



Advantages

- ▶ only with 12 µm decorative surface, very resistant to scratches and chemicals
- ▶ short drying time and low energy costs due to cold drying with dehumidified air followed by UV drying
- ▶ little organic solvents
- ▶ fast further processing such as installation and printing of apparatus
- ▶ space-saving painting and curing unit (total equipment has approx. 90 m²)
- ▶ no heating of the parts, i.e. no cooling is required
- ▶ quick shade change, making painting smaller series volumes more economical

Painting of plastic covers (e.g. vacuum cleaners) Hydro-UV single-layer paint matt, different shades

UE 84

One of the largest manufacturers of household appliances in Europe produces more than 2 million at its plant in Bad Neustadt in Bavaria vacuum cleaners annually.

Painting of vacuum cleaner covers with solvent paints was outsourced, leading to having to have a minimum amount of each shade painted, often more than was necessary to cover orders. So the supply of varnished covers continued to grow. After purchasing the UV-coating equipment, the covers can also be painted in small series directly at the factory.

Popis lakovaciho procesu

Painted objects

Plastic covers

Material

ABS

Painting equipment

UV-chain painting machine

Robotic painting

Lakovaci proces

Pneumatic robotic painting

- ▶ upper coat by room temperature
- ▶ 8 min. cold drying with dehumidified air, then immediately 10 s UV-curing with Fe-radiator
- ▶ Dry layer thickness from 12 µm

Features / Approvals

BSH internal standard for household appliances

Used material

UE 84

Hydro-UV single coat matt in various metallic shades

