

NEW CORMASTER® HONEY-COMB BLOCK PRODUCTION

passes all customer tests

The CORMASTER® lightweight honeycombs made on the new, highly automated SCHÜTZ production line in Selters have been approved by all OEM customers, showing that our honeycombs comply with the highest quality standards. A wide range of qualification tests have been successfully completed, confirming the outstanding performance of the new honeycomb block production line.

Following the successful completion of the process tests, the first qualification blocks were manufactured in May 2023. In total, more than 100 blocks for testing and qualification purposes were manufactured on the new production line and around 3,000 material samples were tested in the laboratory. The qualifications included compression and shear tests, partly at elevated temperatures and partly after artificial ageing, as compression and shear strength are the most important quality characteristics for CORMASTER® honeycomb alongside density and cell width. Based on this, approximately 1,000 pages of qualification reports were produced for a variety of customers. Over a hundred process instructions, test plans and customer-related process control documents were adapted or created in order to fulfil the regular aviation standards.



SCHÜTZ's new honeycomb block production line fulfils the requirements, and all products exceed customer requirements.



The result: SCHÜTZ's new honeycomb block production line fulfils the requirements, and all products exceed customer requirements. As a result, the production lines have been approved by all OEM customers, including Airbus, SAFRAN and Pilatus. In addition, the honeycombs manufactured on the new production line were qualified according to the general standards LN, AMS, ASNA, SCHÜTZ Industrial Honeycombs, SCHÜTZ Marine Honeycombs and SCHÜTZ Kevlar® Honeycombs.

The reason for the tests was the expansion of the CORMASTER® production facilities when a new 6,000-square-metre hall complex was added at the Selters site.

The new production line ensures full redundancy in the existing system. This means that one line can continue to run if the other line fails. Planned by SCHÜTZ engineers and largely manufactured in the company's own machine and plant engineering department, the project was completed almost entirely in-house. Among other benefits, this ensures uniform quality standards worldwide, a high degree of flexibility and short downtime intervals in the event of potential repairs.

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