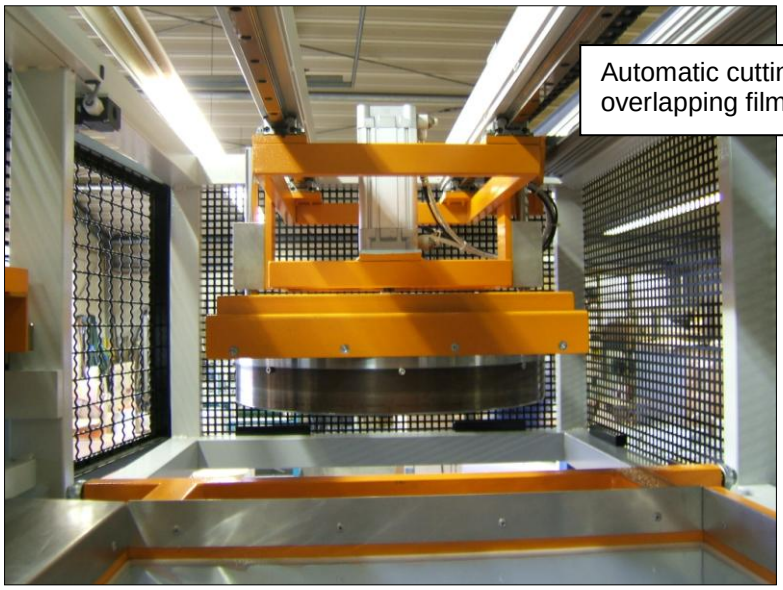
# 3D Coating machine SKVA

3D coating means that the visible surface and all sides of the product are coated with a film parallel to the contours around, while the bottom is completely filmless. This type of packaging is e.g. required to protect components with a scratch-sensitive surface during their manufacturing or transportation against scratches.

The highly transparent and environment-friendly coating film is applied without any bubbles and is of course removable without any residuals.

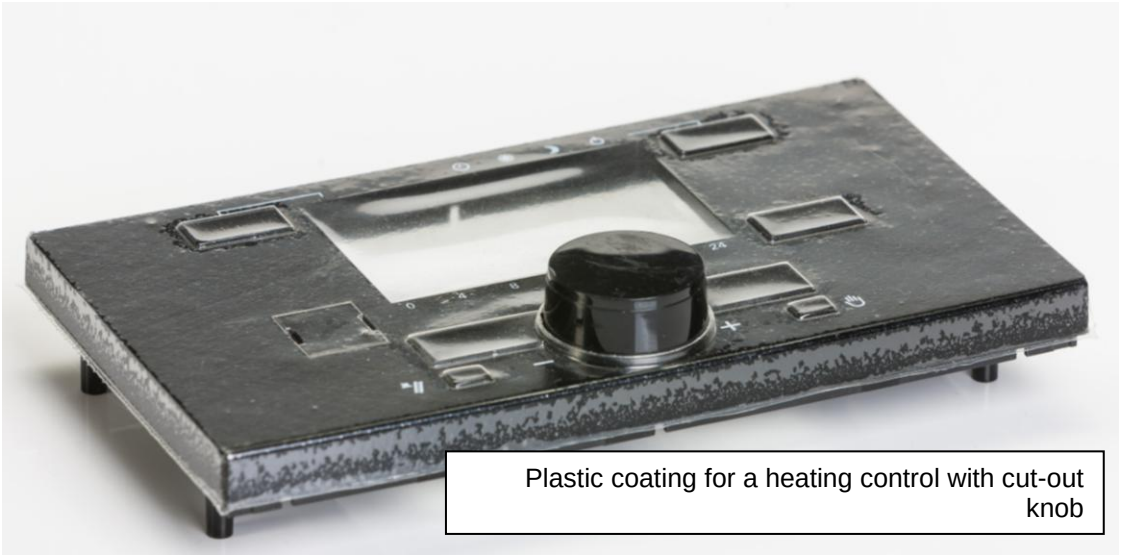
The proven packaging process of the 3D coating machine for e.g. washing-machine doors works as follows:
Only the outer visual side of a washing-machine door made of sensitive PC has to be coated with a film to protect it against scratches. The film must be stretched corresponding to the shape of the door. The bottom side must be free of film for further handling and production process of the bull-eye production. A machine's own robot system moves the door into the 3D coating machine SKVA from an external conveyor system. After 3D coating of the visual top side, an automatic cutting system cuts the film circularly from the film track. The finished coated door is automatically placed on to the external conveyor system. One cycle including all its handling, 3D coating and cutting takes only about 35 seconds.



Automatic cutting stamp cuts a round shape of the overlapping film material around the lid, ring etc.

**Examples of products that are protected by a 3D coating process:**

Door of a washing machine



Plastic coating for a heating control with cut-out knob