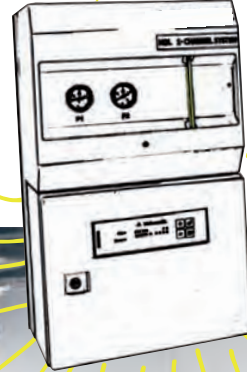


NEWS ABOUT MQL?

BIELOMATIK H1!



## **Bielomatik H1**

### **LATEST GENERATION 1-CHANNEL-SYSTEM**

#### **CHARACTERISTICS**

- More aerosol, higher aerosol density
- Pressure range up to 16 bar  
(25 bar optional)
- Easy operation by automatic mode

#### **IDEAL FOR**

- Transfer centers and machining centers  
in automated production lines
- Mainly use for machining of cast  
aluminum parts, cast iron parts &  
forged parts, etc.

#### **HIGHLIGHTS**

- Easy integration in your machine tool
- In-depth communication via field bus  
(Profibus / Profinet)
- With all the benefits of MQL regarding  
costs, resource-efficiency and  
environmental sustainability



## WIDEST APPLICATIONS:

- Precise adjustment by 30 programs and automatic mode
- Using up to 16 bar operational pressure enables highly demanding processes with smallest drills as well as deep hole drills
- Additional oil possible via auxiliary valve

## MAXIMUM PROCESS LIABILITY

- Automatic refill incl. filter
- In-depth diagnostic functions
- Monitoring of all operating parameters

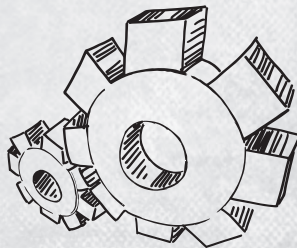
## BEST CUTTING PERFORMANCE BY

- Maximum aerosol quantity
- Maximum pressure on demand





# MACHINING FACTS !



- Cutting data according to tool manufacturer's specifications (coolant lubricant) are constantly achieved or outreached
- Only small amount of heat buildup at the tool and workpiece
- The majority of the heat generated is removed via chip evacuation
- Consistent spread of aerosol at the tool

## EXAMPLE

Deep hole drill Ø10mm, 25xD in 42CrMo4:

**Up to 50% reduction of cycle time**

## CONTACT

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