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Press release for the technical press
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Healthy and safe work – part 2

Infoline for reader and journalists
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Healthy and safe work pays off in the long run – part 2

Festool extraction systems for cleanliness and health

Health protection in the workplace includes air pollution control – at the customer's premises and in the workshop. Dust-free work is not only a requirement of the professional associations, but also a quality feature.

Dust must be eliminated

Clean work leaves the customer with a professional impression and achieves high-quality results with smooth work processes. The tradesperson benefits from this in terms of both business management and personal health protection. Occupational illnesses caused by dust are at the top of the statistics. If too much dust is inhaled at work, this can lead to coughing and chronic inflammation of the airways and to more severe illnesses.

*(BOX 1) Dust classes – see the end of the text
with image Festool_H&S_Part2_03*

With the aim of reducing health risks from dust, the Federal Ministry of Labour and Social Affairs (BMAS) has further reduced the occupational exposure limit for inhalable dust (E dust) and even finer, alveolar dust (A dust). These are very fine particles, measuring < 10 µm (one micrometre =

one thousandth of a millimetre), which can reach the air sacs (alveoli) (Source: www.bgbau.de/staubarm-bauen/).

Two types of dust extractor

- **Open system:** Machines with dedusting clean the main filter at regular intervals and ensure consistently high suction power. Machines of this type are practical for handling large amounts of fine dust, which accumulates when using long-reach sanders or restoration/diamond sanders. *(Image Festool_H&S_Part2_04.jpg)*
 ⇒ Mobile dust extractor with AUTOCLEAN (AC) filter cleaning + plastic disposal bag
- **Closed system:** A filter bag is necessary to operate units without dedusting. *(Image Festool_H&S_Part2_05.jpg)*
 ⇒ Mobile dust extractor with SELFCLEAN filter bag (single-use)

The right mobile dust extractor for your every need

Whether stationary or mobile on the construction site: Festool has the right mobile dust extractor for every application, depending on the amount of dust and the material to be extracted (see box with information about dust classes).

In addition to the dust class, the size of the dust container plays an important role too. Compact tools work well on construction sites, while large-capacity systems are the better choice for workshops.

(Images Festool_H&S_Part2_06.jpg to Festool_H&S_Part2_10.jpg)

Tips for practical applications

Technology is one thing, clean work is another. Even simple rules help to minimise dust and protect health. This includes wearing respiratory masks and protective goggles, using low-dust procedures, using consumables properly, vacuuming up the dust and ensuring that the tool and hose are connected securely and firmly, and last but not least, selecting the right extractor.

Philipp Stahl, Application Engineer at Festool, explains: "Efficient dust extraction not only keeps the working environment clean but also increases the service life of power tools: Less dust is able to penetrate the motor, the

bearings and the electronics, meaning that tools work more reliably and last longer. A win-win situation for health and quality. "

Information about Festool is available at **www.festool.co.uk**

Total approx. 3070 characters (including spaces)

(BOX 1) DUST CLASSES

The L, M and H dust classes indicate the degree of danger of the respective dust. An occupational exposure limit (OEL), given in mg/m³ air, and the required filtration efficiency of the filter system are provided for each type of hazardous dust.

Dust category L

Non-hazardous dust, not hazardous to health: Household dust or earth as well as paints and clear coats without lead-based additives

OEL > 1 mg/m³

Filtration efficiency > 99%

Dust category M

Medium hazard, hazardous to health: Wood dust, cement, filler, lime, plaster, paints and clear coats with lead-based additives (old clear coats) as well as materials containing quartz, such as sand and pebbles

OEL ≥ 0.1 mg/m³

Filtration efficiency > 99.9%

Dust category H

Highly dangerous, pathogenic dust: Asbestos, lead dust, glass wool, mould spores

OEL < 0.1 mg/m³

Filtration efficiency > 99.995%

Image: Festool_H&S_Part2_03

BOX 2 TECHNICAL RULES

The Technical Rules for Hazardous Substances (TRGS 504) regulates how to deal with the limit value for hazardous E and A dust. Since 1st January 2019, a binding limit value of 1.25 mg/m³ for E and A dust has applied on all construction sites and for all trades

Implementing the rules in practice requires effective technical solutions.

*HERE: Insert
country-specific
regulations if
necessary!*

Image preview



Image: Festool_H&S_Part2_01.jpg

Dust-free even when working with hard materials: Healthy employees are the most important capital of every company, which is why health and safety at work is becoming increasingly important – preferably with a coordinated system.



Image: Festool_H&S_Part2_02.jpg



Image: Festool_H&S_Part2_03.jpg

Clean is better and, above all, healthier – for you and your machine. Dust-free work is very easy if you observe a few rules, such as wearing a breathing mask and protective goggles, vacuuming up dust with a suitable extractor and using consumables properly.

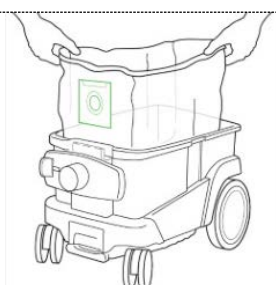


Image: Festool_H&S_Part2_04.jpg

Open system: Machines with dedusting clean the main filter at regular intervals and ensure consistently high suction power.



Image: Festool_H&S_Part2_05.jpg

Closed system: A filter bag is necessary to operate units without dedusting.



Image: Festool_H&S_Part2_06.jpg
 CT Mini – the compact assembly extractor for mobile use on the construction site.



Image: Festool_H&S_Part2_07.jpg
 CT Midi – the compact assembly extractor for mobile use on the construction site.



Image: Festool_H&S_Part2_08.jpg
 CTM 26/36 E AC Renofix – for extreme volumes of dust during milling and sanding work with high material removal capacity. This "power extractor" from Festool with a 26-litre or 36-litre container capacity removes all dust in the L and M dust classes, with constantly high suction power and automatic main filter cleaning.



Image: Festool_H&S_Part2_09.jpg
 CTM 36 E AC Planex
 More suction power with cleaning. Consistently high suction power and longer working intervals thanks to AUTOCLEAN (AC) automatic filter cleaning.



Image: Festool_H&S_Part2_10.jpg
 CTL SYS – the load-bearing system extractor for mobile use for smaller assembly and service work, even on scaffolding or ladders.

Image source: Festool GmbH