



echeuch
TECHNOLOGY FOR CLEAN AIR

SCHEUCH FANS

OVER 50 YEARS OF IMPRESSIVE SOLUTIONS
FOR MAXIMUM PERFECTION & QUALITY

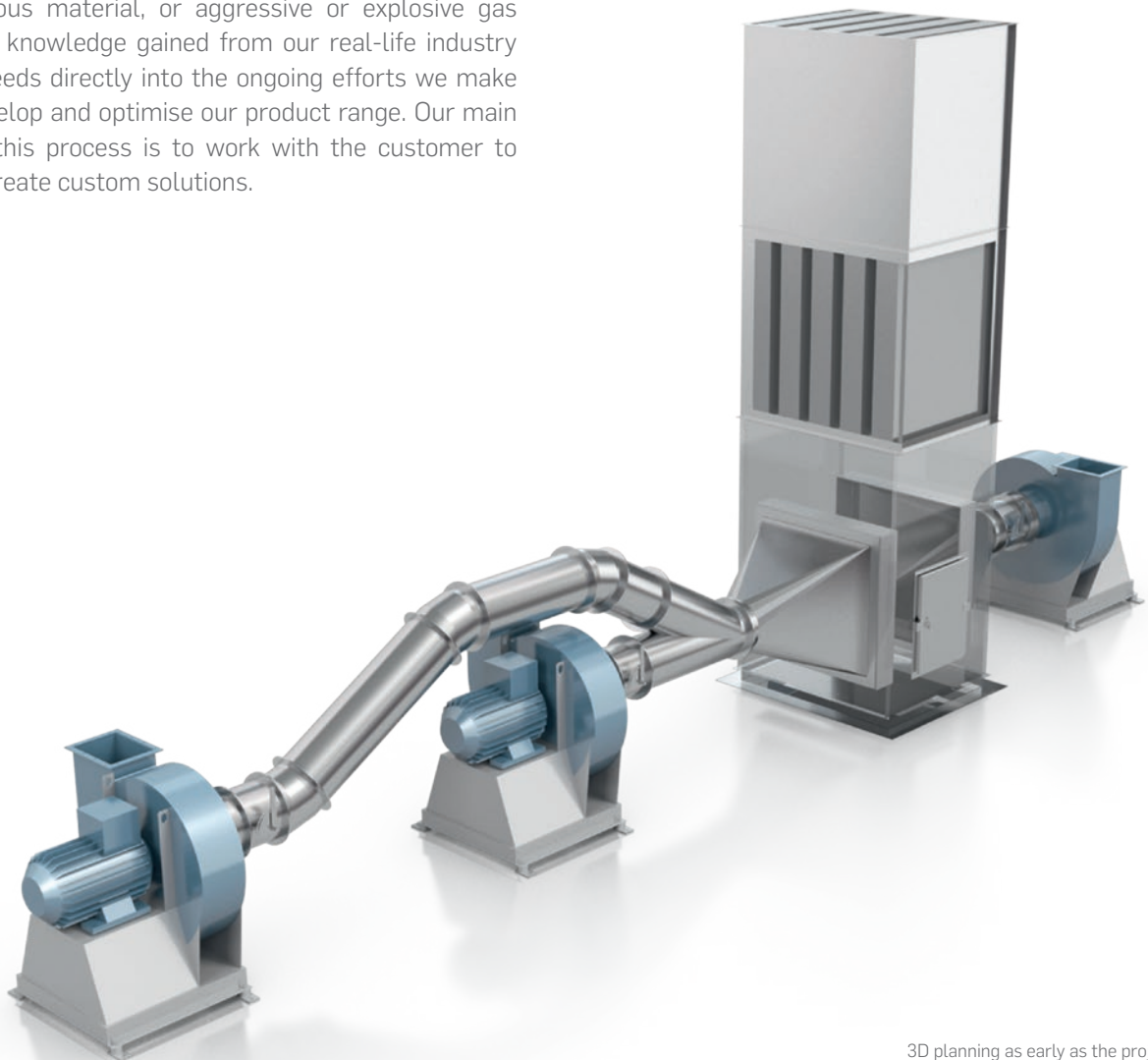
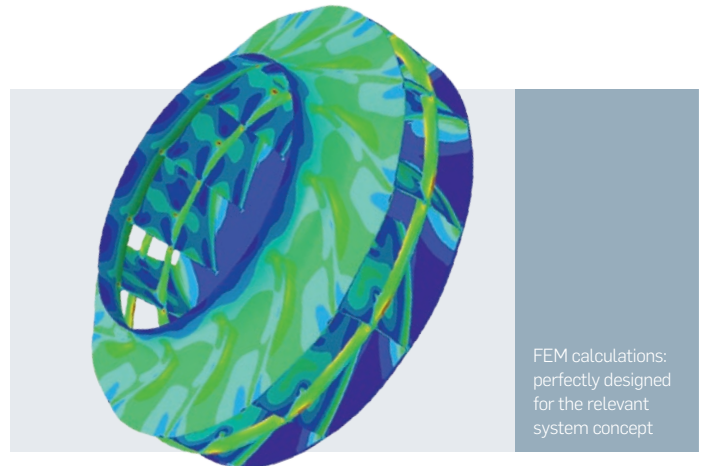
FOR CUSTOM APPLICATIONS

FANS: WHERE OUR HEART IS

Since the company was established over 50 years ago, Scheuch has built more than 70,000 industrial-grade radial fans to transport clean or dusty air. Thanks to the company's extensive expertise as a plant manufacturer, customers are guaranteed maximum availability and a long service life.

THE RIGHT FAN FOR SPECIFIC RANGES OF APPLICATIONS

As a result of using fans in complete plants for dedusting and exhaust gas cleaning, Scheuch has acquired a wealth of experience with specific requirements in a wide range of sectors – regardless of whether the air in these applications is carrying shavings, fibrous material, or aggressive or explosive gas mixtures. The knowledge gained from our real-life industry experiences feeds directly into the ongoing efforts we make to further develop and optimise our product range. Our main focus during this process is to work with the customer to develop and create custom solutions.

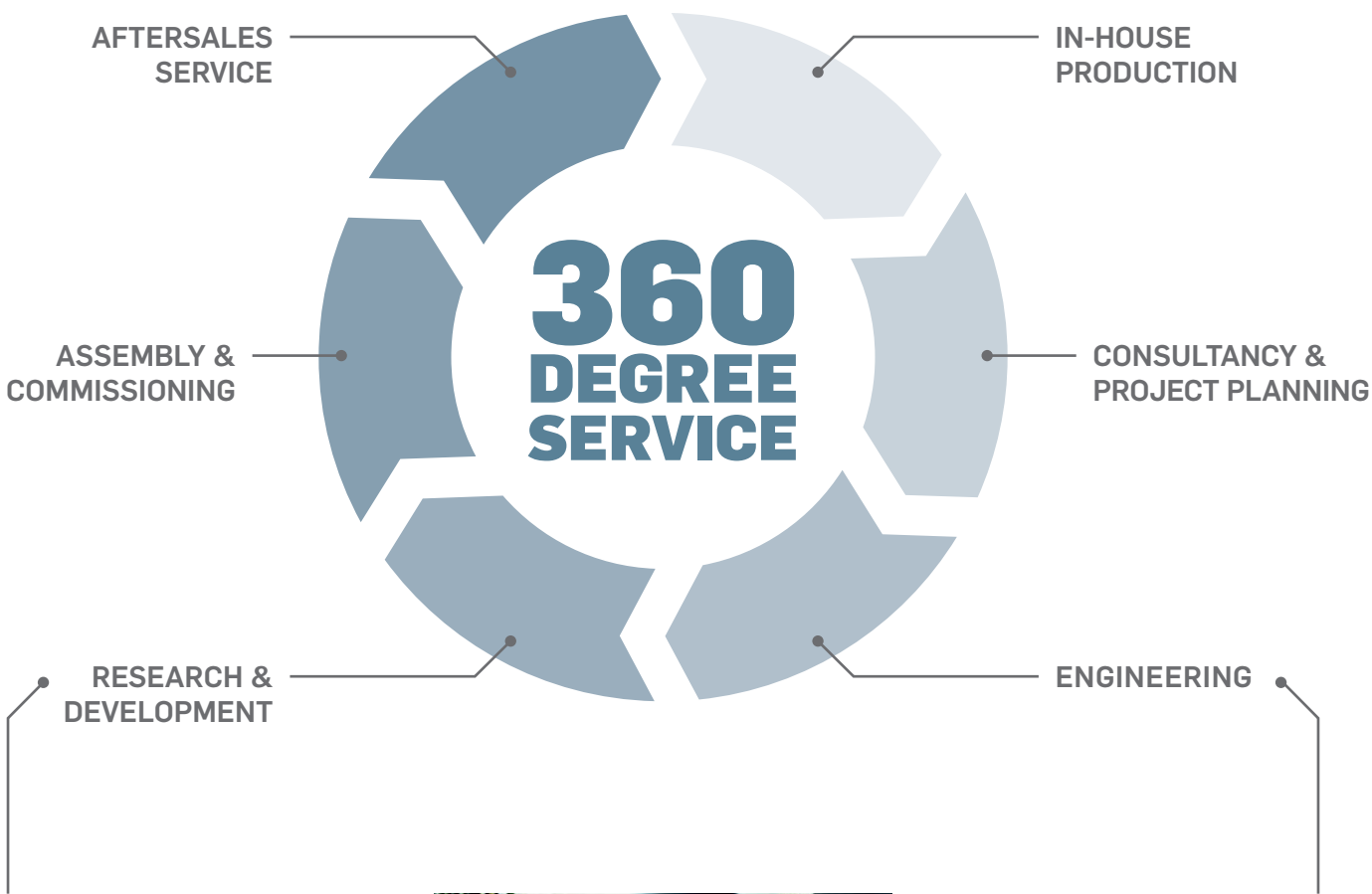


3D planning as early as the project phase.



THE NUCLEUS OF SUCCESS

YOUR ONE-STOP SHOP



INNOVATION CENTER

In our technology center at Scheuch's headquarter in Auroldmünster, Austria, we develop product solutions in line with your requirements. Thanks to our engineering expertise, we find the best configuration foundations for the components in your plants.



PROCESS EXPERTISE

With our many years of experience in plant manufacturing, we develop the right solution to suit your specific needs. Your requirements are our objectives!

RESEARCH & DEVELOPMENT

CUTTING-EDGE MEASUREMENT TECHNOLOGY TO MEET THE HIGHEST REQUIREMENTS

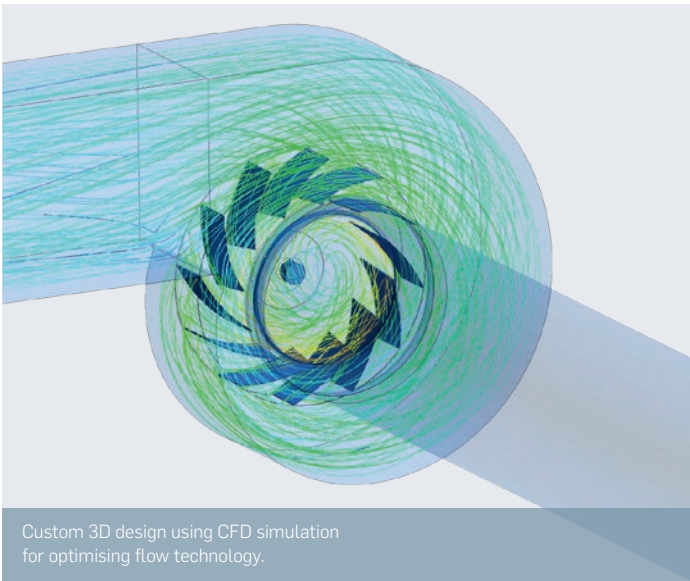
The area of research & development has always been one of Scheuch's priorities, and is a cause that is rigorously and intensively pursued because it forms the basis for the high availability and long service life of our fans.

SCHEUCH OFFERS

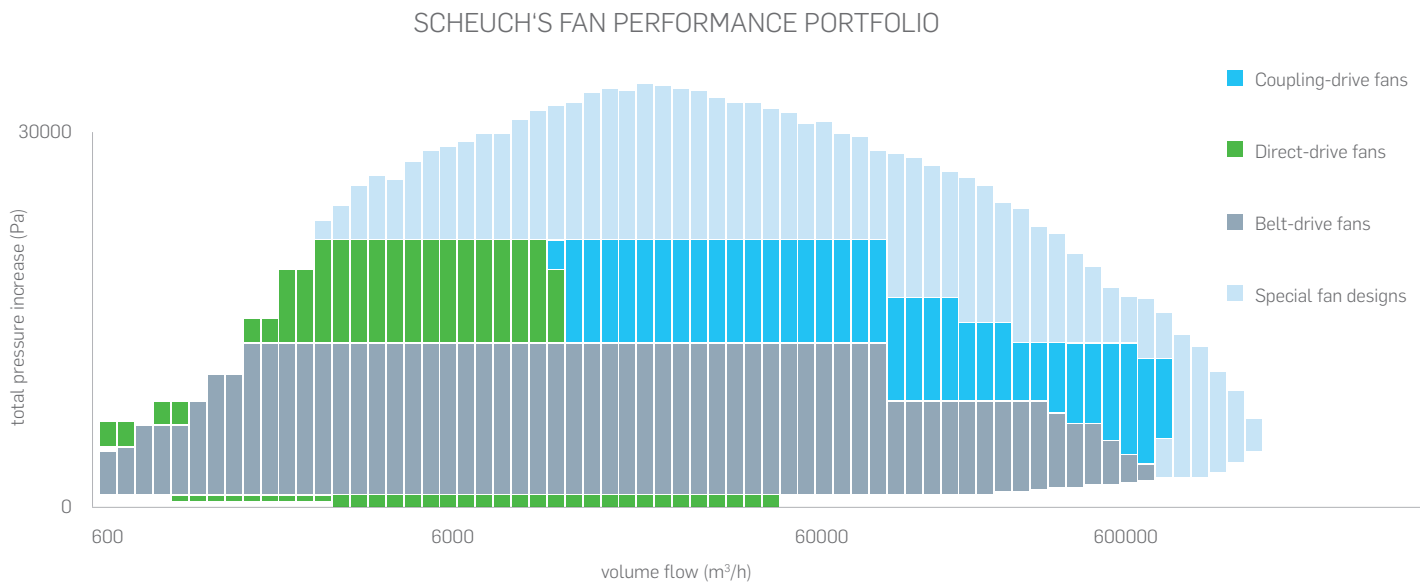
- CFD simulations for optimising flow technology
- performance measurements on Scheuch's own fan test bench (on the basis of DIN EN ISO 5801)
- FEM calculations
- Sound analyses, expert assessments and proposed solutions
- Upgrades to increase performance and safety

ACHIEVING ENERGY EFFICIENCY BY BOOSTING PERFORMANCE THROUGH FLOW OPTIMISATION

An optimised fan inflow has a significant influence on efficiency and energy consumption. When it comes to planning, Scheuch consistently recognises the importance of an efficient inflow and outflow. With the help of CFD simulations, we are



able to optimise the inflow in installation situations where space is limited by performing calculations for a variety of baffle plate configurations.



Scheuch's fan performance portfolio is impressive evidence of just how extensive individual areas of application can be.

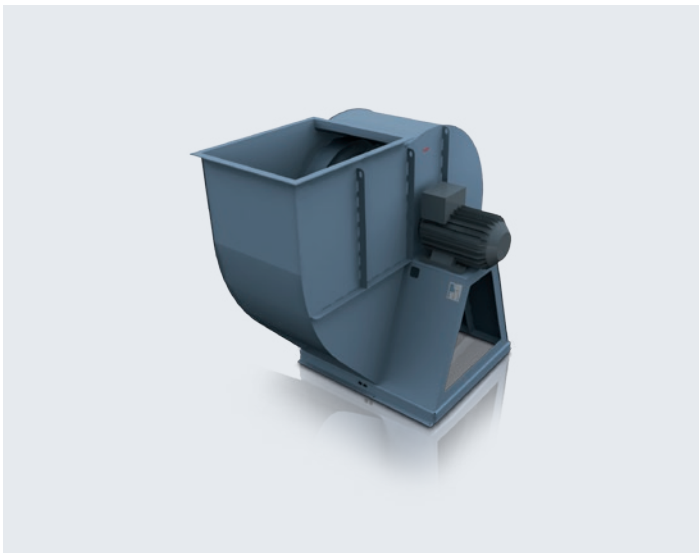
SCHEUCH FAN TYPES

THE HEART OF EVERY SYSTEM
IN A VARIETY OF DESIGNS

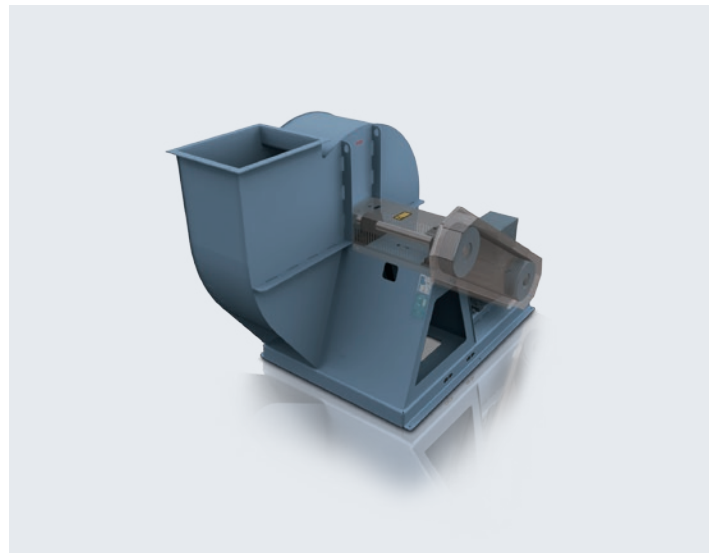
ENERGY EFFICIENCY THANKS TO
A WIDE VARIETY OF FAN TYPES

Selecting the right fan design has a significant impact on investment and operating costs. That's why Scheuch fans are divided into a finely tuned range of model types. This allows the customer to take the relationship between the overall

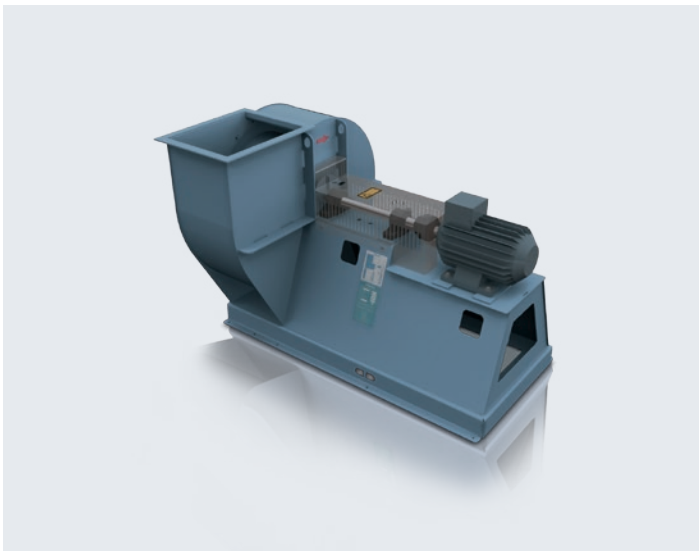
pressure increase and the volumetric flow into consideration to select the right fan for the optimum operating point – with the best possible energy conversion factor for energy efficiency.



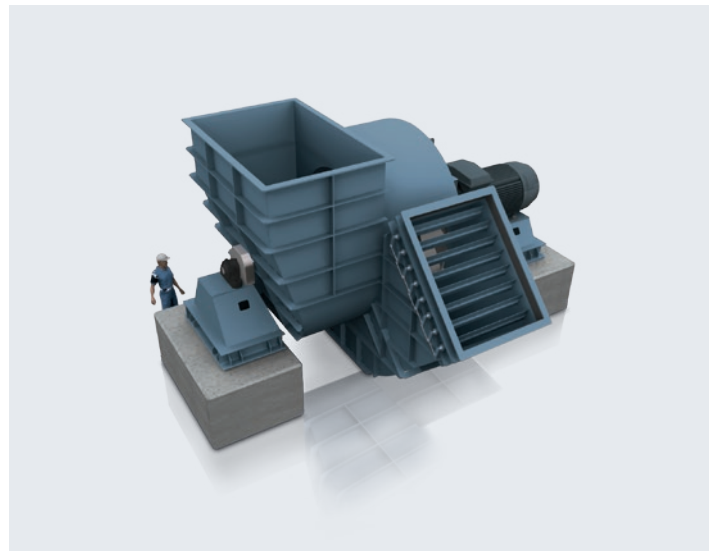
Direct drive



Belt drive



Coupling drive



Bearings at both sides

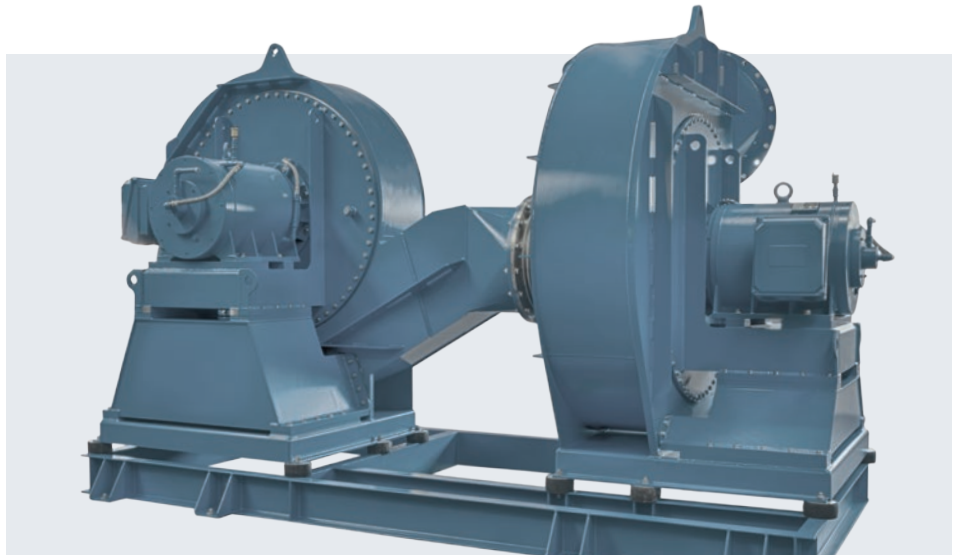
SPECIAL SOLUTIONS AND ACCESSORIES

FOR THIRD-PARTY BRANDS TOO



Customerspecific adaptation of standard fans in industrial furnace construction.

Countless systems the world over prove the unparalleled quality of Scheuch components on a daily basis. Over the decades, Scheuch has been able to garner a wealth of technical process knowledge in a wide variety of sectors, with the result that the Innviertel, Austria-based specialist now boasts an extensive and innovative range of fans that can always be customised as circumstances require and adapted to suit the needs of the customer.



Gas-tight fan in two-stage design for transporting hydrogen.

SPECIAL DESIGN FANS – DESIGN VARIANTS

- Transportation of explosive gas mixtures in 100% ppm-tight design for transporting H₂, for example
- Pressure-shock-proof design
- Two-stage or multi-stage design for high pressure levels
- Special materials for (chemically) aggressive media: stainless steel, aluminium, etc.
- Hot-gas applications up to 550°C
- Customerspecific forms

SAFETY AND ADDITIONAL EQUIPMENT

- Wear-protection designs
- Sound protection cabin, silencers
- Control devices (twist throttle, throttle flap, frequency converter)
- Suction-side accessories (air intake chambers, joint adapters)
- Electronic monitoring systems (rotation, temperature and vibration monitoring)
- Circulating oil lubrication
- Certifications: TR ZU (EAC) certificate, ATEX

MADE IN AUSTRIA

MAXIMUM QUALITY THANKS TO IN-HOUSE PRODUCTION AND ASSEMBLY



Welding manipulators for fans of up to 10 tonnes in weight

FANS OUT OF THE SCHEUCH PRODUCTION

Right from the point at which the first Scheuch fan came into being, every single radial fan has been exclusively manufactured and undergone continuous further development in Scheuch's own production facilities. Here, our number-one priority is preserving the highest level of product quality by means of ongoing optimisation within the production chain and an extensive quality management system.



Assembly, commissioning and acceptance by the subsidiary Scheuch Service GmbH

OVER 50 YEARS OF SERVICE EXPERIENCE

The experts from Scheuch Service GmbH provide quick on-site assembly and commissioning. Many years of experience in dealing with Scheuch components and extensive expertise stemming from decades of working all over the world create a recipe for success.



FOCUS ON DELIVERING CUSTOMER VALUE

SCHEUCH OFFERS HIGHLY QUALIFIED SERVICES – ALSO FOR OTHER MANUFACTURERS

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