

IMD BIOFENSE®

Decoration and bacteria protection in a single process



A myriad of bacteria and germs collect on surfaces that are frequently touched. But how can manufacturers sustainably optimize the hygiene of their plastic surfaces and at the same time efficiently produce series components with unique surface designs?



The independent Fraunhofer Institute confirms
IMD BIOFENSE®
antibacterial tested
DIN ISO 22196

Sustainable hygiene protection

KURZ has developed IMD BIOFENSE® to meet this demanding requirement. This innovative surface feature with a depot effect effectively wards off bacteria on plastic surfaces. It prevents the formation of a microbial biofilm over the long term and is harmless to health.

Thanks to its enormous robustness, IMD BIOFENSE® also withstands even frequent skin contact or cleaning agents.

Integrated bacterial defense

With IMD BIOFENSE®, KURZ has succeeded in integrating antibacterial surface properties for plastic components easily and efficiently into one process.

Manufactured with advantages of IMD technology, the transparent surface protection can be combined with a variety of outstanding designs. It is well suited for high-gloss surfaces as it is for special effects such as day/night designs, Shy Tech or backlighting.

Hygienic design freedom

With its antibacterial depot effect, IMD BIOFENSE® is the sustainable and efficient solution for hygienic HMI surfaces and touch displays. In addition, the surface does not interfere with the function of antennas and capacitive sensor fields. A strong, invisible protection – also for autonomous driving and smart homes.