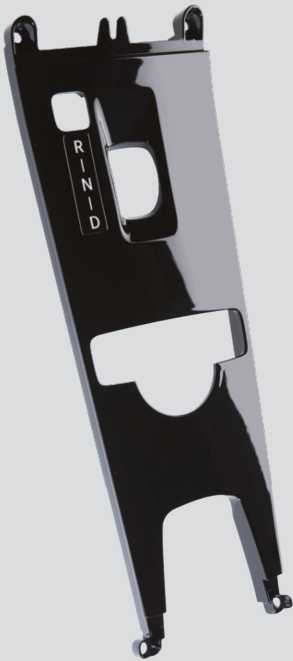


UV COATING \* UV COATING \* UV COATING \* UV COATING \* UV COATING \* UV COATING \* UV COATING \* UV COATING \* UV COATING \* UV COATING



## UV COATING

**UV coating** is an environmentally friendly, low-solvent coating method that can be used for technical and highest-quality decorative coatings, such as high-gloss black in combination with **scratch-resistant surfaces**. The method is particularly suitable for plastic parts, because the curing takes place within seconds using UV lamps, so that no significant thermal stress occurs.

# UV COATING

## PROCESS FLOW

The plastic parts are cleaned with CO<sub>2</sub> in a fully automatic system and fed, freed of dust with ionized air, to the painting cabin, where robots apply the coating in an air-conditioned environment. Following a short evaporation phase, the coating is cured by means of UV lamps. The components are then immediately dry to touch and can be further machined or packaged. UV coatings have a solid content of nearly 100 %. No rinsing is required to collect the overspray, as the paint cabin is virtually free of particulate. The enclosed online system guarantees an economical first run, even for demanding parts.

## CHARACTERISTICS

- suitable for plastics
- short throughput times
- high scratch resistance
- low in solvents
- coating thicknesses between 10 and 50 µm
- high solids content

## LOCATION:

### **BENSELER**

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