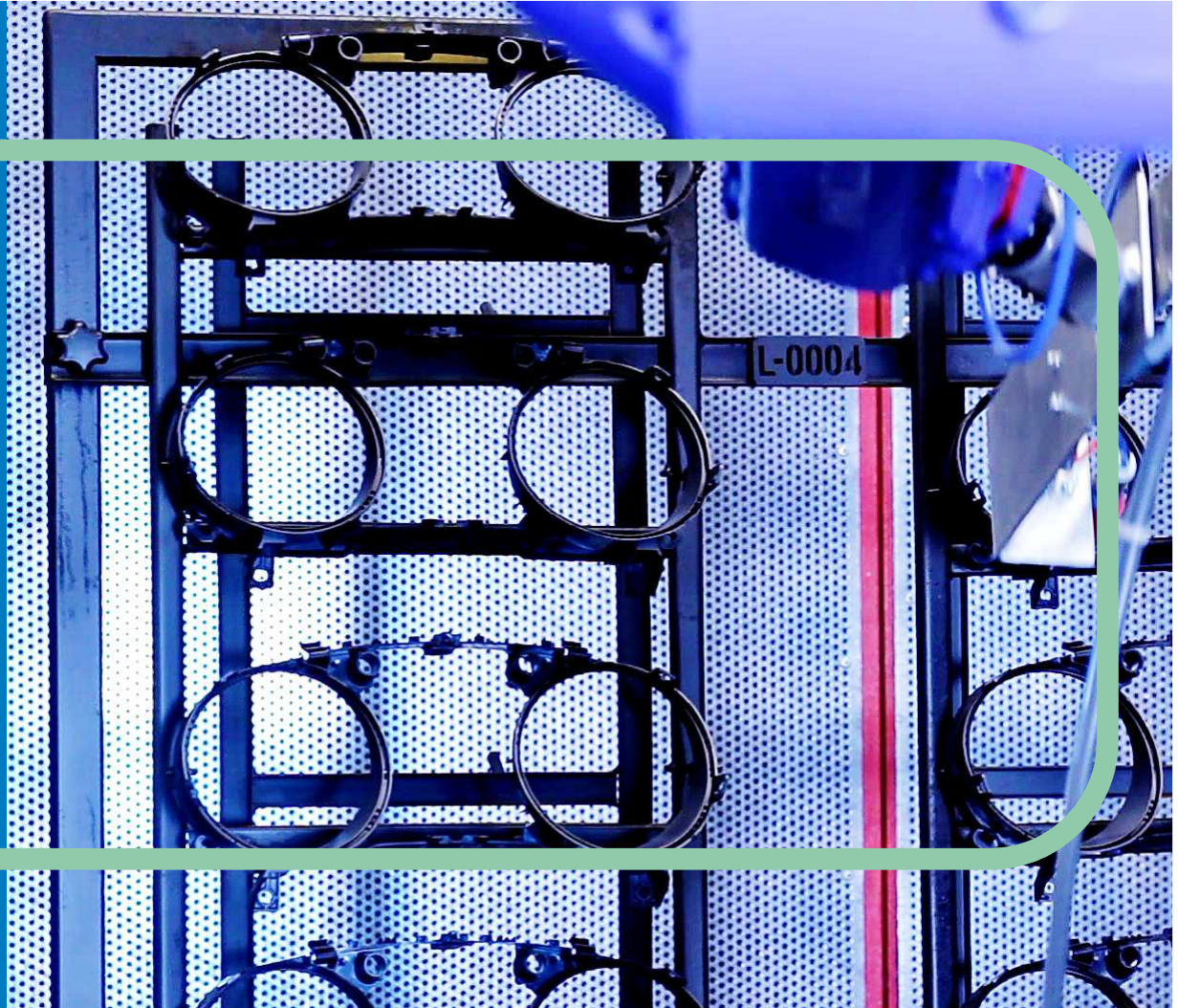


20  
19



# Ionized nitrogen painting – AFOTEK

- Size of painting frame: **110 × 90** cm
- Frame distance: **140** cm
- Number of frames: **107**
- Line speed: **65–200** cm/min
- Water based painting systems  
**2k, 1k**
- Oven: 30-60 minutes – max **90** °C
- Controlled and regulated humidity and temperature
- Painted with nitrogen as a carrier material (nitrotherm)



# FLATBED painting – SPMA

- Size of painting frame:  
**128 × 64** cm
- Line speed:  
**76** s/frame – during drying 35 min.
- Water based painting systems  
**2k, 1k**
- Oven:  
30-60 minutes, max. **90** °C
- Controlled and regulated humidity and temperature
- Parts deburning



# Technologies and added values

## Robotic CO2 pre-treatment

- Automatic and manual ionization of the parts before painting

## Low-pressure plasma

- Low pressure plasma activation of plastic parts with low adhesion, such as PP, PPS, etc., before painting process



# Manual painting box

- Size:  
4 × 5 m
- For painting trials
- Max. temperature 80 °C



# Standard measurement equipment

- SaluTron ComBi D3 - **thickness**
- Micro Gloss S - **gloss**
- Multi Thermo A - **thermometer**
- Scleroscope - **scratching**
- Ford´s cup - **DIN 4 and 6 mm**
- Stereoscope microscope - **microskop**
- Adventurer Pro AV4102C - **laboratory balance**

# Thank you for your attention

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