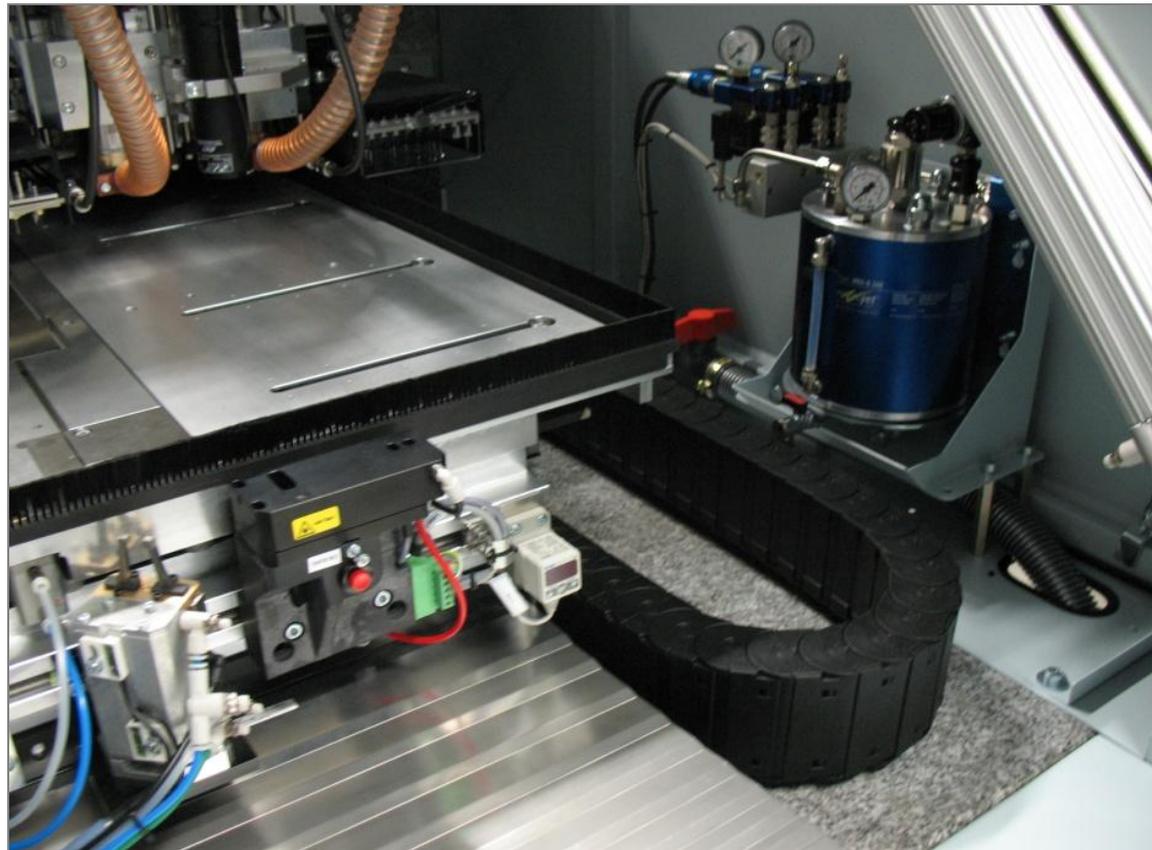
Tank capacity: 4.0l

Spray Function MQL

Minimum Quantity Lubrication

- Highlights
 - Clean process due to oil/air mixture and direct suction
 - no oil in complete machine room
 - Direct cooling of tool tip with integrated spray nozzle in pressure foot
 - Best routing result with optimized cooling
 - Function is switched on/off by command in program
 - demand-actuated consumption, as not always on
 - Low space requirements due to air and oil pipes integrated in 1x tube
 - best connection of
 - Spray function could be turned on/off by each station
 - Especially interesting for machines with more than 1x spindle

Spray Unit - 1 Station



Easy access for adjustment and refill!

Spray Unit - 5/6 Station

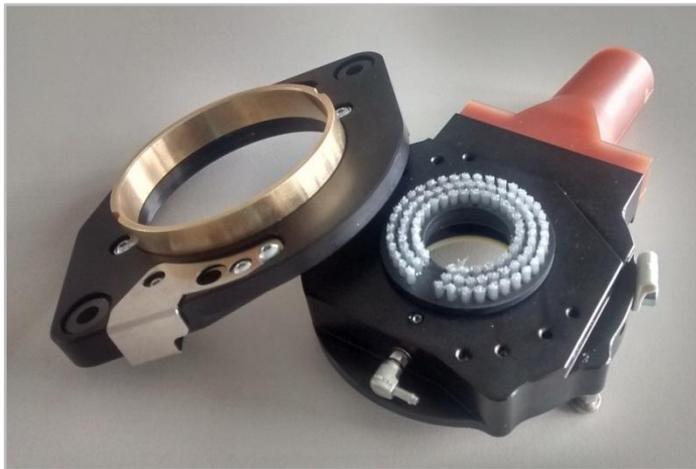


Valves, regulators and pressure gauges
for every station



Easy access for adjustment and refill
Window to check pressure gauge from
outside

2-Part Pressure Foot with Spray Function

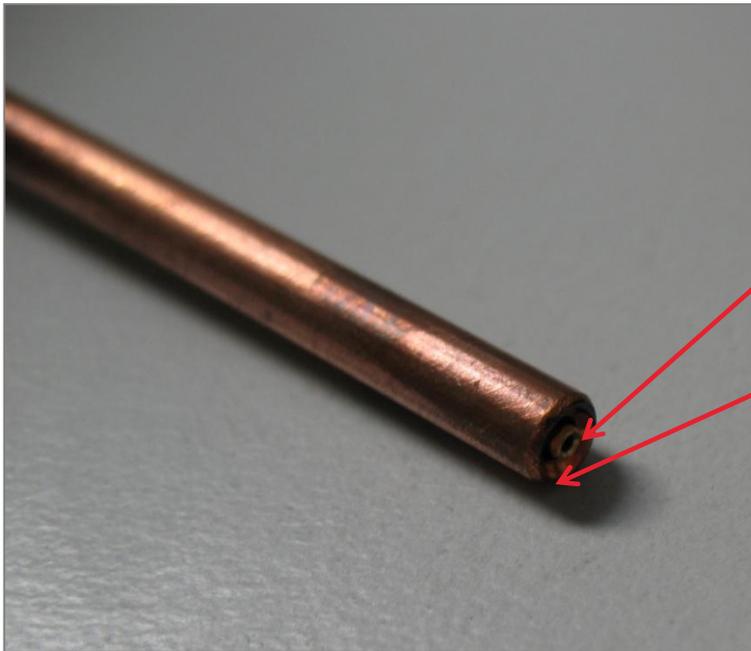


- Same system as 2-part design, but with additional spray nozzle for spray liquid
- Only in connection with MQL system available



- Insert can also be changed between plastic and brush
- Easy-clean function for fast releasing of dirt within the pressure foot

High-End Tube System for Air and Liquid



Cross section of tube

Inner tube for liquid

Outer tube for air

Cross section of tube



Spray System

Start Function: Command M85 in Part Program

End Function: Command M84 in Part Program

CNC/ Part Program

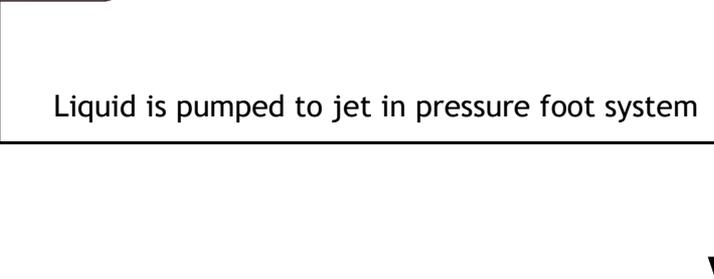
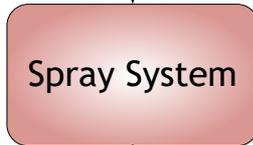
Spray System

Amount of volume per pump stroke can be set manually
Number of strokes per minute can be set manually

Liquid is pumped to jet in pressure foot system

Liquid is mixed with air and sprayed on tool

Pressure Foot



Overview of Spray Unit



Connection spraying air

