

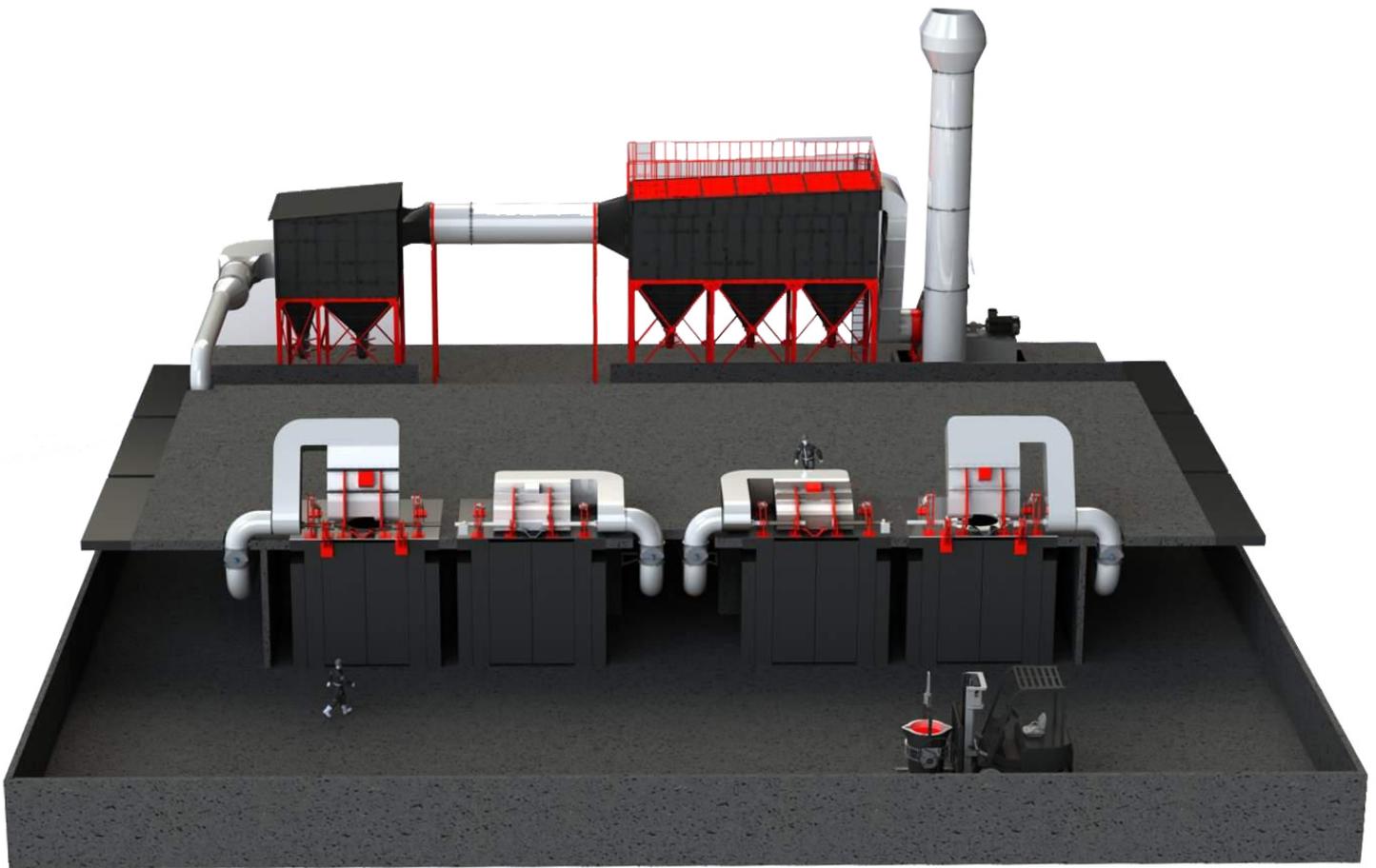


bomaksan[®]
INDUSTRIAL AIR FILTRATION SYSTEMS



**DUST & FUME COLLECTION SOLUTIONS
FOR METAL INDUSTRY**





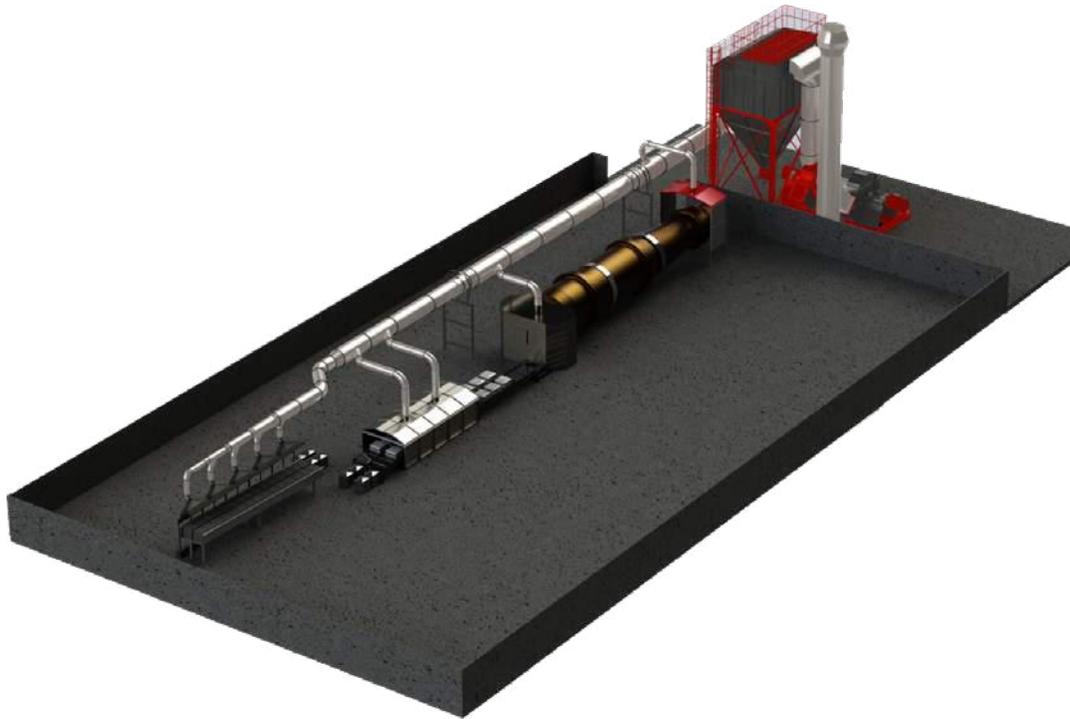
DUST & FUME COLLECTION FROM MELTING SHOP

Dust & Fume extraction and collection from induction furnaces, pouring and cooling lines are highly important for;

- Productivity
- Indoor air quality
- Sustainability
- Health & Safety of workers
- Regulations
- Environment.

Bomaksan working closely with well-known OEM's in furnaces and melting shops to provide the best solution for foundries. Extraction from induction furnaces, will be achieved via OEM hydraulic induction furnace hoods in all working conditions; charging, melting, holding, skimming, pouring and re-pouring. Dust and fume from magnesium treatment using the pour-over method can be collected either via the furnace hood or by roof-top extraction.





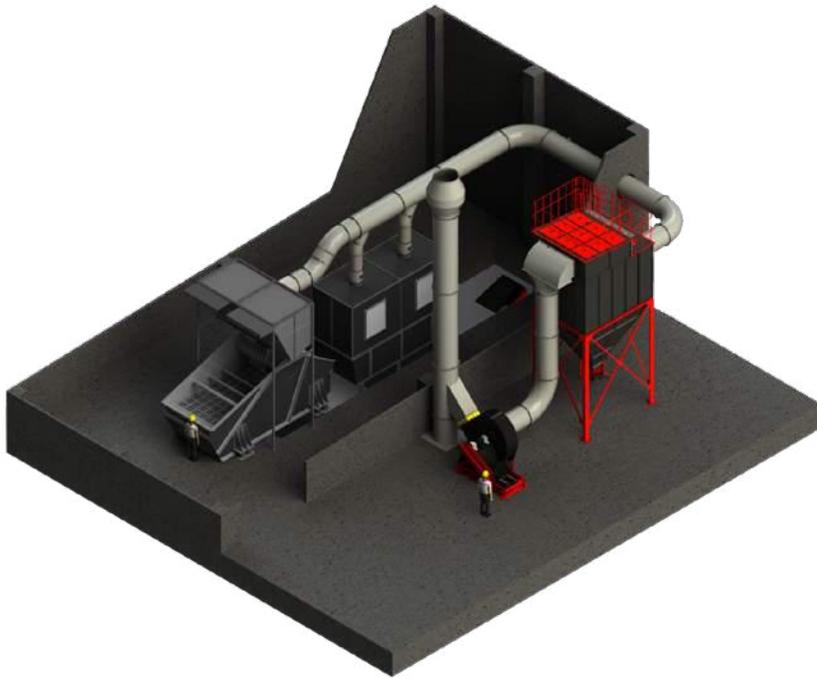
WHY DO YOU NEED DUST COLLECTOR FOR MELTING SHOP?

Dust & Fume arises from induction furnaces, pouring and cooling lines are hazardous for human health and need to be extracted and filtered out. Melted steels generates a fine smoke which causes numerous health diseases.

In clean working environment provide an efficient working conditions. This also decrease the risk of workplace accidents.

In many countries, Extraction and Filtration from furnaces , pouring and cooling line is regulated. Authorities forced foundries to build filter units to their melting shops.





DUST & FUME COLLECTION FROM SAND PREPERATION PLANT

Dust & Fume extraction and collection from sand preparation plants are highly important for;

- Savings in additives consumption (Resine etc.)
- Surface quality of final products
- Indoor air quality
- Health & Safety of workers
- Environment

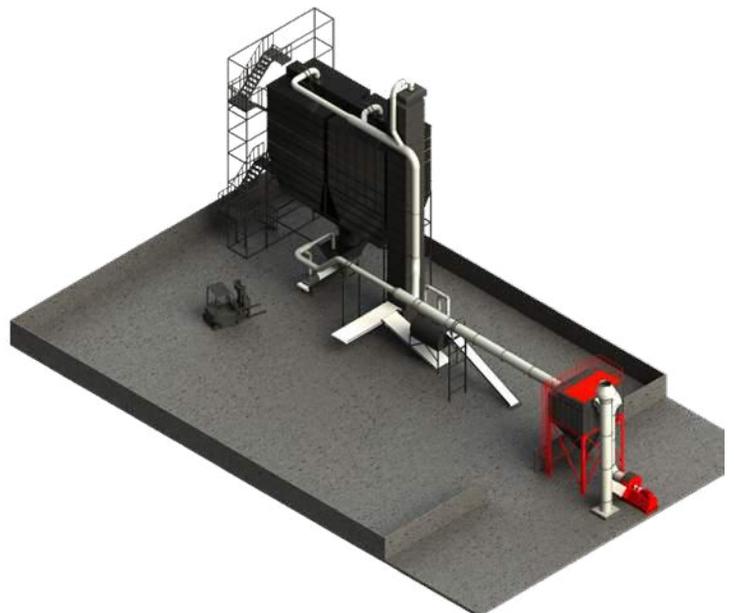
Bomaksan working closely with well-known OEM's in sand preparation plant to provide the best solution for foundries.

WHY DO YOU NEED DUST COLLECTOR FOR SAND PREPERATION?

Dust is something unwanted in sand moulds because of several reasons. The main reasons are problems in bonding and bad surface quality.

In order to bond reclaimed sand and additives effectively, dust need to be seperated. Otherwise additive consumption could be high.

Burnt dust in sand mould create voids on the surface of end products.





DUST & FUME COLLECTION FROM SILO

Dust & Fume extraction and collection from sand preparation plants are highly important for;

- Surface quality of final products.
- Indoor air quality
- Health & Safety of workers.
- Environment.

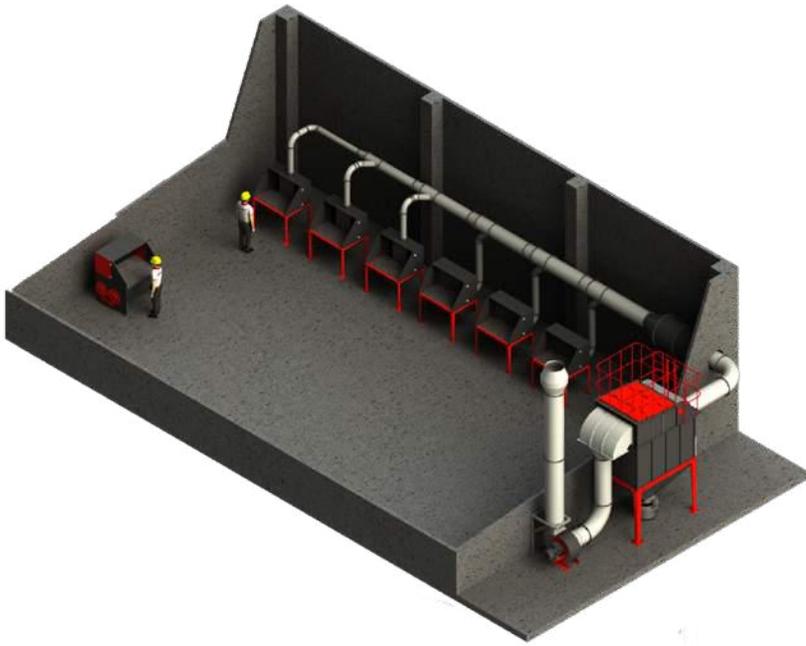
Bomaksan Ind. Air Filtration Systems knows foundry applications very well. Bomaksan also working closely with well-known OEM's in sand preparation plant to provide the best solution for foundries.

WHY DO YOU NEED DUST COLLECTOR FOR SILO?

When sand is transferred to the silo, dust occurs due to movement of sands. This dust is not desired in the silos. Because it makes bonding of sand and additives more difficult. Also dust in sand causes problems on the surface of casted product. If there is some dust left in sand moulds, those dust will be burnt during casting.

Silo filters are filter unit which extract the dust in the silo and make the sand as dust free as possible.





DUST & FUME COLLECTION FROM GRINDING, SAND & SHOT BLASTING

Dust & Fume extraction and collection from grinding, sand & shot blasting applications are highly important for;

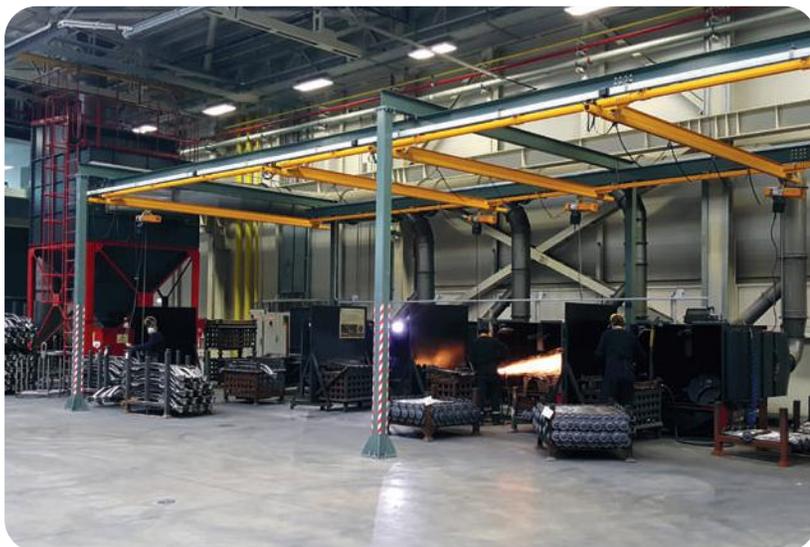
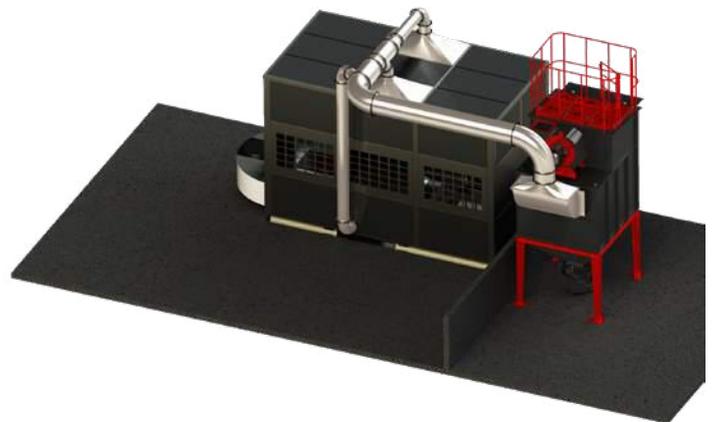
- Surface quality of final products.
- Indoor air quality
- Health & Safety of workers.
- Environment.

Whether it is grinding of a small part or big part, there are lots of dust & fume arises from grinding application. This dust & fume needs to be extracted and collected efficiently to keep your working environment healthy and safe

WHY DO YOU NEED DUST COLLECTOR GRINDING, SAND & SHOT BLASTING?

The main purpose of the grinding, sand and shot blasting application is to clean the surface of the end product and provide high quality finishing. To do that, workers or robots are trying to remove the undesired small parts from product's surface. This process generates high amount of dust & fumes and need to be extracted to achieve higher surface quality.

Bomaksan has lots of experience on grinding, sand and shot blasting applications. We provide you the best solution for your specific needs.

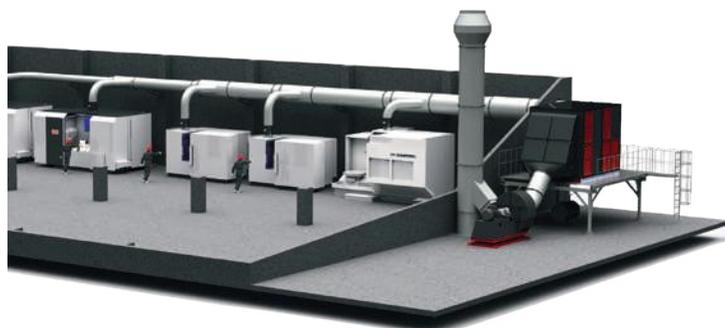
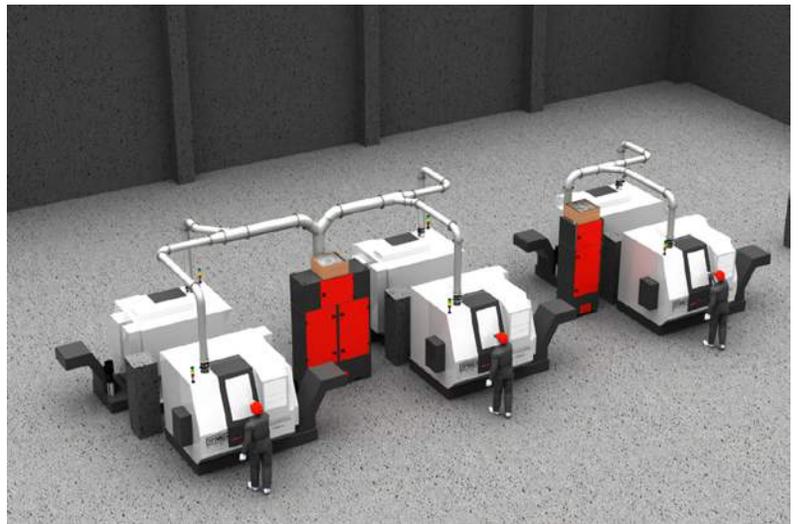


OIL MIST COLLECTION FROM MACHINING APPLICATION

Oil Mist extraction and filtration from machining applications are highly important for;

- Sustainability of your CNC Machines
- Surface quality of final products.
- Indoor air quality
- Health & Safety of workers.

During CNC Machining, oil, emulsions or water is generally used to lubricate or cool the metals. Because of high temperature on contact surface between the mill and metal, those liquids evaporate. This evaporated vapor generally called as oil mist and need to be extracted and filtered to keep machine parts clean.



WHY DO YOU NEED OIL MIST FILTER FOR MACHINING APPLICATIONS?

Mist is defined as liquid droplets smaller than 20 microns. Those droplets are generally generated from CNC Machines in Foundries. The main purpose of oil mist collection and filtration is to provide safer and healthier working environment. However the benefits of oil mist collection is not limited to safety concerns.

Oil mist can damage inner parts of your CNC Machines due to its chemical structure. In other words, if you install oil mist collectors for your CNC Machines, you will encounter less downtimes and maintenance problems. That's why most of the modern machining shops equip their CNC Machines with oil mist collectors.





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RELIABLE • SUSTAINABLE • EXPERIENCED • GLOBAL • QUALIFIED

Authorized Partner

Web: www.bomaksan.com
Mail: export@bomaksan.com



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