

// DSD CHEMTECH

DSD Chemtech is an internationally-active engineering and sales company specialized in process technology and plants in the fields of chemical industry and manufacturing. Our core competences are design, engineering and project management as well as coordination with companies involved in the project.

DSD Chemtech is the sales agency of MECS for the German-speaking countries and Central Europe.

Our main activities are:

- // Sulfuric Acid Technology
- // Mist and Droplet Elimination
- // Scrubbing Systems
- // Heat exchangers

We cooperate with the following partners:

- // MECS Europe/Africa BVBA St. Louis (USA), Hoeilaart (Belgium)
- // Franken Apparatebau GmbH Oberhausen (Germany)
- // MECS SULFOX BVBA Hoeilaart (Belgium)



YOUR COMPETENT PARTNER
**IN PROCESS- AND
OFF-GAS CLEANING**

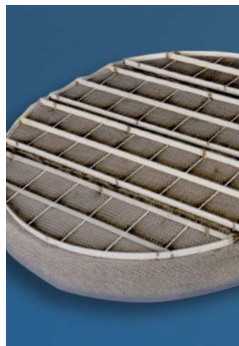
DSD Chemtech GmbH & Co. KG

Eupener Str. 150
50933 Köln
Germany
Phone: +49 (0)221 - 500 1100
Fax: +49 (0)221 - 500 1200
E-Mail: info@dsd-chemtech.com
Website: www.dsd-chemtech.com

- // CONSULTING
- // ENGINEERING
- // SALES
- // PROJECT EXECUTION

PRODUCTS AND SERVICES

// FOR THE SULFURIC ACID INDUSTRY



DSD Chemtech is the sales agency of MECS for the German-speaking countries and Central Europe.

We offer catalysts, mist and droplet separators, acid distributors, heat exchangers and acid coolers to absorbing towers, converters and other equipment and tanks as well as in studies, basic and detailed engineering and measurements.

Since 1925 **MECS** has been manufacturing **catalysts** for the sulfuric acid industry. A full range of catalysts, including cesium-promoted catalyst, low pressure drop rings and solid pellets is available. The PEGASYS system provides an extensive and detailed gas sampling of sulfuric acid plants.

Brink® Mist Eliminators and Mesh Pads. The world's leader in aerosol mist removal and pioneer of fiber bed mist elimination – MECS provides high quality Brink® Mist Eliminators for submicron mist removal and Brink® Mesh Pads specifically designed for each application in and outside sulfuric acid technology.

DSD Chemtech is a reliable partner during the modification and optimization of process units or the replacement of existing equipment regardless of whether it is a feasibility study or a turn-key project.

PROCESS- AND OFF-GAS CLEANING

// FOR THE CHEMICAL INDUSTRY

The high-efficiency **Brink® Mist Eliminator** provides a reliable high efficient removal of submicron droplets and soluble particles from any gas stream.

A wide range of different types and designs was developed to increase the efficiency of production processes, to protect the downstream equipment from corrosion and fouling within the process, to remove visible plume from any gas stream and to decrease droplet emissions.

Brink® Mist Eliminators can be used in many processes such as:

- // Sulfuric Acid
- // Chlorine
- // Plasticizer
- // Nitric Acid
- // Ammonium Nitrate
- // Sulfonation
- // Asphalt and Roofing Manufacturing
- // Incinerators
- // Compressed Gas
- // and many more

The **DynaWave® scrubber system** cleans extremely dirty gases with high dust concentrations and sticky impurities without plugging.

Froth zone technology makes gas absorption (e.g. SO₂, HCl, HF a.m.m.) and removal of particulates as well as hot gas quenching in one equipment possible. Due to an open injector insoluble reagents can be used. The DynaWave® scrubber system is characterized by a simple operation and a high on-stream reliability.



// FOR PRODUCTION AND INDUSTRY

MECS organic package units clean gas streams with high plasticizer concentrations or oil mist.

The gas stream cooled down and freed from contaminants by means of mist eliminators. The packages utilize Brink® Mist Eliminators which achieve guaranteed collection efficiencies up to 99.5%.

The **SULFOX process** is a perfect solution to clean smaller gas flows with medium concentrations of sulfur dioxide or hydrogen sulfide economically.

Using a catalytic process strong sulfuric acid will be formed out of the sulfurous components.

Gas-gas plate heat exchangers are custom engineered and offer the most efficient means on the market for recovering heat from energy consuming processes.

Our heat exchangers are key components in a variety of modern chemical plants. We offer three types of heat exchangers: MECS-ThermoZ™, Monplex II™ and OCAP™.



Brink®, MECS-ThermoZ™, Monplex II™, OCAP™ and DynaWave® are registered trademarks of MECS.
Photo Copyright© 2012. E. I. du Pont de Nemours and Company. All rights reserved.
DuPont™ and MECS® are registered trademarks of DuPont or its affiliates.