







### WE UNITE

### TRADITION WITH VISIONARY POWER.

The SCHÜTZ Group was founded in 1958 by Udo Schütz and presently employs over 7,000 people at more than 60 locations worldwide. As a leading technology company, SCHÜTZ's core competence lies in metal and plastic processing.

At our headquarters in Selters and at the Siershahn factory we are committed to the development, production and sale of innovative products and advanced manufacturing methods. Our strategy is to master the technologies we use ourselves in depth and down to the finest detail. The know-how we gain from the close integration of product and production competence is the basis for our ability to continually inspire with new solutions made of steel, plastic and innovative materials.

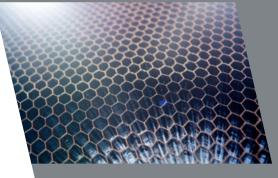
The business activities of the SCHÜTZ Group are grouped into the four divisions PACKAGING SYSTEMS, ENERGY SYSTEMS, INDUSTRIAL SERVICES and COMPOSITES.



## COMPOSITE MATERIALS MADE OF

### **HONEYCOMB STRUCTURES.**





In the COMPOSITES division, SCHÜTZ has been manufacturing lightweight materials since 1985. With CORMASTER®, we have developed an innovative honeycomb material that offers outstanding material properties and uncompromising quality, as well as exceptional formability and processability.

This makes CORMASTER® the ideal solution for a broad range of uses and applications. It has been employed in the

aviation industry for many years, where it is used for structural components and in cabin construction due to its high stability and durability combined with low weight and absolute corrosion resistance.

CORMASTER® is also successfully used in many other areas, where every single gram can make all the difference, such as motor racing, automotive and marine construction, sports equipment and many other high-tech products.

From development to production, CORMASTER® complies with a rigorous quality management system that is certified in accordance with the **EN ISO 9001** and **EN ISO 9100** standards which apply specially to the aviation, aerospace and defence industries.

As a pioneer in the production and use of honeycomb in high-tech lightweight construction, we are committed to continually refining our materials and processes, and we develop all equipment and tools in-house in order to offer the very best solution for your specific application.



# THE HIGH-PERFORMANCE MATERIAL YOU CAN DEPEND ON.

CORMASTER® honeycomb is made of NOMEX® or KEVLAR® paper that is shaped in a hexagonal or hexagonal overexpanded configuration in a multi-stage process and is then reinforced with resin. The honeycomb parts can be easily processed by milling, forming or laminating, making them exceptionally versatile.





#### CORMASTER® CN1 PRODUCT FAMILY - THE HIGH-TECH MATERIAL MADE OF

KEVLAR® N636 PAPER FOR SUPREME LIGHTNESS

CORMASTER® CN1 honeycombs are ideally suited for aerospace applications and all other areas where maximum performance combined with low weight are the main requirements. Excellent stability and rigidity combined with the lowest density make this material suitable for use in structural and sandwich applications.

#### FEATURES & BENEFITS

Extremely high shear modulus, 1.5 to 3 times higher than NOMEX® honeycomb at the same density

Excellent compressive strength, 20% higher than NOMEX® honeycombs in terms of density

## **CORMASTER® C1 PRODUCT FAMILY –** DESIGNED FOR THE COMMERCIAL AND MILITARY AVIATION INDUSTRIES

These honeycomb types made of NOMEX® T412 paper meet the requirements of aviation specifications and are suitable for many important structural and cabin applications in the aviation industry.

#### FEATURES & BENEFITS

Self-extinguishing and low fume toxicity

Corrosion resistance against water, oils and fuel

#### ${f CORMASTER}^{\&t B}$ ${f C2}$ ${f PRODUCT}$ ${f FAMILY}$ — The standard for

INDUSTRIAL LIGHTWEIGHT CONSTRUCTION

Special honeycombs made of NOMEX® T722 paper for use in many important industrial structural sandwich applications, including motor vehicles, trains, ships and sports equipment.

FEATURES & BENEFITS

Excellent value for money

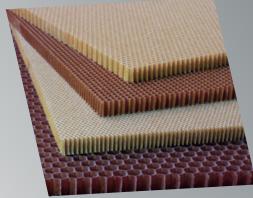
Superior mechanical properties with a high strength to weight ratio



## WE GET

# CORMASTER® INTO EXCELLENT SHAPE FOR YOU.

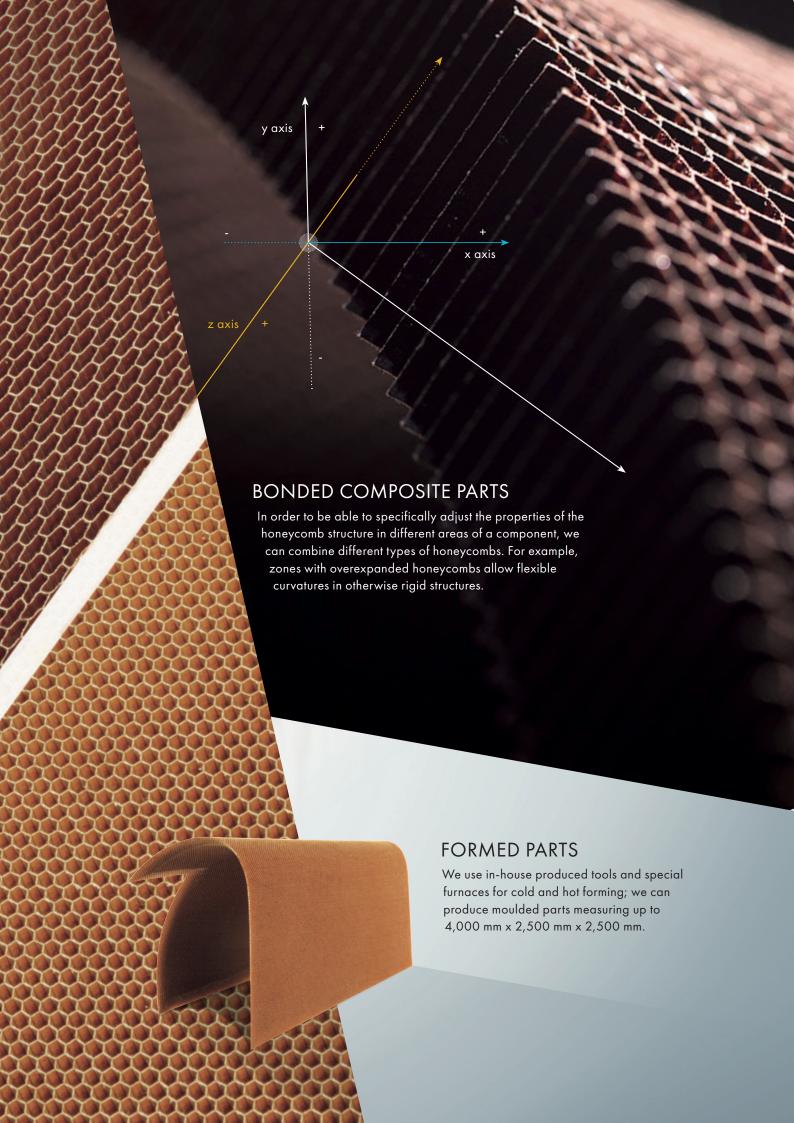
In accordance with your exact individual specifications we shape CORMASTER® honeycomb blocks using various certified processes, including milling and heat-shaping. You get the honeycombs in precisely the shape you need.



#### SLICES

Using horizontal saws, the CORMASTER® blocks are cut into highly precise slices as thin as 1.5 mm.

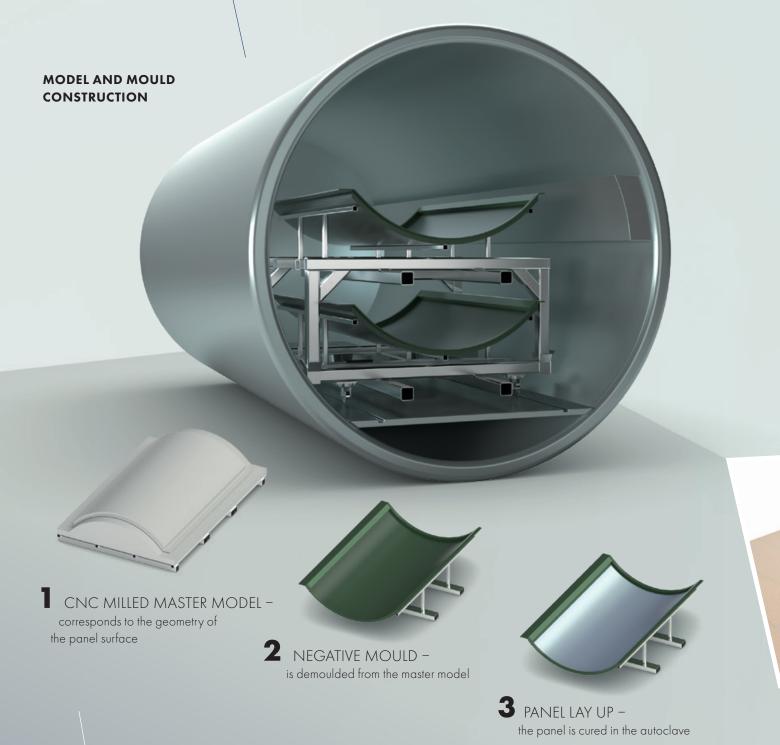


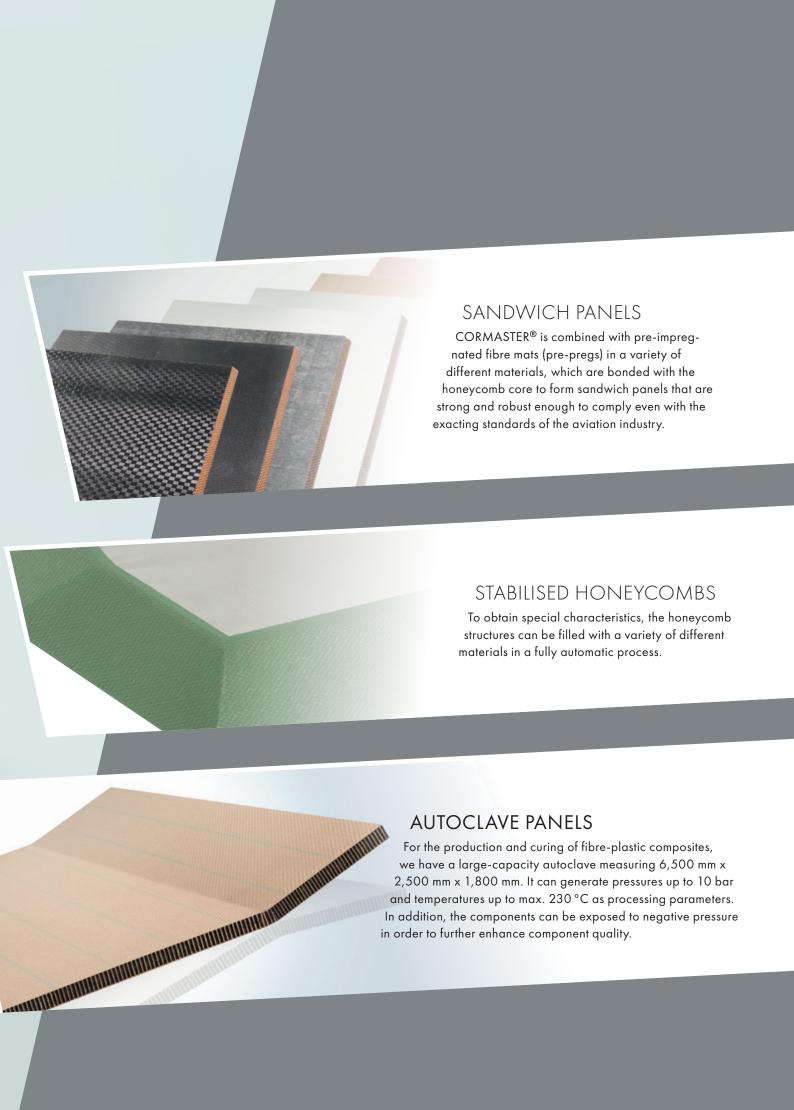


## PERFECT SERVICE FROM A SINGLE SOURCE -

## INCLUDING MODEL AND MOULD CONSTRUCTION

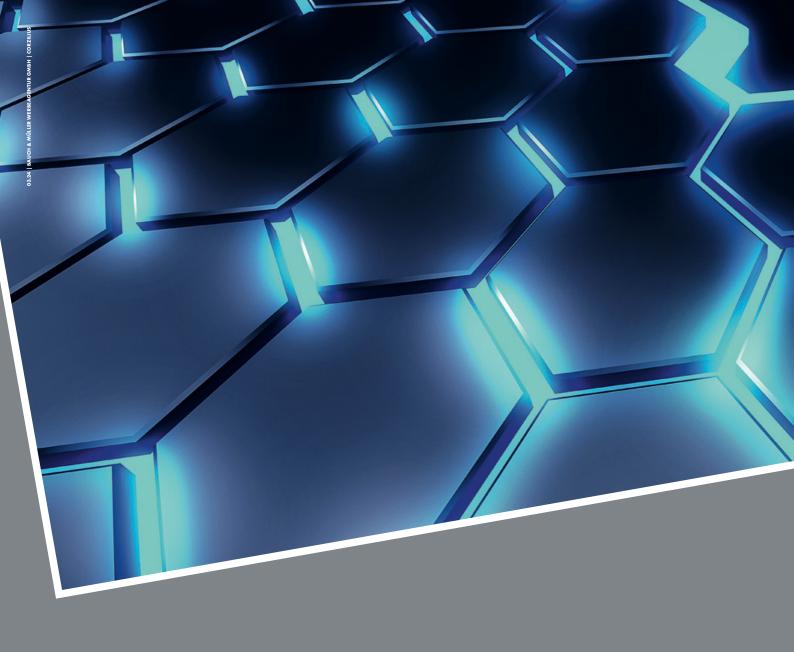
We offer our customers three-dimensional, autoclave-cured sandwich panels as well as the equipment required for the production of autoclave panels and formed parts. We manufacture all the necessary moulds for your products in our own model and mould-making department, based on the geometric data of the components you need.











Do you have further questions about  $\mathsf{CORMASTER}^{\textcircled{\$}}$  and its applications?

We will be happy to help: +49 262 77 4096



If you would like to learn more about our company and our products please contact:

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