

Business

Designing, manufacturing, and selling VOC treatment apparatus and systems
Using adsorbent such as activated carbon fibers and zeolite honeycombs.

Toyobo MC has pioneered the practical application of VOC treatment apparatus and systems using its own developed adsorbent (Activated carbon fiber, Zeolite honeycomb) to the world.

Over 1,500 units of VOC treatment apparatus were delivered in 40 years. It is widely used across various industries, contributing to the improvements in working environments, environmental conservation, and resource efficiency.



The purpose of VOC treatment apparatus and systems installation

1. Environmental protection and compliance with regulations

Reduction of greenhouse gas emissions through the decrease in VOC concentrations(levels) in air and wastewater

2. Reduction of manufacturing costs by effective (cyclical) use of resources

Recovery of VOCs (solvents) → reuse (recycling)

3. Sustainable development

SDGs, ESG investment, PRTR system, carbon neutral



Business

The world's only solution provider system

Toyobo MC is the world's only environmental apparatus manufacturer that consistently conducts the development VOC adsorbents, as well as the production of apparatus and systems.

We provide environmental solutions by thoroughly understanding customer problems (gas analysis and measurement), manufacturing optimal apparatus for development and design. We also provide installation and maintenance services with the cooperation of the Toyobo Group.

Affiliated company

● Construction and maintenance of air and water pollution control equipment

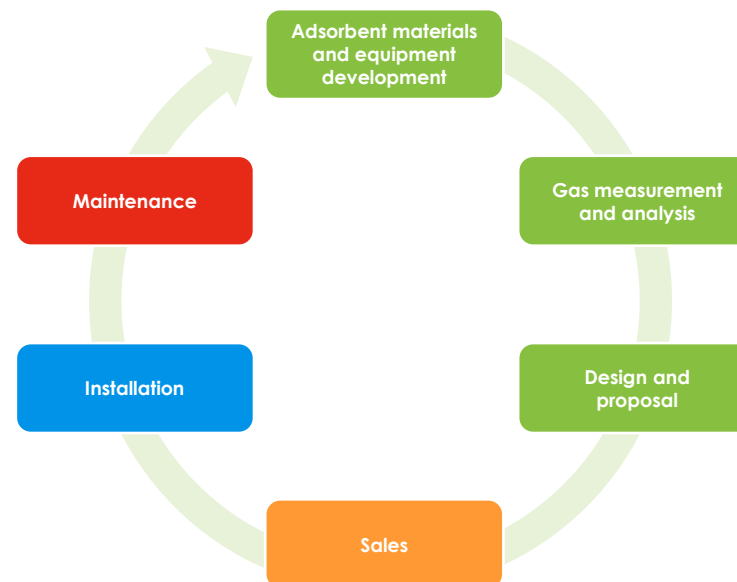
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● Construction and management of related works for air and water pollution control equipment

[Toyobo Engineering Co., Ltd.](#)
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● Manufacture, sales and construction of air conditioning filters

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Business

History

Year	Recruitment and Awards
1975	Launch of K-FILTER ◦ VOC Recovery Apparatus
1976	Launch of HONEYROTOR ◦ VOC Concentration Apparatus
1978	K-FILTER ◦ Wins Society of Textiles' Technology Award
1980	K-FILTER ◦ VOC Recovery Equipment Wins Chemical Engineering Society's Technology Award
1981	K-FILTER ◦ VOC Recovery Equipment Wins Environment Agency Environmental Award for Excellence
1981	K-FILTER ◦ VOC Recovery Equipment Wins Chemical Plant Award for Excellent Product
1982	K-FILTER ◦ VOC Recovery Equipment Wins Vaaler Prize (U.S.A.)
1982	K-FILTER ◦ VOC Recovery Equipment Wins Five Star Prize (U.S.A.)
1996	Start of sales of "K-MATROLL ◦ VOC deodorization Apparatus"
2001	"Zeolite honeycomb for HONEYROTOR ◦ VOC concentration apparatus" won the Japan Adsorption Society's' Technology Award '.
2006	"Zeolite honeycomb for HONEYROTOR ◦ VOC concentration apparatus" won the Osaka Institute of Technology's' Industrial Technology Award '.
2009	Launched sales of "K-FILTER ◦ VOC wastewater treatment apparatus."
2010	Launched sales of "solvent dehydration apparatus."
2012	K-FILTER ◦ VOC Wastewater Treatment Apparatus Wins Kinki Chemical Association 'Environmental Technology Award'
2013	Nitrogen Desorption K-FILTER ◦ VOC Recovery Apparatus Launched
2014	K-MATROLL ◦ VOC Concentration apparatus Launched
2019	Nitrogen Desorption K-FILTER ◦ VOC Recovery Apparatus Wins Kinki Chemical Association Environmental Technology Award
2020	Launch of HOLLOSEP MINI ◦
2020	Launch of "K-FILTER BLOCK ◦"