



## **KMA PRESS RELEASE** **GIFA 2007**

Trade fair „GIFA 2007“ in Düsseldorf / Germany from 12<sup>th</sup> – 16<sup>th</sup> June 2007

### **KMA ULTRAVENT: clean air in the die casting foundry**

KMA ULTRAVENT is the world's most sold waste air filter system for die casting machines. It covers a comprehensive range of smoke extraction hoods and heavy duty smoke filter systems in accordance with ISO 14000 standards.

New developments presented at GIFA 2007 in Düsseldorf:

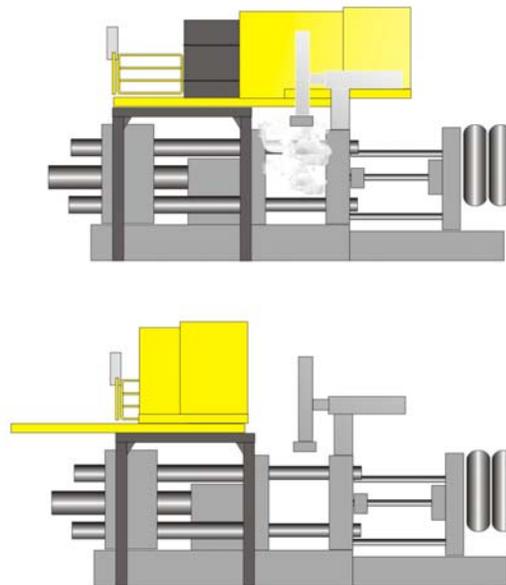
#### **KMA extraction- and filter systems for die casting machines in new design:**

Besides the "classic" ULTRAVENT smoke extraction and filter systems, which consist of a two-part fume extraction hood and an air purification filter in appropriate size to the die casting machine, KMA will present a new "telescope" hood. The telescope hood is made of two or three modules which cover the mold section and the shot area of the die casting machine. Due to a special smoke aspiration airstream at the lower edges of the hood it provides a high efficient capture of all smoke coming from the mold area as well as from the piston area.

In case of change of molds, the fume extraction hood can be removed from the die area within a few seconds by shifting the hood elements like a telescope over the smoke filter, which usually is placed on top of the lock area of the die casting machine. By this way an easy and unrestricted crane access to the molds is provided.

All smoke extraction hoods are linked with an ULTRAVENT smoke and waste air filter which provides a high efficient filtration of all kind of fumes and mist created by die or piston lubrication systems.

Due to the automatic filter cleaning system (cip) which is part of the ULTRAVENT filter, no frequent wash or change of filters is required.



#### **new PLC system control for KMA ULTRAVENT waste air filters:**

The new plc-control with Siemens S7-312 and KMA's new software *UV-PRO-LOGIC* provides an advanced filter control and surveillance. Because of its comprehensive features for filter monitoring and remote control, it meets all requirements for ISO 14000 certified companies.

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KMA ULTRAVENT telescope hoods



Scheme of a KMA ULTRAVENT filter system above a DCM