Extraction of Sticky Dusts

Solution for the laser processing of synthetics and textiles
Laser processing of synthetics or textiles releases sticky dusts as well as gases and odors. The utilization of simple fume extraction units, however, may lead to fast and irreversible filter clogging.

A specifically developed *combination solution*, consisting of three different components, comes to the rescue. A *cartridge filter system* is utilized for laser dust separation. A preconnected *filter-aid metering unit* increases the degree of separation.

The filter-aid powder, added to the flue gas, produces a protective layer on the filter cartridge surfaces, binding particulates into an easily removable filter cake. Finally, a downstream *storage filter unit* removes gases and odors from the exhaust air.

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**ULT AG**, Am Göpelteich 1, 02708 Löbau, Germany, Phone +49 (0) 3585 4128-0, Fax +49 (0) 3585 4128-11, Email ult@ult.de, URL www.ult.de/en