

INNOVATION REQUIRES NEW TECHNOLOGIES

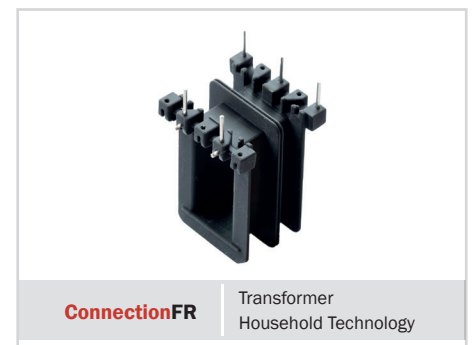
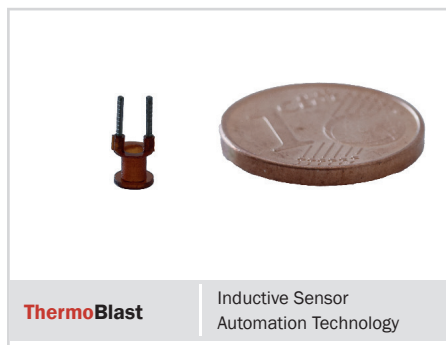
INDUSTRIAL ADDITIVE MANUFACTURING



FUNCTIONAL PROTOTYPES AND END-USE PARTS FOR THE ELECTRONICS AND MEDICAL TECHNOLOGY

Years of experience in injection molding technology and product development allow us to continually expand our range of customer products designed with the highest level of precision to meet complex specifications and functional requirements.

By integrating advanced technologies and innovative methods in our engineering and manufacturing processes, we take a holistic approach to optimizing the entire product lifecycle. From lot size 1 to series production, we deliver precision and quality that meet even the most complex specifications — while actively contributing to the development of future industry standards.



BENEFIT FROM UNCOMPROMIZED DESIGN FLEXIBILITY AND SCALABILITY THROUGH ADVANCED TOOL-LESS MANUFACTURING THAT DELIVERS PRECISION AND SUPERIOR QUALITY ACROSS ALL PRODUCTION VOLUMES.

We use additive manufacturing to diversify our processes, accelerate product development and deliver individual solutions for complex customer requirements. Combined with our more than 100 years of experience in mass production, the potential of this technology is obvious. Especially when additive components are used as end products, Weisser is redefining industry standards and advancing the limits of technology.

revolutionary
flexible & serious
unlocking your potential
I am IAM



EXCELLENT MATERIALS & SYSTEMS

The additive manufacturing of high-precision plastic parts with exceptional mechanical properties requires advanced, specialized technology. We employ Hot Lithography, a patented technology that transforms highly viscous photopolymers into a workable state. This enables us to produce series components starting from lot size 1, on demand and as needed, including contact elements in injection-molding quality and precisely engineered for the electronics and medical technology industries.

EvolutionHI

The technical all-rounder with high impact strength



APPLICATION

Electronics - Tool technology - Mobility

TECHNICAL DATA

Tensile strength	53 Mpa
Young's Modulus	2150 Mpa
Elongation at break	35 %
HDT-B	80 °C
Flammability	UL94 HB [1 mm]

ConnectionFR

The material for the electronics industry



APPLICATION

Electronics - Mobility - Plug connectors

TECHNICAL DATA

Tensile strength	47 Mpa
Young's Modulus	2700 Mpa
Elongation at break	5 %
HDT-B	118 °C
Flammability	UL94 V0 [1,5 mm]
Tracking indices (CTI)	600 V
Dielectric strength	31 kV mm-1

THERMOBlast

The high-temperature material for special applications



APPLICATION

Electronics - Aerospace - Medical technology

TECHNICAL DATA

Tensile strength	90 Mpa
Young's Modulus	5000 Mpa
Elongation at break	2,4 %
HDT-B	> 300 °C
Flammability	UL94 V0 [0,45 mm]
Tracking indices (CTI)	600 V
Dielectric strength	30kV mm-1

Precision

The material for precision applications



APPLICATION

Fluidics - Medical technology

TECHNICAL DATA

Tensile strength	68 Mpa
Young's Modulus	2700 Mpa
Elongation at break	7 %
HDT-B	90 °C
Biocompatibility	[ISO 10993 - 5:2009] [ISO 10993 - 23:2021]

ADVANCED MANUFACTURING CALLS FOR NEW TECHNOLOGIES

Weisser Spulenkörper has been a specialist in plastic injection molding for almost 80 years and sets standards as the market and technology leader for coilformers and housings in electrical applications.

The family-owned company with more than 200 employees, continues to foster innovation and new developments and strengthens its market position through the highest quality and precision in the processing of technical plastics in combination with metal.

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