

maschine ID: No.: \_\_\_\_\_

## Questionnaire for Aluminum Die Casting Applications

Please answer the questions below so that we can suggest the optimal filter device for the respective application. Please fill out a separate questionnaire for every machine.

### 1. Machine type and brand

		Comment
Brand:		
Type:		
Size (tons):		
Year of manufacture:		

### 2. Productiondata

The weight and mass of the castings as well as the cycle time help to estimate the amount of smoke generated by the machine.

#### Weight/Casting:

< 1 kg

1-5 kg

5-10 kg

> 10 kg

#### Measurement/casting:

< 0.01 m<sup>2</sup>

0.01-0.04 m<sup>2</sup>

0.04-0.1 m<sup>2</sup>

>0.1 m<sup>2</sup>

#### Cycle Duration/Casting:

\_\_\_\_\_ sec.

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### 3. Release

To prevent the aluminum from sticking to the mold, a release agent is applied to the mold before casting. This release agent is usually water-based.

**Please attach data sheet for release agent if possible.**

		Comment
Brand:		
Type:		
Does it contain silicone?		
Concentration (%):		
How much release agent is used per cycle:		

**How is the release agent applied:**

Robot

Number of spray nozzles: \_\_\_\_\_ Spraying time/cycle: \_\_\_\_\_

Manual

### 4. Piston lubricant

The piston that presses the aluminum into the mold gets very hot and needs to be moistened and cooled. In order to be able to estimate the function and service life of the filter device, it is very important to know which lubricant is used and how it is applied.

**Please include a lubricant data sheet if possible.**

		Comment
Brand:		
Type:		
Graphite-containing?		
How much lubricant is used per cycle:		



## 5. Enclosure

In order to be able to collect the smoke from die-casting machines, the machine must be enclosed and/or fitted with a hood.

	Width	Length	Height	Comment
Total enclosure				
Hood				
Open machine				

**If possible, please attach photos and/or drawings!**

## 6. Drawings or photos

In order for us to find the best filter solution for a factory, please attach a drawing of the machine(s) with the distances between the machines and possible locations for filter devices. If the machine is partially enclosed, please attach drawings or photos of the machine.

