



Sustainability

We are an active part of our customers' improved sustainability

For MIAB, sustainability has a high priority and we are proud that our facilities contribute to an increased level of sustainability for our customers. Our sustainability work is integrated into the management system for environment and quality. We are certified according to ISO 14001 and 9001 since 2007.

MIAB produces equipment that cleans air from solvents from various emission sources such as the paint industry, glass fiber reinforced plastic, chemical industry, printing houses, ground remediation, etc. MIAB also manufactures automation systems for industrial applications.

MIAB delivers turnkey facilities that include design, manufacture, installation, start-up, and training of the customer's personnel.

Products

We offer three types of air purification facilities:

- MIAB FD – system with one or more filters containing activated charcoal, as well as a unit for catalytic oxidization. Suitable for large air flows with relatively low solvent concentrations.
- MIAB F – system with filters with activated charcoal, often loaded containers on trailers. The coal is sent for regeneration when it is full. Suitable for relatively low air flows and small amounts of solvent.
- MIAB D – systems with direct catalytic combustion. Suitable for relatively small air flows with a high concentration of solvents.



Photo 1. MIAB FD system with two filters, see two stainless steel units to the left, as well as the catalytic oxidization unit, see black unit with a door to the right.

In the adsorption filters, we use activated carbon (coal) as adsorbent. The coal is coconut-based and is thus a renewable resource. The coal is produced from the shell of the coconut and it has very good physical properties compared to other adsorbents.

If the carbon needs to be replaced, it is regenerated and regains its original properties and it can be reused.

In the production of coconut charcoal, no fossil carbon dioxide is generated, which gives a minimal negative impact on the environment.

In the catalyst, we use different types of catalyst mass. The choice of catalyst mass is made depending on the substances to be burned, oxidized, in order to obtain as low energy consumption as possible in the treatment plant.

Expended catalyst mass is recycled and reused in the production of new mass.

MIAB makes a difference

Because we only use electricity and the energy content in the solvent as energy to drive the catalytic oxidation unit, both the energy consumption and CO₂-emissions are minimized. The facilities also have a long service life. The oldest facility in operation was delivered in 1997 and is today located in Estonia.

MIAB's facilities have a major positive impact on the customer's sustainability:

- Environment – reduces emissions to the air.
- Environment – reuses the activated carbon through regeneration.
- Global goal¹ – contributes to improvement in e.g. No. 12: Sustainable consumption and production.
- EU Taxonomy, EU 2020/852² – contributes to improvement in the environmental objectives of paragraph e) of Article 9; Prevention and limitation of environmental pollution.
- Swedish environmental goals³ – contributes to improvement in e.g. Non-toxic environment and Clean air.

¹ <https://sdgs.un.org/goals>

² <https://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1611570552089&uri=CELEX%3A32020R0852>

³ <https://www.sverigesmiljomal.se/environmental-objectives/>

Our internal sustainability work

Leadership

For MIAB, it goes without saying that the business is run in an honest and regular manner. We are a family business with over 30 years of experience and with various skills.

Employees and society

Our Code of Conduct, established 2022, shows our rules and requirements, which we set for employees and business partners in ethics, social responsibility and the environment.

The Code of Conduct is based on the UN's Global Compact⁴ and its 10 principles in human rights, labor law, environment and corruption. The rules in the Code of Conduct are also based on the UN declaration on human rights⁵ and the ILO's core conventions on rights in working life⁶.

The content of the code of conduct must be respected and followed, and it applies to all workers (employees, board members, subcontractors, hired personnel, etc.) as well as our business partners.

The code of conduct consists of overall requirements and it is supplemented by detailed rules in our management system, some of which are mentioned in the code of conduct.

Suppliers

In 2019, we established our rules for a sustainable supply chain, based on the Global Compact, human rights, labour, legal requirements for substances in goods and chemical products⁷, as well as CE requirements. It applies to all our strategic suppliers.

MIAB works closely with WIPAB, which is a larger manufacturing unit. Our facilities are manufactured there, and we have a long-standing collaboration.

Electrical and control equipment is manufactured by MIAB in close cooperation with Värmland's IT service, which is located on our premises. Automation design, manufacturing and programming of plc systems takes place here.

⁴ <https://unglobalcompact.org/what-is-gc/mission/principles>

⁵ <https://www.ohchr.org/en/what-are-human-rights>

⁶ <https://www.ilo.org/global/standards/introduction-to-international-labour-standards/conventions-and-recommendations/lang--en/index.htm>

⁷ REACH, SCIP, POPs etc., se www.kemi.se

Goals

The global goals for sustainable development and the Swedish environmental goals that are primarily affected by our operations and our facilities are:

- Global environmental goal No. 12 – Sustainable consumption and production
- Global environmental goal No 13 – Combat climate change
- Swedish environmental goal – Non-toxic environment
- Swedish environmental goal – Clean Air
- Swedish environmental goal – Limited climate impact



Photo 2. Responsible Consumption and Production. Global goal No. 12.



Photo 3. Climate Action. Global goal No. 13.



Photo 4. Swedish goal Non-toxic environment



Photo 5. Swedish goal Clean Air



Photo 6. Swedish goal Limited Climate Impact

Sustainability - included in our quality and environmental goals, for several years

We have among other goals, these goals with connection to sustainability:

Service agreement

The goal is for MIAB to sign service agreements with customers, to ensure that the facilities achieve as good a function and low operating costs as possible.

Company handbook

The goal is better economy and resource management for the customer. Increased opportunity for further improved experience feedback and systematic quality work.

Market expansion

The goal of MIAB's operations is to purify air from solvents. By selling more MIAB equipment, we increase the tonnage of solvents that are purified.

Goals for work environment

The goal is to have no accidents, our workplace must be safe and have a high level of well-being.

Climate - we have established our climate goal in 2022.

Overall goals for MIAB's climate impacts in the years 2017-2030, in accordance with the GHG protocol⁸ and Science Based Targets (SBTi)⁹ are to:

- reduce CO₂ emissions in scope 1 and scope 2 by 55% by the year 2030, compared to our base year 2017, and start measuring and reducing emissions in scope 3.
- be CO₂-neutral to 2045.

All our goals are followed up regularly and our action plan is updated at least annually.

⁸ https://ghgprotocol.org/sites/default/files/standards/Corporate-Value-Chain-Accounting-Reporting-Standard_041613_2.pdf

⁹ www.sciencebasedtargets.org