



Dustcontrol

Full Product Range

Mobile & Stationary Dust Extractors



DUSTCONTROL WORLDWIDE



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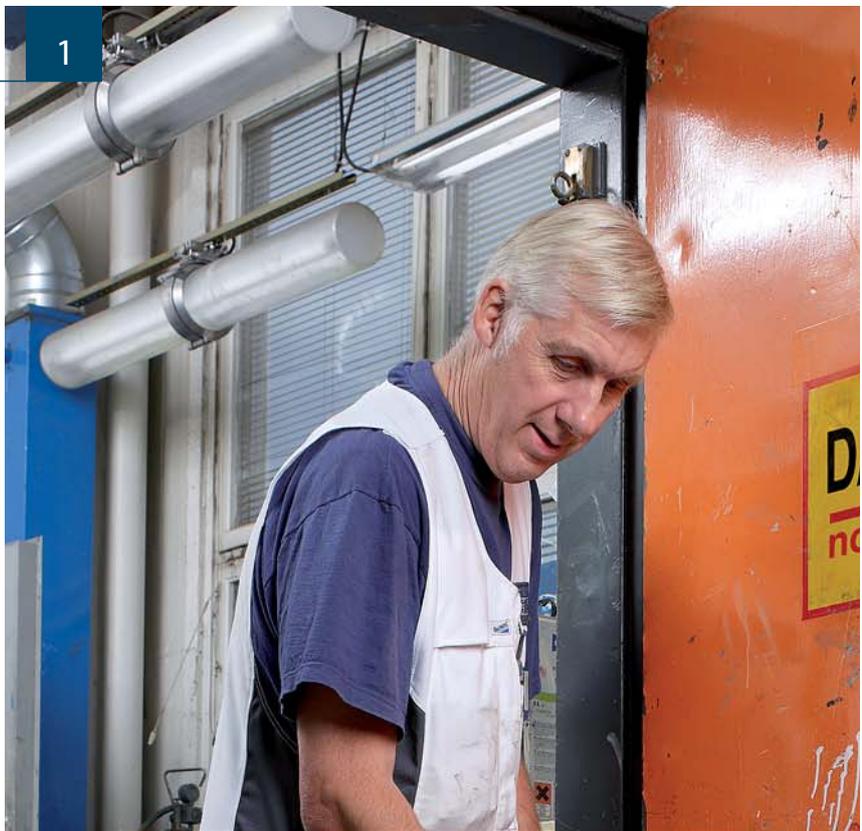
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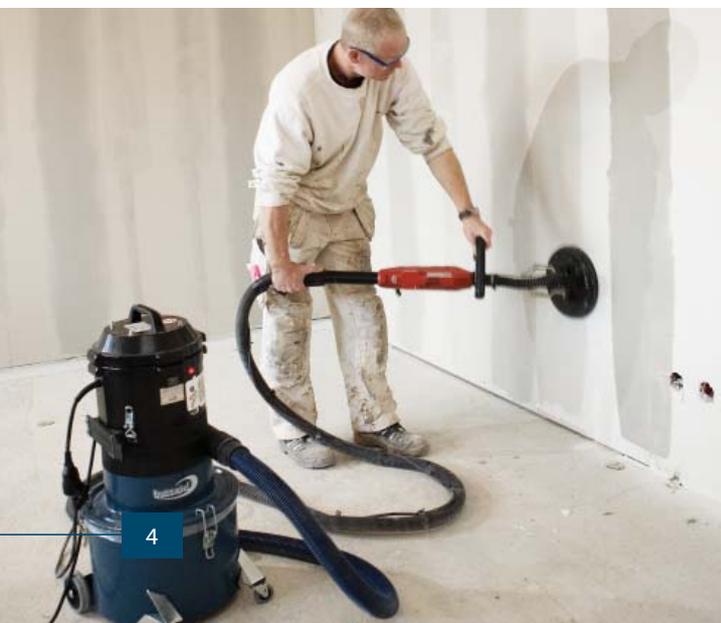
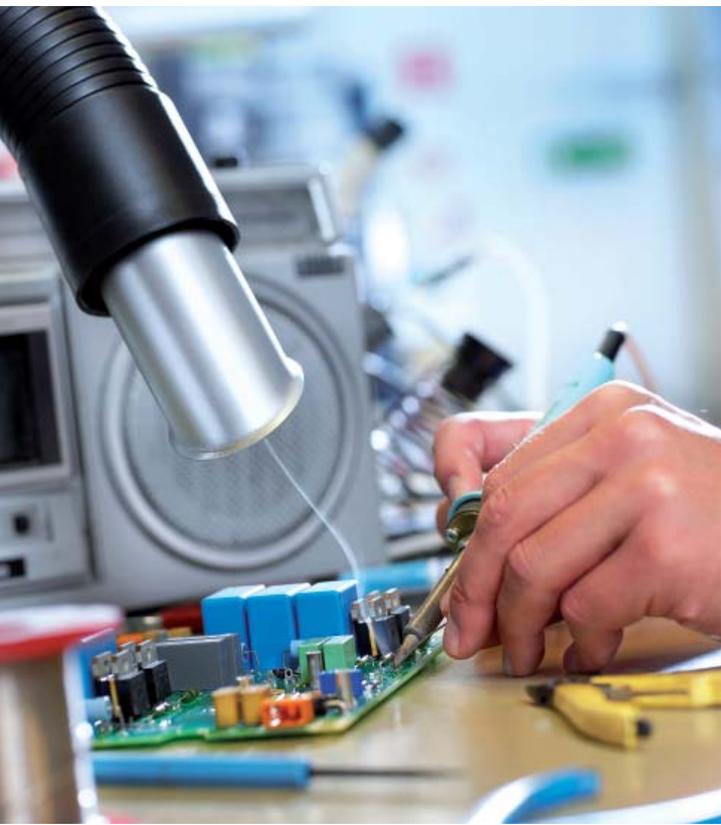
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About Dustcontrol



Dustcontrol – for cleaner production processes

At Dustcontrol, we are not satisfied with just selling products. We manufacture and customize portable dust extractors and industrial extraction systems with very high levels of filtration to your requirements.

We offer a complete service package, including accessories and spare parts, so you can trust we will be there to assist you as you focus on your core business. Our main goals are to help you achieve an *efficient* production process, increase productivity, improve product quality and promote a safe working environment. The fact is that everything runs so much more smoothly when you avoid being stopped or disturbed by dust and other pollutants, not to mention the better air quality that is the result of professional dust extraction.

In short, Dustcontrol supplies portable machines and stationary extraction systems to help companies all over the world to achieve better results.

Our product range consists of portable dust extractors for industrial and construction use, fixed extraction installations, peripheral equipment and accessories. Dustcontrol supplies a complete range of products and accessories for large and small companies in all types of industries. We also provide expert answers

to the question: how can you capture and extract different kinds of particles and pollutants in the best possible way for your business?

More than 40 years of experience

Dustcontrol was founded in 1972 on the basis of an idea for creating extraction systems to capture dust and other pollutants at the source. Today, Dustcontrol has developed into an international industrial supplier of tailor-made solutions.

Dustcontrol supplies solutions that can be applied in a wide range of industries. For example, we supply advanced clean room solutions for the pharmaceutical and electronics industries, portable vacuum cleaners of all sizes for construction and rental companies, clean production workplaces for the automotive industry, and paper dust

extraction systems in major printing presses.

Technological competence you can trust

You can put your trust in Dustcontrol. Our sales organization consists of experienced technicians with

specialized skills within their areas of expertise. If you need a mobile solution, we will come to your site and show you how it works. If you need a stationary installation, we can design and dimension the entire system to fully match your needs. We can also take care of installation, commissioning, documentation and planning a service and maintenance schedule. We have our own team of qualified installers with in-depth knowledge of our products.

Dustcontrol works continuously to improve accessibility, service and technological support. Our project managers also train the personnel who work with our installed products and systems.

Removing unwanted material at the source before it affects your production efficiency or causes health problems is exactly the right thing to do. With a Dustcontrol solution, you can extract dust, chips, oil spills and other unhealthy substances at their source and transport them to where you want. Our machines also do the job at a very high level of filtration. All of our mobile machines are equipped with a fine filter and a HEPA filter that clean the exhausted air to 99.995%! The highly efficient filters also have a long lifetime, which offers low filter costs.

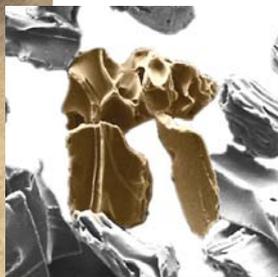
DUSTCONTROL IN BRIEF

Number of employees:	approx. 140
Representation:	US, Canada, Malaysia, Korea, UAE, India and Europe
Head office and factory:	Stockholm, Sweden
Founded:	1972
Owners:	Family-owned
Business:	Development, manufacture and sale of industrial dust extractors, construction dust extractors and centralised installations for source extraction of dust, fibers and fumes.

Please Note:

- *Dustcontrol products are designed, engineered and manufactured in the metric system. All raw materials used are metric gauge. All threaded fasteners are metric unless otherwise noted, for example, NPT pipe dimensions. For exact dimensioning, the metric dimension is accurate. US dimensions are shown for reference on the the portable products and are soft conversions, rounded for example, to the nearest inch or pound. Capacity information on vacuum producers and airflows are exact conversions.*
- *Capacity information for Dustcontrol portable dust extractors is measured at the inlet to the unit with a clean filter, not the vacuum producer.*
- *Capacity information for stand-alone Dustcontrol vacuum producers is given in standard air not inlet flow. You are not required to make any conversions to standard air to make your vacuum producer selection.*
- *Dustcontrol always states flow capacity at a specific vacuum level, again flow capacities are in standard air.*
- *Some short forms are used in the technical data tables to save space such as Q = Air Flow or rec'd = recommended. If you are not sure of the meaning, please contact your Dustcontrol representative.*
- *If the engineering unit given is not one that is familiar to you, several different facilities exist on the internet for quick conversion. If you do not have access to the internet, your Dustcontrol representative would be pleased to assist you.*
- *In the information tables for the portable units, you will find recommendations for maximum hose lengths. These are a guide only and are based upon the specific unit's performance and the laws of physics. A simple rule to remember is that you should always get the unit as close to your work as possible, both for reasons of ergonomics and extraction performance. We realize that the world is not perfect so we have units that develop extremely high vacuum levels for those times when you cannot take it with you.*

"A Dustcontrol solution contributes to better health, a cleaner environment and a more efficient production"



The smaller a particle is, the deeper into the pulmonary system it penetrates.



Particles smaller than 5 thousandths of a millimetre, known as respirable dust, are invisible to the naked eye and penetrate into the deepest parts of the pulmonary system where the air moves very slowly. This makes it difficult to exhale the smallest particles. The foreign dust particles that get lodged in the lung are wrapped in nodes of connective tissue – which is the lungs' way of protecting themselves.

In time this leads to pneumoconiosis or COPD, which stands for Chronic Obstructive Pulmonary Disease. Some types of particles, such as quartz and asbestos dust, cannot be broken down by the body and are sharp, which is why they go on causing damage even after they have become lodged in the lungs.

The best protection is achieved if the dust is removed at source and never allowed to reach the air. Dustcontrol has developed suction casings for most handheld and stationary machines, and often also produces tailor-made suction casings.

Dustcontrol helps to ensure a cleaner – and thus a safer and more efficient – production environment by extracting dust and particles and transporting the material to wherever you want.

Environmental Policy - ISO 14001

At Dustcontrol we strive to minimize the environmental impact of our products and services by:

- Adhering to current legislation and constantly improving our efforts to minimize our impact on the environment.
- Meeting our customer's requirements for environmentally friendly products and services.
- Prioritizing and maintaining a good understanding of environmental matters amongst our colleagues.
- Minimizing waste and sorting waste by type for recycling.
- Pursuing the most environmentally sound way to transport our products to our end users.
- Evaluating our suppliers products and services and changing to environmentally friendly alternatives where practical.
- Using environmentally friendly packaging
- Minimizing the use of chemicals and changing to environmentally friendly alternatives where practical.

Quality Policy- ISO 9001

Our quality policy is simple; it should exceed what our customers are expecting. This applies to the quality of our products and installations as well as the quality of our service. Our quality management system is ISO 9001 certified. Customers can expect consistent quality in all of our products and services.

ISO 9001 is a standardized quality system that is recognized and respected throughout the world.



SS-EN ISO 9001
SS-EN ISO 14001



Source Extraction

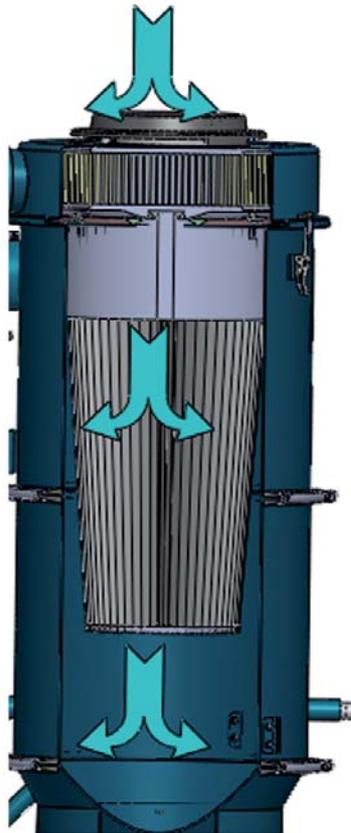
Source extraction is the capture of pollutants as close to the point of generation as possible, for example, a suction casing on a grinder. Improve your working environment and avoid breathing hazardous particulate with a source extraction solution.

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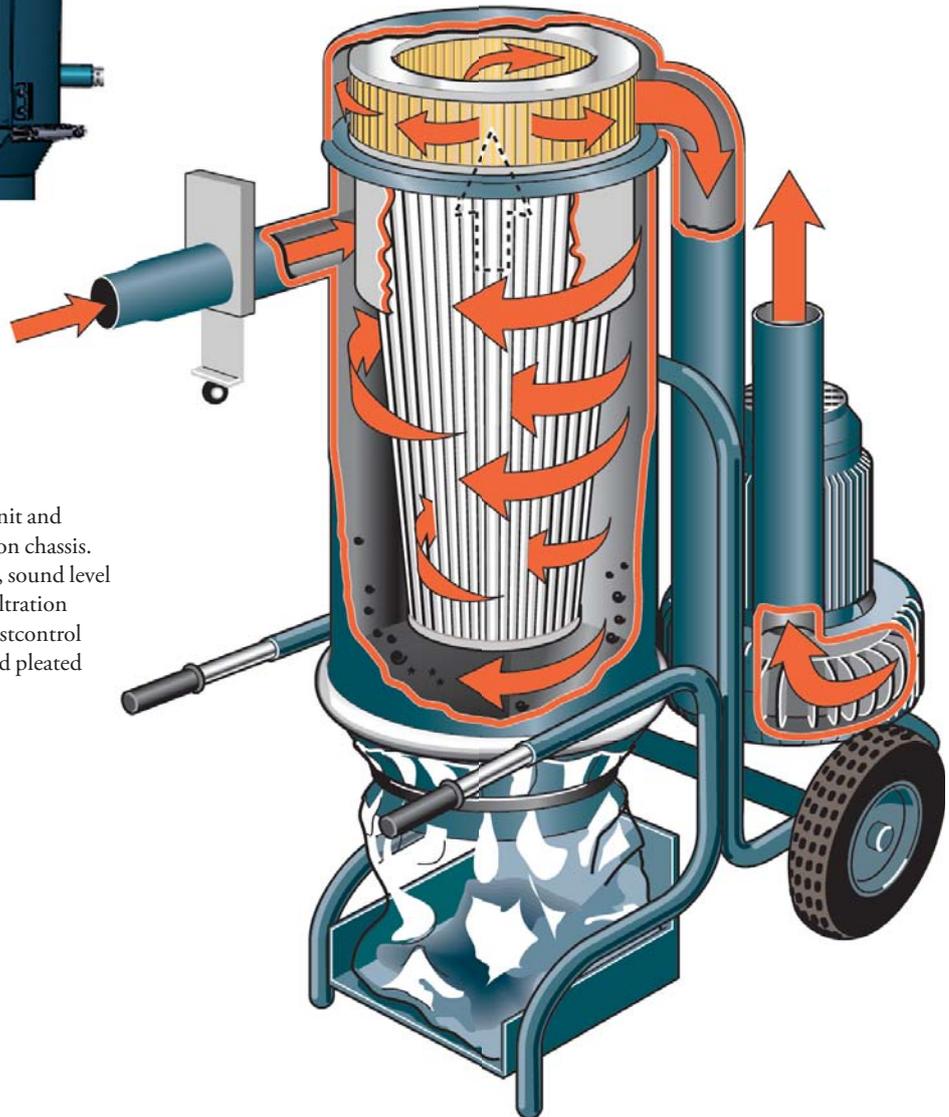
Pre-separators

For applications where large quantities of material are generated and need to be collected, a separate pre-separator should be used.



Reverse Pulse Cleaning

Effective reverse pulse cleaning of filters in combination with a conical pleated cartridge design, results in compact units with very long filter life. All of Dustcontrol's portable dust extractors utilize this effective reverse pulse cleaning system.



Dust Extractor

Our dust extractors consist of a filter unit and vacuum producer unitised on a common chassis. Selection is based on capacity required, sound level and collection method desired. Dust filtration is always according to the patented Dustcontrol cyclone separation with vortex tube and pleated cartridge filter.

Absolut Company in Åhus, Sweden



*"The goal was not just to buy a vacuum system, rather to get a well functioning machinery",
Per Oxelgren, Manager Engineering at Absolut Company*

Absolut Company is one of the world's best selling international premium spirit brands and has used stationary vacuum systems from Dustcontrol since the late 80s. The first stationary vacuum system was installed in their harbour warehouse to clean incoming containers. 10 years later they were looking into increasing the efficiency by delegating the machine maintenance to the operators. At the time they believed in improving quality and efficiency by increasing the operators commitment to keep everything well organized. But at the



The first stationary vacuum system from the late 80s. It has been used flawlessly ever since.

same time keeping the machines and workplace spotless has to be relatively hassle-free. Here a Dustcontrol central system with hose reels at each workstation and different nozzles attached at the wall minimises the time spent cleaning and putting everything back to place. Chances that something is not working is also minimised when everything is gathered in one place compared to the option of having mobile vacuum cleaners at each workstation. Since they already had



Christer Johansson, Supervisor Engineering and Christer Lind, Project Technician at Absolut Company outside the new factory "Satelliten". Here has Dustcontrol recently installed the new Dustcontrol DC Green system to optimise suction performance and save electricity costs.



Dustcontrol vacuum producer with DC Green system.

a well functioning Dustcontrol central system installed, the decision to choose Dustcontrol was easy. "The simplicity makes you clean up after yourself. If you would have to go and pick up the equipment every time it would not get done", says Christer Johansson, Supervisor Engineering at Absolut Spirits.

Cleaning is most important in preventive maintenance and facilitates troubleshooting, personal security and it reduces wear. “If you keep the place clean extra work is not needed. It has to be done continuously and then a stationary vacuum system is the best option. It is also fun for the engineers to work with a machine when everything is clean and well run”, says Per Oxelgren, Engineering Manager at Absolut Company.

“Enthusiastic operators with greater responsibility have been a big part of our success” says Christer Johansson, Supervisor Engineering at Absolut Company.



Dustcontrol hose reels installed at each workstation.



Production line operator Mikael Persson is vacuuming up broken glass. A bottle can break if the aluminium cap being pressed on is defect.



They clean for about 15 minutes at the end of every shift and sometimes during production. If for example a bottle breaks they have to turn off the production line and then time is valuable to get everything cleaned up to be able to turn on the machines again. “You have to vacuum to minimise stops in the production line”, says Christer Lind, Project Technician at Absolut Company.

Construction

Capture Dust with Source Extraction

- Minimizing airborne dust gives major health and safety benefits
- Increased productivity with no waiting for dust to clear
- Clean up the messy jobs and do them on regular time
- Safer work conditions with no dust to restrict operators vision
- Ideal for sensitive environments, for example schools, shops, hospitals and I.T.
- Keep all trades working, co-workers not interrupted by dust
- Reduced set-up, hoarding of work areas and clean up
- Greater customer satisfaction with minimal disruption
- Ease of use and increased life of power tools and equipment



All dust on construction sites is a health hazard in the long run. Some types of dust are also hazardous following only short exposure. Today's construction industry requires skilled and committed staff. Choosing to work in construction should not mean choosing to risk your health. Therefore, measures to minimize dust concentrations on construction sites ought to be a matter of course.

Control measures do exist. By equipping all tools with suction casings and connecting them to efficient dust extractors, dust concentrations can be reduced - considerably. The suction casing captures the dust before it is released into the air, the air that all trades breathe daily.

Vacuuming with a highly efficient dust extractor, equipped with HEPA filters to prevent dust release, will improve the cleaning operation. If you sweep the dust, it will whirl up once more. Consider the fact that it is exactly this airborne respirable dust that is hazardous to your health!





JM Construction Company

"Everything is vacuumed up, not only dust

Dust extraction is about quality both in construction activity as well as in life. JM is a leading developer of residential areas and housing in the Nordic region. Operations focus on production of new housing developments and single family dwellings. The main focus is on expanding metropolitan areas and densification in university towns. JM has about 2 200 employees.



JM has undertaken a large construction project and have chosen to rent a semi-mobile system and a few portable units from Cramo, a construction equipment rental company. The semi-mobile system consists of a central unit, pre-separator, and a pipe system. The modular parts of the semi-mobile system are designed for easy assembly and dismantling.

"Our biggest environmental problem is all the dust that is created during drywall sanding and concrete grinding. With Dustcontrol's construction dust extractors we reduce the problem.", says the JM, project manager. He adds: "Everything is vacuumed up, not only dust but also nails, screws, drywall chunks and other waste".

Profitability in a construction project depends on the right tools, materials and working methods. It may sound obvious, but in practice you need experience, knowledge and planning. Renting or investing in a high quality dust extractor system is well worth the initial cost. Long-term health benefits, motivated employees and increased efficiency are the payoffs.

"It ought to be obvious to strive to minimize dust on the site.", says the site super at JM. "One of my tasks is to maintain a good working environment for my employees and the trades.

Jonas Nykvist, site superintendant at JM:

"It is my duty to make sure we have the right tools"



He continues:

"It is important to monitor the working environment. Not all people in the construction industry can work into old age without any health problems. As the site superintendant, it is my duty to make sure we have the right tools".

Large quantities of material can be transported away by the suction system. By putting suction casings on all machines and connecting them to Dustcontrol extractors, the dust level in the air is being reduced to a minimum. For dry concrete grinding machines, source extraction is practically a must since a huge amount of dust is generated.

JM uses Dustcontrol's Semi-Mobile System and a few portable units. The choice was very simple – they wanted an effective, robust and reliable system. On the first floor you find a pre-separator, which collects the coarse material. The pre-separator is designed like a wheelbarrow, which makes it easy to empty. Dustcontrol's semi-mobile system with a wheelbarrow pre-separator is a proven and widely accepted solution.

"At Dustcontrol there is a continuous development of their products – it is very positive", says Jonas Nykvist.

The suction source is the DC 5800c, 9.2 kW, which is located in the basement. When the work is finished in one building, you just move the whole system to another. It's very easy to handle and very flexible.



"Dustcontrol's products are reliable with long product life", says Bert Anderson, team supervisor at the construction site

Skanska AB

Invest in a Stationary Extraction System

The centralised extraction system, named the DC Big Vac is a great new solution to customer requirements. The DC Big Vac can be used as a portable system. This means that the container can be docked to a temporary or permanent piping system and can easily be moved between construction sites. This was one of the reasons why Skanska AB decided to contact Dustcontrol to solve their dust problems.



”It is convenient to avoid having machines on each floor” Ronny Johansson Team Manager at Skanska AB says. The central dust collection system is used by Skanska AB for cleaning and to extract sawdust when sawing. ”It is intended that all should clean after themselves and then the central vacuum cleaner makes it much more easy to do so” Ronny says. In an article from, Skanska Focus no 4 October 2009, Ronny says that he only sees the benefits and recommend other construction sites to invest in a central extraction system. ”It is not only convenient, but it is also more efficient than conventional mobile vacuum machines” Ronny says.

The suction source in the container, a TPD 30 11 kW, has been supplemented with the DC Green System, i.e. the suction source is demand controlled. In saving mode, when no outlets are used, the power consumption is approx. 10 % of max and energy consumption is limited. This contributes to financial savings and is more reliable because micro switches are not required.

Stefan Ohlsson, a salesman at Dustcontrol AB adds ”The choice for Skanska to complement the DC Big Vac with the DC Green System was primarily because they want to avoid the hassles of electric installations including micro-switches. Additionally Skanska will also get a convenient installation with automatic filter cleaning”.

The DC Big Vac is also equipped with an S 11000 filter unit. To this an F 11000 pre-separator is supplemented to remove the larger particles and to reduce the workload of the filter. Due to the fact that there is no access to compressed air on the construction site, a compressor has been installed to generate air for the automatic filter cleaning.

Renovation

Clean house - dust free for a safe living environment!

Arnie Jorgensen's company has landed the contract for plumbing alteration and reconditioning of bathrooms and kitchens in a large number of suburban residential apartments.



Hilti 905 breaker with a suction casing from Dustcontrol.



Hand grinder with a suction casing and the air cleaner DC AirCube as back-up.



You can connect to the central extraction system on every floor.

The company is working with a semi-mobile dust collector system to further reduce their environmental impact. This extraction system can be used directly on tools throughout the processes of floor breaking and floor grinding and also for general vacuum cleaning. The DC AirCube is used at the same time to complement the on-tool dust extraction. During the entire refurbishment period, the tenants can stay in a dust free environment. The clean up process is easier and quicker and therefore saves money for the company. The DC 5900a PTFE can be used as the central unit and located in a convenient position out of the way, such as in the basement.

A hose is taken from the vacuum producer, up through the stairwell. On each floor there is a connection point to plug in the hose for the floor grinder, scaling hammer or vacuum cleaning tool. Dustcontrol's rubber suction casing is used on the scaling hammer.

A vacuum relief valve is included to allow air into the system when all working points are closed. The dust is collected directly at the source and conveyed by the hose system to the central dust extractor. The smallest and most dangerous dust particles are collected in the filter system of the central dust extractor.



DC 5800a PTFE central unit in a semi-mobile system.



A temporary piping system.

Xylem

Dustcontrol has installed 18 stationary vacuum systems at Xylem's in Emmaboda, Sweden



Xylem is a global concern with over 45 000 employees worldwide. Xylem is a leading producer of submersible pumps and mixers. The Xylem plant in Emmaboda has approximately 1 600 employees and produced 99 000 pumps in 2006.

Dustcontrol has installed 18 stationary vacuum systems at Xylem's production facility. The systems are fully monitored by computers and the extraction level is adjusted on demand to save energy. For example, if someone forgets to turn off the system, an alarm will alert the service technician. Furthermore, to save energy, the air from the vacuum system is recirculated back into the facility in the winter to reduce heating costs.

John Peterson is responsible for service work on Xylem's vacuum and ventilation systems. He has installed Dustcontrol's new rubber tubing system components on the most demanding applications. The durability is longer than he expected and now he wants to install more rubber components from Dustcontrol.

"Dustcontrol's modular parts are high quality and easy to install and service" says John.



Changing the collection bag on a pre-separator.



Clean air from the central unit is recirculated to the facility in the winter to reduce heating costs.

Dustcontrol's long wearing tubing components

Now it is proven! Dustcontrol's new long-wearing EPDM tubing system can handle even the worst wear. After a 7 month intensive test at Xylem, there was no significant wear to be found. Thanks to an internal anterior radial ridge in the bend, the wear is distributed over a larger area and the new EPDM material has good sound dampening properties.



Source extraction from hand held tools: "It's very effective. Plastic, paint, and gases disappear into the hose." Dustcontrol has a lot of experience in source extraction and at Xylem we have equipped our hand held tools, such as cable peeling tools, with suction casings to collect hazardous gases and scrap materials.



Source extraction from CNC machines: A Dustcontrol pre-separator is used to separate the lubricant from the metal chip. "The lubricant is returned to the sump and re-used. The mixed scrap is sent off site for recycling while the pure metals are put back in the process in our own foundry."



It is important to clean the threads of the finished parts before proceeding to the next step in the production process.

Material Transport

In the foundry, new parts are sand blasted. This is a fully automated process. Spent sand and flash are collected in a small container, vacuumed to the top floor and then transported through a peristaltic airlock down to large containers outside. This is a tough application since the process operates 24/7. The tubing system has special reinforced components to withstand the sand and metal that blasts through the tubing at approximately 4000 fpm/20 m/s.

Xylem mainly use Dustcontrol systems for:

- *Source extraction*
- *Cleaning*
- *Material transport*



Small tipping container used as a buffer and collection point.



Peristaltic airlock.



The large roll-off format containers outside are shunted around by truck without having to stop the automated production process. The material is recycled.

Pharmaceutical industry



In the pharmaceutical industry, as in electronics manufacturing, it is necessary to protect products from what is commonly called particle contamination. Within the pharmaceutical industry this is important for several reasons. Even particulate that is invisible to the naked eye can carry bacteria. This can impair the transparency of liquids or block capillaries. The solution is to allow the sensitive parts of manufacturing to take place in special environments cleaned of airborne particulate. These clean rooms are graded into different cleanliness classes, depending on the manufacturing requirements.

Time for Dustcontrol

The clean room needs an efficient and reliable system for collecting and removing dust and other particulate. Just the presence of a human being in a clean room is enough to free microscopic particulate. Dustcontrol has many years of experience in manufacturing systems built to the high standards required in these clean room environments. The systems are based on proven techniques including source extraction and can be entirely customized according to the client's specifications.



Airborne particles

Airborne particulate can be microscopic and still carry bacteria. Working in a clean room necessitates special equipment, which has to be antistatic and must not release dust particles.

Complete accessory range

Dustcontrol offers a complete range of different cleaning equipment, hoses, connections, and nozzles, which can easily be connected to the system, both in the clean room and other locations.



Orion-Pharma

Orion Pharma, a publicly listed company, develops, manufactures and markets pharmaceuticals, active pharmaceutical ingredients and provides diagnostic testing for global customers.

Orion's clientele consists of healthcare service providers and professionals, such as doctors, pharmacies, hospitals, healthcare centers, clinics and laboratories. In the pharmaceutical industry there is a high level of cleanliness required on both surfaces and in the air.

"We need effective extraction systems to ensure quality and capacity in production as well as protecting our employee's health. We use Dustcontrol's system mainly due to their excellent characteristics. The solutions from Dustcontrol are effective, dependable and long-lasting, which provides a superior total economic solution. The Customer Service at Dustcontrol is also something we as customers, have appreciated" says Ari Urpinen, operation technician.



*Ari Urpinen, operation technician:
"We need to ensure the worker's health"*



Aerospace and Composite



Composites have many unique qualities and are used in an increasing number of industries including automotive, marine, aviation and wind turbine. This increased use of composites and exotic materials has resulted in problems for personnel as well as production itself.

Significant health risks

“Composite dust makes you itch just by looking at it” – but the problem is greater than that. Composite dust is a very low density and stays in the air for a long time. It penetrates into the trachea and lungs and promotes allergies, asthma and respiratory ailments. OSHA and the EU mandate limits on how much airborne dust is permitted within the operator’s breathing zone. The World Health Organization has classified glass fiber and other special fibers as possible carcinogens.

Disturbances in electronics increase costs

In addition to the negative consequences for health, composite dust accumulates and causes disturbances in computers and other production equipment. Visibility for the operators decreases in many working situations and in most companies the cost for cleaning composite dust has increased.

Fortunately there are efficient solutions to the problem

With over 40 years of experience, Dustcontrol offers a unique know-how about source extraction that collects, filters and removes the offending particulate. With source extraction, the dust is captured where it is created. The result is a cleaner working environment and in many cases, increased product quality because of lower contamination in production.

The right extraction system contributes to health and efficiency

- Improved health through lower composite dust levels in the plant air.
- Safer working conditions and increased productivity by improving the operator’s visibility.
- Increased productivity, fewer disturbances of adjacent activities.
- Greater flexibility, eliminates the need for dedicated grinding rooms.
- Longer life for tools and electronic equipment.
- Reduced time and costs for cleaning.
- Fewer disturbances due to dust in computers and CNC machines.



Nautor Swan, Manufacturer of ocean yachts in Pietarsaari, Finland

Five fixed systems from Dustcontrol are installed in Nautor Swan's factory. Dustcontrol's products are used mainly for cleaning but also for grinding with hand held power tools with suction casings. Seven outlets can be used simultaneously on each system. The Dustcontrol installation includes a RAF 2503, S 34000, F 20000 and a tipping container.



"We are very satisfied, that's why we've ordered products from Dustcontrol ever since 1988. The best thing about Dustcontrol is the reliability. The systems haven't had any problems and the first stationary system that we installed in 1988 is still in use."

Bengt Nyström, Nautor Swan



Airbus Industries

Very strict environmental requirements prompted Airbus to choose the advanced technical solutions from Dustcontrol for their German production facility outside Hamburg.

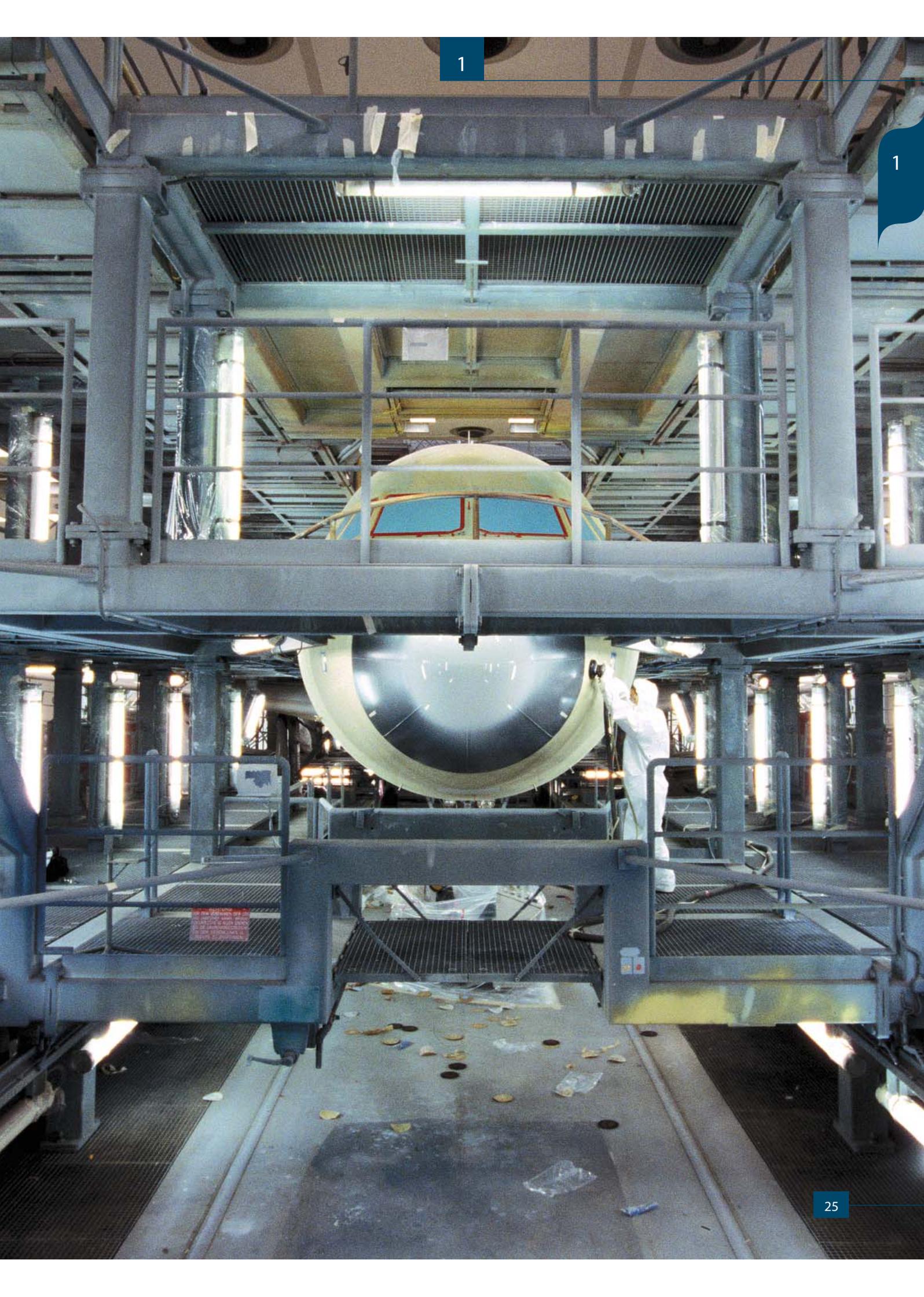
The vacuum systems are designed for continuous operation. The systems included complete installation of pneumatic, mechanical and control systems. Special emphasis was put on explosion relief equipped systems. Three of the four installations incorporate explosion relief and have been designed for use with dusts having a Kst value of <math><180</math>.

In addition to offering a dustless environment for such tasks as drilling, sanding and grinding, the extraction systems are used for cleaning tasks and extraction of residue materials during riveting and gluing. Also sealant materials and chromium residual products are captured. The materials that are extracted are aluminum, GLARE (glass reinforced fiber metal laminate), carbon fiber, fiberglass, epoxy, polyester, aluminum alloys and titanium.



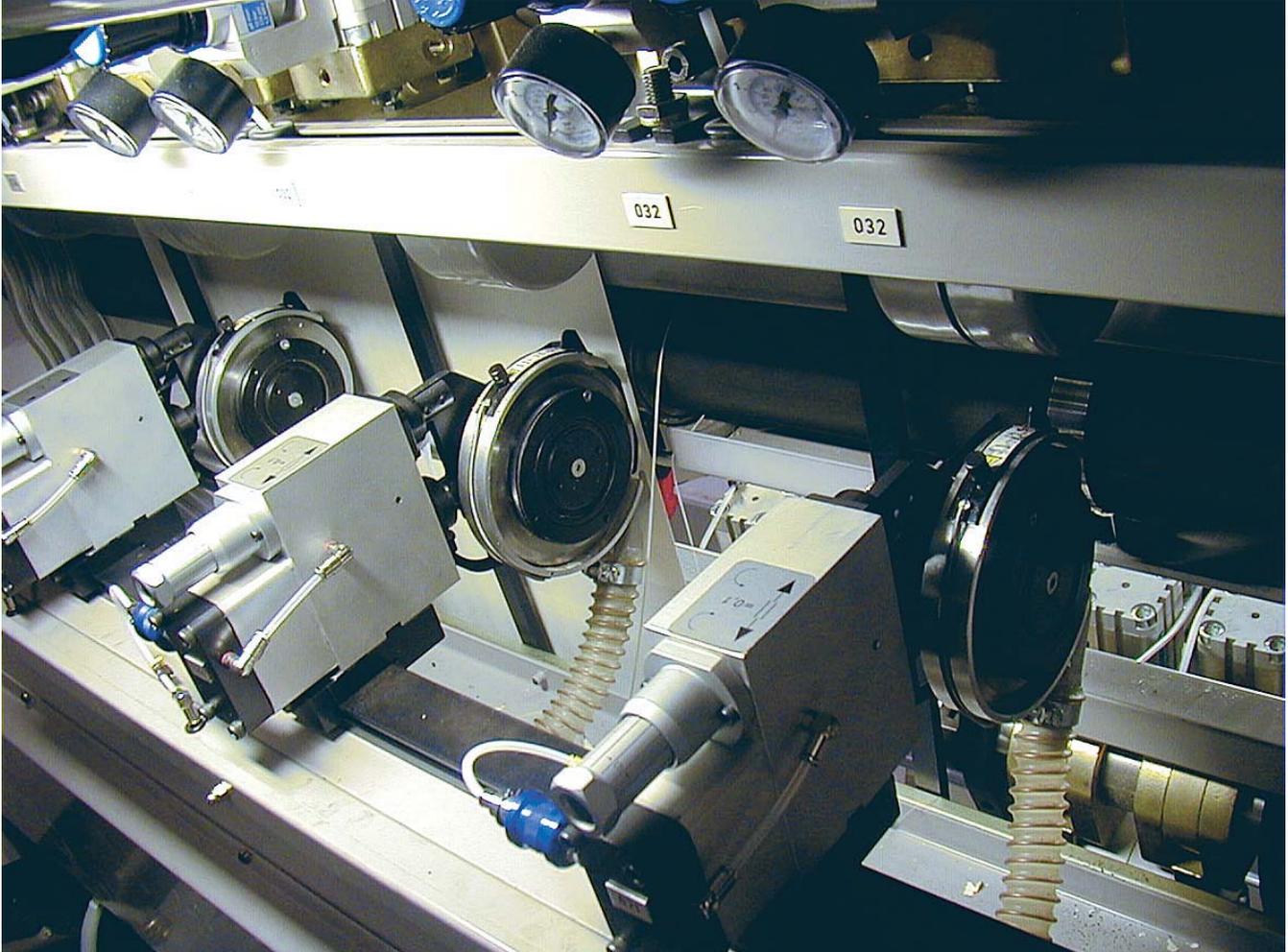
Dustcontrol was entrusted with supplying four stationary systems with suction casings. This German order was valued at over \$1 million.





WARNING
DO NOT TOUCH THE SURFACE OF THE SPHERE
IT IS VERY HOT AND CAN CAUSE BURNS
IF YOU TOUCH IT, YOU WILL BE BURNED.

Printing



A real problem in the working environment of printing presses is the paper dust and strips of paper scrap created during the printing process. The whirling dust is both unhealthy for the personnel and problematic for the process and process equipment. By equipping the presses with extraction points consisting of a number of suction casings specially designed for the machines, the dust problem can be eliminated. A number of cleaning points can also be connected to the source extraction system.

The Dustcontrol system can also be used as a separate “blowing system” to make the paper “flow” over the turning rolls.

Dust: Small but devastating

Dust and fibres adversely affect the quality and profitability of the newspaper. Dustcontrol solutions improve the production process with source extraction for slitters, folders and cleaning operations.

It's only physics

Dustcontrol has provided solutions to countries worldwide and met the high standards required by the printing press market. The solutions are relatively simple as we follow the laws of physics to guide our design. Experience and skill enable Dustcontrol to customize the system to meet the specifications and requirements for each installation.

TBA Arnoldstein Incineration Plant

TBA Arnoldstein is a modern incineration facility in Kärnten near the border to Italy and Slovenia. TBA Arnoldstein incinerates 10.7 tons of garbage every hour resulting in 80 000 tons of waste per year.

A central system delivered by Dustcontrol takes care of the internal environment, mainly cleaning around the furnaces. Activated carbon is also transported and filtered by the system. Austria is known as a forerunner when it comes to environmental issues with strict environmental legislation and tough regulations. With modern techniques, two incineration plants have been completed as a step towards improving the environment.

Dustcontrol has actively contributed to improving the plant environment of this facility by introducing a central vacuum system. It's a comprehensive system including 2600'/800 m of tubing, a total of 30 hp/22 kW of power and 64 outlet/connection points. The installation is designed and installed to comply with the European ATEX directive to minimize the risk of dust explosion.



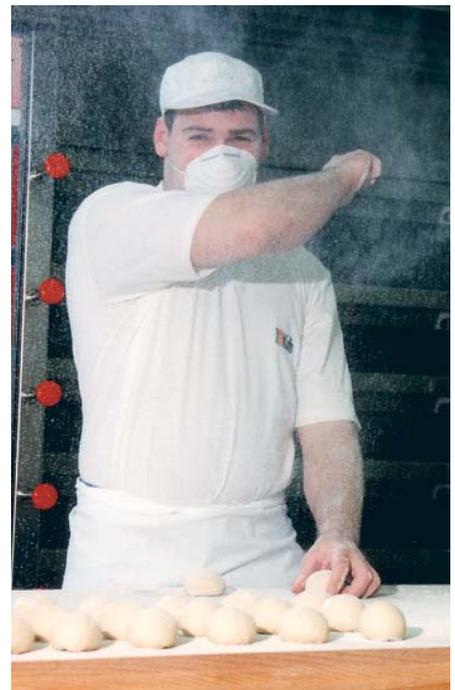
Kärntner Restmüllverwertungs GmbH.

Bakery

You might think that flour is a relatively harmless material compared to asbestos or silica. Recent research has shown however, that flour is unhealthy for our tracheas. Today we have TLV's and STEL's for many different types of dust created from materials in the working environment, including flour. Using our experience in source extraction in hazardous environments, we also design systems for bakeries.

A suction nozzle is placed at each area where flour is used. In that way the pollution is captured directly at the source instead of going into the air. All equipment and fixtures are frequently cleaned of flour and dust with highly efficient vacuum cleaning accessories.

The result is a cleaner and healthier working environment. Investing in a system from Dustcontrol does not necessarily mean large fans and heavy filter units. The bakery shown here uses a stationary unit with a 4 hp/2.5 kW turbo pump, a footprint of 30" x 16"/76 x 40 cm and a height of 5'/150 cm. It's a compact machine, packed with features.



"A small central system from Dustcontrol is compact, unobtrusive and most importantly, effective."

Delselius Bakery

Jan Delselius is the owner of Delselius Bakery and Café. A small business with a friendly atmosphere. They use a DC AirCube and a DC 3800c stationary system to control the dust.



Jan Delselius.



"It's perfect, it works very well. You notice a big difference in the air. The DC AirCube is on timer. When you show up in the morning the air is clean and fresh. It is also easier to keep the work place clean. We had a lot of problems with flour dust before. Now things are totally different. I think everyone notices that, especially those who suffer from allergies", says Jan Delselius.

TECHNOLOGY FOR CLEAN PRODUCTION



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