

CLOSER TO A CLEAN TOMORROW.

OUR CONTRIBUTION TO THE
WOOD-BASED PANEL INDUSTRY



Our sustainable technologies ensure a clean planet for generations to come.

Scheuch Group vision



The world's population is growing steadily, while our planet's natural resources are limited. The wood-based materials industry plays a key role in the sustainable use of raw materials and is also faced with the challenge of reducing emissions and increasing energy efficiency. That is why we at Scheuch have made it our mission to actively protect people and the environment by providing high-performance plants for air pollution control.

By taking a holistic view of exhaust gas cleaning concepts – from the dryer to the press – we enable synergies that offer the greatest possible benefits, both ecologically and economically. Our solutions are characterised by maximum availability, high separation efficiency, low maintenance requirements and low life cycle costs. These customised solutions for the wood-based panels industry enable our customers to make their production processes more efficient and environmentally friendly. In this way, we combine ecological responsibility and economic success, making a valuable contribution to preserving our planet for future generations.

Alois Hermandinger
Director Sales & Product Management

Under the umbrella of the Scheuch Group: Together for a better world.

The Scheuch Group, headquartered in Aurolzmünster, Austria, and with subsidiaries all over the world, is one of the world's leading technology companies in the field of air pollution control.

We are working every day on new solutions to reduce emissions in a wide range of industries around the world. We rely on intensive research and development – this enables us to further expand our international innovation lead.

In addition to the metal, energy, wood-based panels, stone, earth, glass and wood industries, our core market also includes the equipment and components business. As a plant engineer, we cover the entire range of services from sales, project management, design, research & development, manufacturing, assembly, commissioning and after-sales service. And all of this is always optimally adapted to the requirements of our international customers.

DID YOU KNOW THAT ...

... we have an innovation centre with an associated research and development department, as well as a very high level of in-house production, combined with global production partners?





Product and service portfolio for all areas of production

When it comes to exhaustion, dedusting, exhaust air cleaning, pneumatic conveying and fibre sifting, we offer a complete range of products and services for everything involved in chipboard, MDF and OSB panel manufacturing – from chip and fibre processing, to production itself, all the way through to finishing and refining.

FLUE-GAS CLEANING



← POWER GENERATION

ELECTROSTATIC FILTERS

DRYING



FAN

CLASSIFYING



FIBRE SIFTER

FORMING



EXHAUST SYSTEM AND
DEDUSTING TECHNOLOGY

PRESSES



PRESS EXHAUST SYSTEM

FINISHING



BAG FILTERS

REFINING



EXHAUST GAS COLLECTION
AND DUST REMOVAL

FACTS

The right application for every process:

- BAG FILTERS
- ELECTROSTATIC PRECIPITATORS
(as of 100,000 m³/h)
- ROUND FILTERS
- CYCLONE
- CONVEYING SYSTEMS
- FANS
- ROTARY VALVES
- DRYER EXHAUST GAS
CLEANING SYSTEMS
- PRESS EXHAUST SYSTEM

Tailor-made filtration technology

A comprehensive range of bag filters with the proven impulse cleaning system and modular filter series enables precise adaptation to individual customer requirements with regard to process-related and structural conditions.

Scheuch applies its decades of experience to the filter, from the planning phase to commissioning, which is reflected in countless completed plants. The result is a low pressure loss, which is achieved by an optimal inflow and outflow of the filter as well as the use of the appropriate filter bags. Scheuch's philosophy is centred around the aim of offering all customers the most economical and efficient solution, individually adapted to their specific requirements.



Your reliable Partner

With our qualified employees, we offer our customers 'everything from a single source' – from consulting and project planning to manufacturing, installation and commissioning, as well as plant service and emission measurements. This enables us to ensure timely performance, reliable compliance with the guaranteed values, efficient project

completion without interface problems and competent support even after commissioning. With our worldwide network of partners, we are also able to organise and coordinate individual on-site service packages such as manufacturing, assembly or service.

Dryer exhaust gas cleaning

For the efficient cleaning of the dryer exhaust gases, Scheuch relies on different processes or process combinations and combines electrostatic and biological processes with gas scrubbers. The focus here is on compliance with local official emission requirements.

The holistic consideration of the waste gas purification concept of the entire plant also enables the use of synergy effects such as heat recovery. In doing so, the different

requirements of the customers are addressed individually and a tailor-made solution developed.

THE BENEFITS

- high availability
- low operating costs
- high degree of separation

Effective fibre sifter increases board quality

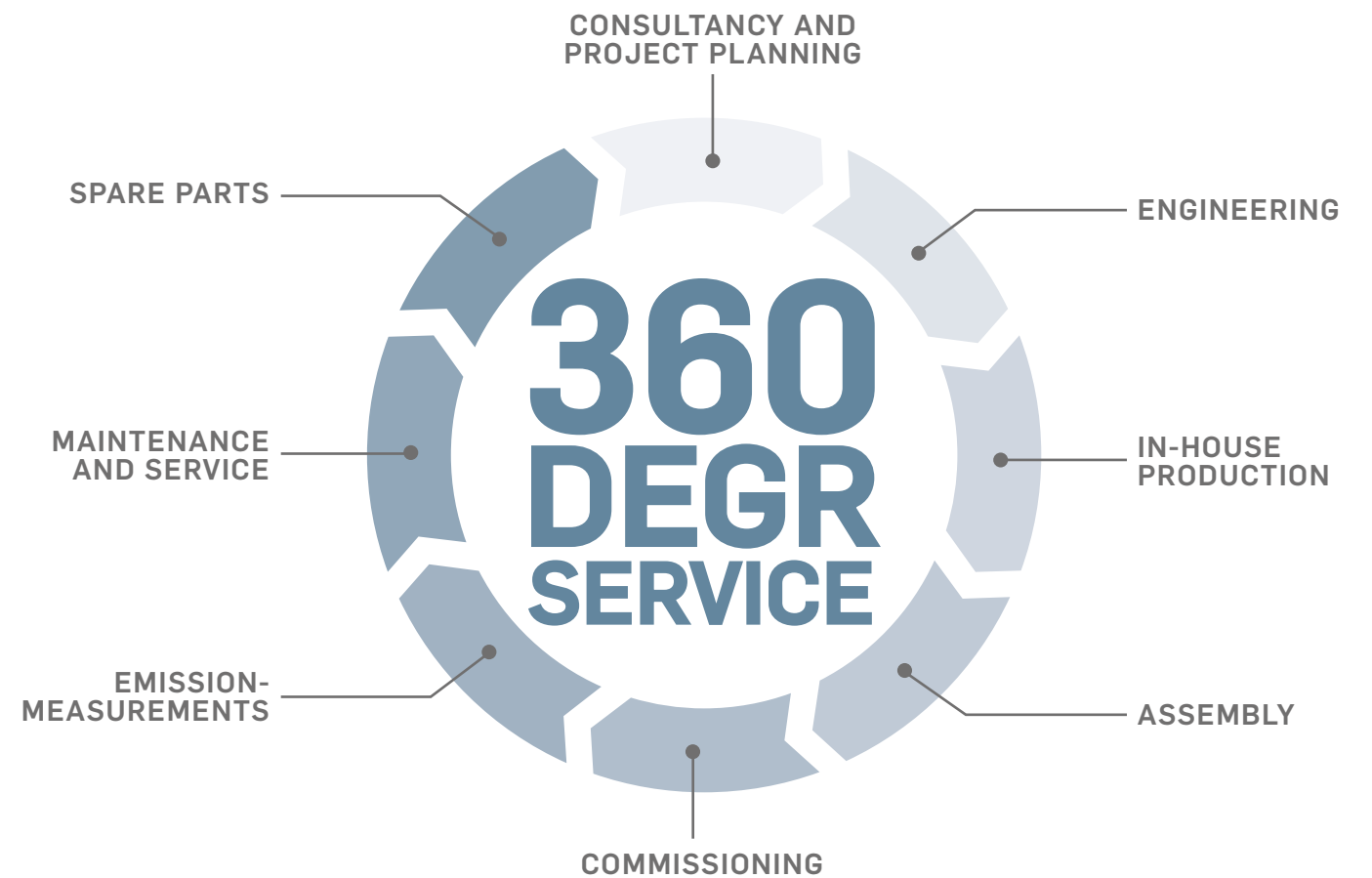
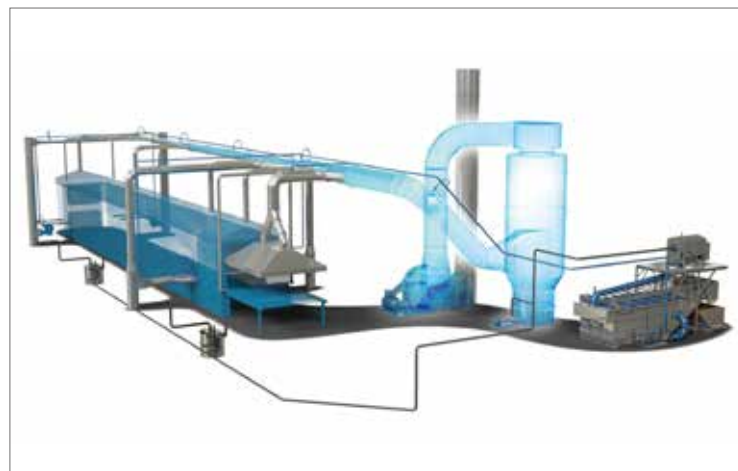
The fibre classifying system plays an important role in ensuring that panels can be produced with a reliably high level of quality. With a degree of separation of up to 99%, the classifier ensures that the press plant is available for operation. The composition of the ejected material from the classifier provides information about deviations from the upstream process steps. Scheuch fibre sifters have low energy demands and can be flexibly adjusted to the applicable production conditions.

Efficient detection and cleaning of press vapours

Scheuch's *sap* and *esap* systems ensure efficient collection and preliminary cleaning of the press emissions, thus keeping the press clean while also minimising the risk of fire.

The *sap* process carries out preliminary cleaning of the exhaust gas before it is fed to a final treatment area.

With its integrated wet electrostatic precipitator, the *esap* process meets the high standards expected of a final cleaning system.



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With our diverse product range for dedusting, Heat recovery and emission reduction: we offer customised solutions tailored to the needs of our customers around the world.

— ALOIS HERMANDINGER,
DIRECTOR SALES & PRODUCT MANAGEMENT



scheuch

TECHNOLOGY FOR CLEAN AIR

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