



MOULDING & INJECTION MOULDING

PRODUCTS THAT ARE EXTREMELY ROBUST.

WKT PRESS TEC is an expert in thermosets: The Geeste-based company produces durable plastic components that are used in a wide range of applications. It specialises in processing sheet moulding compound (SMC) and bulk moulding compound (BMC). The glass fibre-reinforced polyester or vinyl ester resins offer numerous benefits: They provide excellent insulation and are resistant to heat and leakage current while being impressively lightweight.

WKT PRESS TEC uses three different processing methods: injection moulding, injection-compression moulding and hot pressing. In injection moulding, BMC compounds with fibre lengths of up to 25 mm and sprayable SMC with fibres up to 30 mm long are processed. Injection-compression moulding is mainly used for large components with high-quality surfaces. Both processes are highly automated and are viable even for medium quantities. WKT PRESS TEC uses the hot pressing process mainly for flat components and those under high mechanical stress.

APPLICATION AREAS:

- + Rail technology
- + Transportation engineering
- + Building technology
- + Automotive
- + Electrical industry
- + Mechanical engineering



PERFECTION THROUGH INNOVATION.

In the production of thermoset components, WKT PRESS TEC uses state-of-the-art technology that opens up a host of possibilities. For example, a hybrid system combines an injection moulding process and a hot pressing process to produce components from SMC and BMC. WKT PRESS TEC also uses state-of-the-art sensor technology and an innovative control concept, which ensure a perfect distribution of material in the tool while providing intelligent compensation for process fluctuations – making it a self-optimising injection moulding production process. These digital technologies not only optimise the quality of the products in a way that is fully traceable, but also enable innovative business models to be implemented.

In addition to SMC and BMC, WKT PRESS TEC processes pourable thermosets. Its range of services also includes creating design drawings and tool concepts, processing assembly orders and manufacturing complete assemblies – all carried out by employees who are passionate about plastics and want to shape the future.



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