



## Advantages

- Usually, the coated components are lasered at least 1 day after painting.
- ▶ lasering is possible immediately after painting
- ▶ Simpler logistics
- ▶ Better laser results than in mass production; The substrate is pure white after the laser process
- ▶ Colour coverage by approx. 25% higher than the competition
- ▶ 30% reduction in scrap due to optimized drying (less dust sensitivity)
- ▶ saving solvents and changing materials from AI to All
- ▶ VOC values are 40% lower than competitors
- ▶ Total emissions reduced by 75%
- ▶ Alcohol abrasion resistance (Crockmeter) significantly better than competing paint
- ▶ The slashing sensitivity is significantly lower than that of competing materials; lower reject rate for loose components

## Laser-colouring for car interiors, Laser-coating controls

### PE 72-9394/1

In automotive interiors, buttons, switches and controls are first coated and then laser treated. Finally, a day / night design is created using the backlight. In particular, the colors for this use must be impermeable to light, since only laser-generated symbols can illuminate under backlight.

Our task was to speed up the production process at the customer. The coated components should preferably be immediately laser-treated. In addition, it should also have been possible to laser treat two high-gloss paints, which also contributes to the acceleration of the process. Colors of this type are needed by many customers who produce small plastic parts, especially for car interiors.

### Painting process description

#### Painted objects

Buttons, switches, controls

#### Material

PC

#### Painting equipment

Varnishing by surface sprayers as well as spindle machines

#### Painting process

- Ventilation zone 5 min.

### Features/ Approvals

VW-Standard: VW TL 226  
Drying 30 min., 80 °C,  
airflow  
Dry layer thickness 25-30 µm

### Material used

PE 72-9394/1 Laser-coating



