



## HEALTH RISKS

Exposure to dust and fine particles generated during grinding and polishing operations poses a serious health and safety risk in industrial environments. These airborne contaminants can cause a range of health issues—from mild symptoms such as eye irritation and sore throat to more serious conditions like metal fume fever, and even long-term or fatal diseases such as cancer.

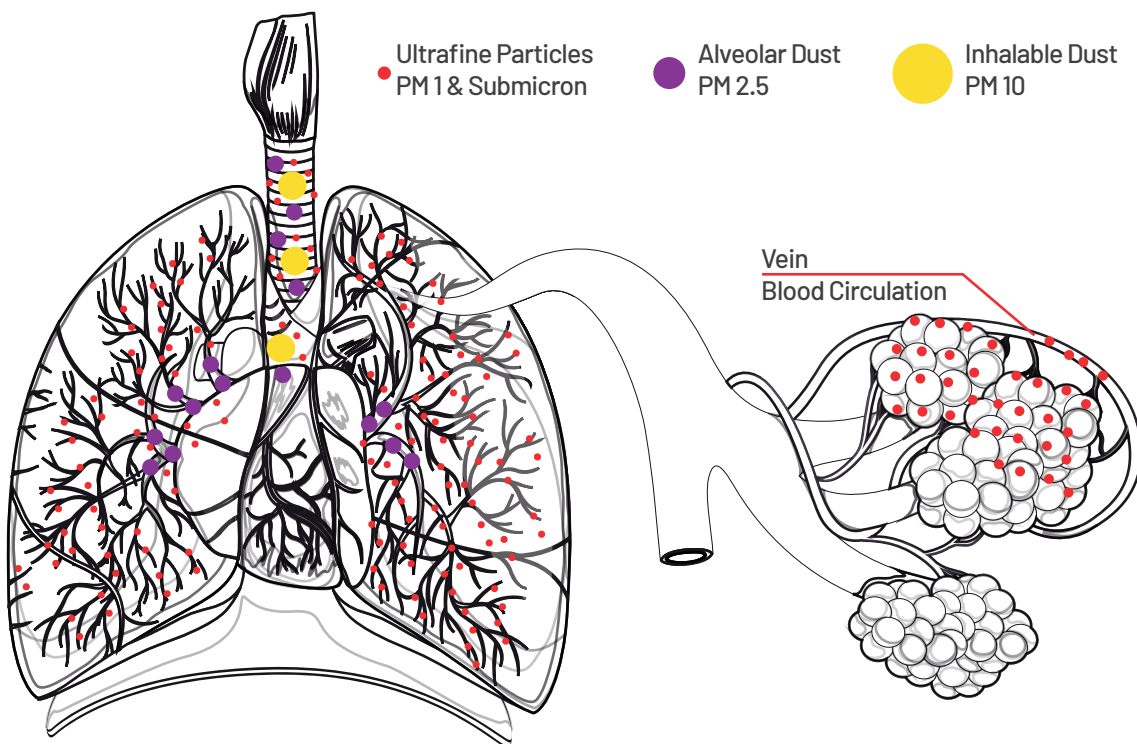
- Sore Throat
- Eye Irritation
- Metal Fume Fever
- Cancer



## LOSS OF PRODUCTION

Unregulated dust and fumes also negatively impact factory efficiency. Particles generated during grinding and polishing processes can infiltrate machinery and electrical panels, causing unexpected downtimes and reduced equipment performance. These contaminants can also settle on products and inventory, increasing the need for frequent cleaning and maintenance. Furthermore, skilled workers prefer clean, dust-free environments and often make their employment decisions based on workplace conditions.

- Unefficient Working Environment
- Increased Downtime
- Additional Clean Up Works
- Increased Malfunction in Machines



# BEWARE OF YOUR SHOPFLOOR AIR QUALITY

In 2019, the International Agency for Research on Cancer (IARC) classified weld fume as a known carcinogen that can lead to lung cancer. This new findings makes welding fume extraction and filtration systems much more important for health and safety of workers.