

THE TASK

Laser technology is increasingly used for the processing of metal substances. An increase in precision and productivity as the result of laser technology often creates a higher output of pollutants - often in submicron sizes. This impacts both the health of the operator and the functioning of the laser, but is preventable with suitable air pollution control equipment.

THE SOLUTION

Keller addresses these issues effectively with its line of dust control equipment. These units carry the BIA test certificate ZH 1/487 (for the categories U, S, G and C, - now M) for the efficient filtration of finest dust particles (in compliance with TRGS 560), which allows the recirculation of filtered air into the workplace.

All of the components of the exhaust system are compatible. We respond to inquiries by taking into consideration all applications individually, which enables us to quote a safe and environmentally friendly solution that will meet all of your requirements.

The compact dust collector L-Cut, especially developed for laser technology, provides the solution.

ADVANTAGES

- optimal air flow balance
- highly effective fine dust filter media with BIA test certificate for the categories U, S, G, C, - now M
- filter cleaning by compressed-air pulses, microprocessor controlled, thus energy saving
- cleaned air recirculation possible in compliance with TRGS 560
- stop valve over waste disposal bin provides easy bin exchange during operation
- compact design and low profile
- low maintenance; high accessibility
- dust-free waste disposal by pneumatic delivery
- easy transport because of integrated forklift transport rails
- environmentally friendly and economical waste disposal
- comprehensive services available



REFERENCES: LASER MACHINE MANUFACTURERS

Amada, Germany, Italy, Spain
Arnold, Germany
Bystronic, Germany, Switzerland
CR-Electronic, Germany
Durmazlar, Turkey
Gildemeister-Lasertec, Germany
Hankwang, South Korea
ITWC, Germany
MAZAK, Belgium, Germany
Prima Industrie, Italy, USA
Trumpf, Germany, USA
Stiefelmayer, Germany
Weil Engineering, Germany

REFERENCES: AUTOMOTIVE INDUSTRY

AUDI
- Neckarsulm, Germany
- Ingolstadt, Germany

BMW
- Dingolfing, Germany
- Landshut, Germany
- Leipzig, Germany
- Steyr, Austria

Daimler
- Esslingen-Mettingen, Germany
- Gaggenau, Germany
- Sindelfingen, Germany
- Stuttgart-Untertürkheim, Germany

VW
- Emden, Germany
- Brüssel, Germany
- Wolfsburg, Germany
- Braunschweig, Germany
- Salzgitter, Germany
- Shanghai, China
- Mexico
- Portugal
- Czech Republic