

# Surface finishing

We make aluminium smarter.

apt is your reliable partner for aluminium surface finishing. We combine modern processes and technology with a well-coordinated team of experts, guaranteeing a smooth process regardless of whether it is a small profile or a large workpiece.



## Facts and figures

Production capacity anodizing  
p.a.

**7 mio. m<sup>2</sup>**

Anodizing layer thicknesses

**5 to 25 µm**

Lengths anodizing

**up to 8,000 mm**

Maximum unit weight  
anodizing

**up to 250 kg**

Production capacity  
powder coating p. a.

**1 mio. m<sup>2</sup>**

Coating thicknesses  
powder coating

**60 to 80 µm**

Dimensions powder coating

**4 m × 1.5 m × 0.25 m**

Powder coating colors

**All RAL colors**

## Aluminium finishing process

### Anodizing

- apt has one of the largest fully automated anodizing plants
- C-0 aluminium colored (natural color, E6/V1)
- Anodizing the inside of aluminium tubes or profiles (internal anodizing)
- Electrolytic dying: Bronze (C-31) to black (C-35)

### Passivation

- Fully automated passivation unit

### Powder coating

- Fully automated powder coating facility

## Excellent and sustainable product quality



### Anodizing for

- Resistance in outdoor areas
- Corrosion protection
- Individual design requirements



### Anodizing for

- Abrasion protection for system profiles
- Improving the cooling performance of heat sinks
- Electrical insulation
- Customized design of machine components
- Internal anodizing for specific industrial applications



### Powder coating and anodizing for

- Abrasion and corrosion protection (structural and system components)
- Stabilization of the production process (welding) through passivation
- Individual design requirements



### Powder coating for

- Durability due to wear and corrosion protection
- Design requirements (color)



EN ISO 9001 : 2015  
EN ISO 15088  
EN ISO 14001 : 2015

