Zimmer + Kreim with MHT:
Win-Win- Partnership of the Experts

Zimmer + Kreim Linear Handling System Chameleon meets Mediumverteiler.
more economic and a greater effectivity

With its linear handling system “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

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.
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 & ENVIRONMENT**
- 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

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