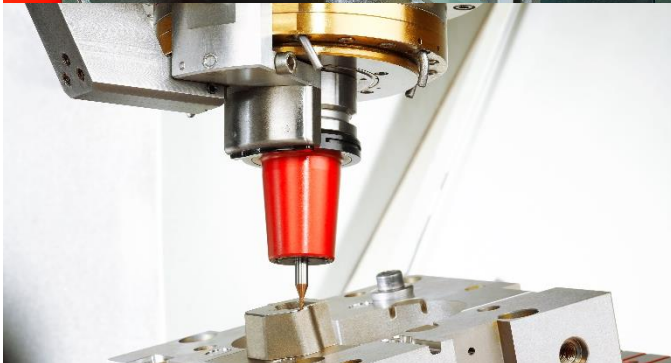


ZIMMER + KREIM WITH MHT:

## WIN-WIN- PARTNERSHIP OF THE EXPERTS



[Mediumverteiler]  
Frästechnik der Zukunft

### ZIMMER + KREIM LINEAR HANDLINGSYSTEM CHAMELEON

meets **MEDIUMVERTEILER**,

more economic and a greater effectivity

With its linear handlingsystem "Chameleon" The Zimmer + Kreim GmbH is internationally technology leading. For the first time now Zimmer + Kreim shows the integration of the "medium distributor" into the automation of the chameleon at the EMO 2017. The medium distributor itself is a new, innovative milling technology for effective cooling, lubrication, reliably removing swarf from the cutting edge and work piece thus helping to make the automation even more effective and productive.

#### Highlights Chameleon:

- continuous, cross-technology automation for several machines at the same time and all operations.
- modular construction, any time extendable
- flexible procedures and a transparent process.
- new: Equipment of the Chameleons now also with an articulated arm robot

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cool, blow, lubricate.

## MILLING TECHNOLOGY OF THE FUTURE!

Instead of using water and oil, the medium distributor cools the milling cutter with compressed air and reliably and constantly removes swarf, even from deep contours and grooves. The heart of the system is a fixed nozzle body which does not turn with the cutter. Nozzles arranged in a ring blow the air directly on to the cutting edge. This means that any milling machine can generally be run dry. If lubricant does have to be added to the air, an extremely small quantity of the lubricant, hydrocarbon or long-chain alcohol is sufficient compared to conventional milling machines.

# [Mediumverteiler]

Frästechnik der Zukunft

## Many advantages, which pay off.

### TOOL

- tool service life is significantly increased and leads to large savings in tool costs

### MILLING PROCESS

- shorter throughput times and milling processes due to higher feed rates and infeed's.

### SURFACE TREATMENT

- surface quality increases, making reworking unnecessary. The workpiece is already finished to a high quality directly after finishing.

### PRECISION

- the milling process is stable and thus significantly increases precision and repeat accuracy

### PROCESS RELIABILITY

- the discontinuation of wet management leads to drying of the machine and higher process reliability
- machine efficiency increases due to longer machine uptimes
- manual readjustment is no longer necessary and time needed for cleaning decreases drastically

### ENERGIE & INVIRONMENT

- the medium distributor saves energy through lower air consumption (1.1 kW= 200l/min.)
- It saves lubricant through low emulsion consumption (2 g lubricant/hour)

### OCCUPATIONAL SAFETY

- contaminated water/oil mixtures become superfluous
- less air contamination leads to improved working conditions for employees

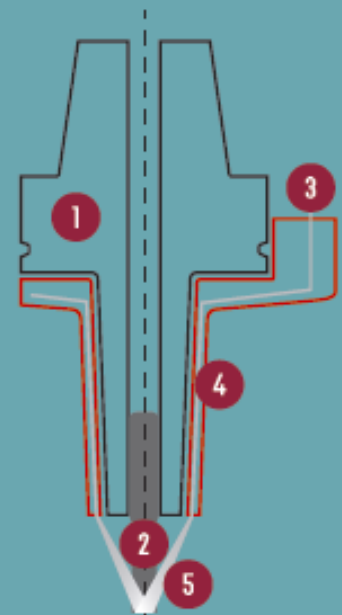
**Any questions?**  
**Don't hesitate to contact us**

HERBERT MERZ Vertrieb Schramberg

Fon +49 (0)7422 / 5206-97 / herbert.merz@mht-gmbh.de

THOMAS HAAG Vertrieb Stuttgart

Fon +49 (0)711 / 9454 2790 / thomas.haag@mht-gmbh.de



1. TOOLHOLDER
2. MILLING TOOL
3. AIR OR LIQUID (AIR + LIQUID)
4. RED FIXED NOZZLE BODY
5. COMPRESSED AIR

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MHT GmbH Merz&Haag / Waldmössinger Str.56 / D-7813 Schramberg