IMD UNIFY for Home Appliances

Individualization for intelligent interface heroes
Maximum flexibility with top efficiency

NEW! This decoration process paves the way for the trend towards open-plan living: With IMD UNIFY, connected surfaces can be designed economically and flexibly so that they can be perfectly integrated into the individual living environment. In combination with freely assignable buttons, special edition designs, different language versions, logo variants, and much more can be created. The component is decorated directly during injection molding in the IMD process and subsequently customized using digital printing.

The benefits of customizing home appliances with IMD UNIFY:

- Efficient processes as material and process steps are reduced
- Can be used for recycled materials
- The finished components can be easily recycled
- Cost-effective customization of series parts down to a quantity of 1 is possible
- Touch operation can be realized with seamless, homogeneous surfaces, and with backlighting and curved control panels or displays
- Unlimited design and customization options, including haptic designs
- Ideal for on-trend solutions, special editions, language variants, exclusive models
- Indium-based metallization possible
- Smart functions can also be implemented with metallization
A washing machine panel is produced in series using the cost-efficient IMD process and then customized using digital printing. Backlighting and touch functionality make them an intelligent interface in everyday life. IMD UNIFY utilizes in-mold decoration plus a perfectly matched hybrid digital printing capability by KURZ subsidiary BAIER. This delivers an optimal interplay of decoration and individualization via photorealistic digital printing. Benefit: 100 % efficiency!

**Step 1:**
In-Mold Decoration in series: Injection molding and decoration of the component

**Step 2:**
Individualization via digital printing

**KURZ Group competence:**
BAIER GmbH + Co KG Maschinenfabrik
- Crisp and clean images in 600-dpi resolution
- Optional decoration of contour parts
- Unlimited variety of motifs
- Additional print head for white color to increase contrast of print color to substrate
Sustainable and efficient

Get crucial and sustainable benefits with this process! Thanks to the available touch operation, you save on buttons and switches, numerous transport journeys, and work steps. This significantly improves your CO₂ balance. IMD UNIFY is also suitable for recycled materials. The decoration does not impair the recyclability of the components.

KURZ IMD BIOFENSE® – hygienic over the entire service life

Hygienically protect your surfaces! With KURZ IMD BIOFENSE®, this transparent finish can be easily combined with all designs, even with high-gloss decorations. The protective function has been confirmed by the independent Fraunhofer Institute according to ISO 22196. This finish can also be combined with IMD UNIFY.