

CAR BODY PAINTING 2021

38TH WORKSHOP

NOVEMBER 3-4, 2021 / BAD NAUHEIM, GERMANY

CAR BODY PAINTING

10 OEM
PRESENTATIONS BY
Audi, Daimler, Ford,
Porsche, Stellantis,
Volkswagen



CAR BODY PAINTING BETWEEN ENVIRONMENTAL PROTECTION AND CUSTOMER REQUIREMENTS

The European Union's climate targets for the up-coming decades are ambitious. The aim is to reduce CO₂ emissions by at least 55 percent below 1990 levels by 2030. Ultimately, the EU is to be completely climate-neutral by 2050. In addition to stricter emissions regulations, growing environmental awareness in society is also demonstrating the importance of sustainability in the automotive industry. Added to this is consumers' rising interest in environmentally friendly vehicles. Consequently, automotive manufacturers and suppliers must reassess the sustainability of their products and value chains. The biggest challenge they face in doing so: Complying with legal requirements while ensuring cost-efficient production and meeting consumer demands. These are reflected, for example, in the continuing strong interest in two-tone vehicles. All these aspects, together with the ever-increasing digitization of processes, are of course also affecting car body painting. How can we best prepare ourselves for the coming changes? What concepts are available for sustainable paint shops? What progress is being made in automating automotive painting? These and other questions will be discussed by experts from renowned OEMs and suppliers during Car Body Painting 2021 in Bad Nauheim, Germany.



Be there and be part of these discussions!
We are looking forward to meeting you
in Bad Nauheim!

Andrea Huber
Presidium
Automotive Circle

STRONG PRACTICAL RELEVANCE WITH OEM: SHARED SOLUTION AREA

In the Shared Solution Area, various car body parts from OEM will be presented and discussed in connection with the topic "2-Tone-Painting". Compare the various designs and discuss solution approaches with the expert engineers.

The following car body parts of current vehicle models are subject to discussion in 2021:

- > AUDI E-TRON SPORTBACKS (TEST CAR)
- > DAIMLER MAYBACH
- > FORD PUMA
- > STELLANTIS (INVITED)
- > TOYOTA YARIS
- > VOLKSWAGEN (INVITED)
- > VOLVO

**LARGE
EXHIBITION!**

INTERNATIONAL OEM ADVISORY BOARD



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Volvo Car Corporation,
SE



THE CONFERENCE IS AIMED AT

Paint shop managers/planners, related division and department managers or project leaders at automotive manufacturers, as well as at Tier1 and Tier2 suppliers or service providers.

MEET THE
LEADING
OEM NETWORK

PROGRAM

WEDNESDAY, NOVEMBER 3, 2021

8.55 h Welcome and conference introduction

Andrea Huber, Automotive Circle, DE

9.00 h ESG – Environmental, Social and Governance topics that ensure your right to exist in the future, not just from a regulatory perspective but also economically

Dr. Sebastian Jursch, PricewaterhouseCoopers GmbH, DE

Key-note

SUSTAINABILITY & ENVIRONMENTAL PROTECTION

9.30 h The way to sustainable paint drying in Porsche e-vehicles

Michael Schwob, Dr. Ing. h.c. F. Porsche AG, DE

10.00 h New Generation of clear coat with focus on material saving and environmental impact

*Tanja Kallenbach, Volkswagen AG, DE;
Dirk von der Au, Axalta Coating Systems Germany GmbH & Co. KG, DE*

10.30 h VOC roadmap in solvent paintshop

Didier Corre and Dominique Bonnet, Stellantis, FR

11.00 h ☕ COFFEE & CONTACTS

11.30 h Pardis Project: from a long tradition of sustainability to a CO₂-free paintshop

Luigi Lazzari and Nicolò Mariotti, GeicoTaikisha, IT

12.00 h CO₂ reduction: Innovations on Oven Heat Recovery system

Anant M. Khond, Mahindra & Mahindra Ltd., IN

12.30 h Sonar and Suction Atomizers a novel approach to enhance top coating

Prof. Dr. Alireza Eslamian, ESS GmbH, AT

13.00 h 🍴 LUNCH

14.15 h Flexible and sustainable through the paint shop

Dr. Axel Eipper, Eisenmann Engineering GmbH, DE

14.45 h Paint shop of the future: Away from the line, towards the box

Bruno Welsch, Dürr Systems AG, DE

15.15 h Influence of the E-mobility on the Development of novel E-Coat Technology

*Peter Thomalla, Volkswagen Group, DE;
Audrée Andersen, BASF Coatings GmbH, DE*

15.45 h ☕ COFFEE & CONTACTS

DIGITALIZATION & AUTOMATIZATION

16.15 h Coatings Simulation as Product Development Tool – Digital Solutions for Efficient Processes

Hendré Swart, BASF Coatings GmbH, DE

16.45 h Virtual calculation of coating thicknesses

Dr. Lars Friedrich, Dürr Systems AG, DE

17.15 h Paint color of the future: Audi Neckarsulm sets course for Industry 5.0 with integrated HMI

*Joerg Wehrbach, Audi AG, DE;
Michael Bühl, Audi AG, DE;
Dominik Weggler, Gefasoft GmbH, DE*

17.45 h 👥 GET-TOGETHER

18.45 h 👥 NETWORKING NIGHT

PROGRAM

THURSDAY, NOVEMBER 4, 2021

8.30 h **Paint line for low rate luxury brands**
Costanzo Marchitti and Riccardo Nutini, Stellantis, IT

SHARED SOLUTIONS AREA: 2-TONE-PAINTING

9.00 h **Solutions to 2-tone Car Production: Sustainable Design Masking Solution**
Marco Balbo-Block, Tesa SE, DE

9.30 h  **SHARED SOLUTIONS AREA**

Various car body parts from OEM will be presented and discussed in connection with the topic "2-Tone-Painting".

10.45 h  **COFFEE & CONTACTS**

QUALITY-MANAGEMENT & SURFACE INSPECTION

11.15 h **Design of optical sensors for quality IIOT projects in coating applications**
Georg Nelke, OptiSense Gesellschaft für Optische Prozessmesstechnik mbH & Co. KG, DE

11.45 h **New sensor car body and surface inspection**
Thomas Kitzlinger, Micro-Epsilon Messtechnik GmbH & Co KG, DE

12.15 h **Digitizing the process not the finished product**
Dr. Meiko Hecker, AOM-Systems GmbH, DE

12.45 h **Raising the quality standard for all painted parts with automated inspection**
Michael Mai, Isra Vison AG, DE

13.15 h  **LUNCH**

NEW OEM-PROJECTS

14.30 h **AI in painting**
*Christophe Guesdon, Stellantis, FR;
Roberta Pecoraro, Stellantis, IT*

15.00 h **Brushingrobot Paintshop Sindelfingen**
Charly Hirth, Daimler AG, DE

15.30 h **Towards the use of 100% digital in sealing and Painting trajectories**
*Magnus Nordstroem, Stellantis, DE;
Fabrice Hermetz, Stellantis, FR*

16.00 h **Surface Verification System – Defect detection and classification over EC layer**
*Guillermo Carcer Martinez, Ford Valencia Paint Shop, ES;
Vicente Enrique López, AUTIS, ES*

16.30 h **Farewell and end of the conference**
Andrea Huber, Automotive Circle, DE



Subject to change (status as of September 28, 2021)

**PROGRAM UPDATES AT:
WWW.AUTOMOTIVE-CIRCLE.COM**

**REGISTER
NOW!**



Information

CONFERENCE FEES

Standard: 1.995,- €*

* plus 19% German VAT.

VENUE

Hotel Dolce Bad Nauheim
Elvis-Presley-Platz 1, DE-61231 Bad Nauheim
T +49 6032 303-0, F +49 6032 303-529
info@dolcebadnauheim.com
www.dolcebadnauheim.com

We kindly ask you to make your own hotel reservation at the conference hotel. Please refer to: "Automotive Circle".

CONFERENCE FEES INCLUDE

Fees include full conference participation, incl. conference materials and list of delegates, the authority for downloading the presentation on the internet, luncheons, catering and the participation in the evening networking events.

HYGIENIC CONCEPT

Please take note of our hygienic concept at www.automotive-circle.com.



REGISTRATION & TERMS AND CONDITIONS AT
WWW.AUTOMOTIVE-CIRCLE.COM



YOUR CONTACT

Maïke Jerutz

Senior Event Manager
Automotive Circle

T +49 511 9910-375

maïke.jerutz@vincentz.net



EXHIBITION

Visit the accompanying exhibition during the breaks and inform yourself about new products and services around car body painting!



KONICA MINOLTA

