

Provides various types of energy-saving equipment according to the target users' requirements.

# VOC Recovery System

## Features

- Provides suitable types of processing equipment according to the properties of the target solvents.
- Provides environment-friendly and energy-saving equipment.
- Recovers highly purified solvents at a high recovery rates.

## Overview

(Technical principles, actions, etc.)

Japan Chemical Engineering & Machinery's solvent recovery equipment was designed compact for the purpose of recovering effective solvent ingredients by applying the company's distillation technology that has been cultivated since the establishment of the company in 1938. The solvent recovery equipment makes it possible to reduce running costs, such as the cost of steam, and the equipment has been adopted by a large number of chemical industrial and chemical-related plants.

Japan Chemical Engineering & Machinery examines the best recovery process of each solvent from every angle based on the company's technical data and long-time experience according to the recovery purpose, and plans and design the most efficient and economical process.

Thin film type evaporator and a spray dryer are used to recover solvents that contain slurry, which makes it possible to reduce the cost of waste treatment.



Solvent recovery equipment



Thin film evaporation equipment

## Introductory Track Record

- Japan Chemical Engineering & Machinery's volatile organic compound (VOC) recovery system has been delivered to a large number of domestic customers for the collection of a variety of solvents, such as methanol, acetone, MEK, DMF, NMP, and ethyl acetate.

## Effects

- In many cases, solvents discharged from production processes contain atmospheric moisture and impurities, and it is difficult to reuse the solvents as they are. In the past, there was no choice but to dispose them as industrial waste. This system recovers high-purity solvents at high recovery rates, thus making it possible to reduce the costs of recycling and industrial waste disposal.

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