



AUTOMOTIVE CIRCLE
CONFERENCE

CAR BODY PAINTING

INSIGHT @ HONDA 2021

AUGUST 25 - 26, 2021

VIRTUAL CONFERENCE

HONDA'S NEWEST PAINT SHOP
DRIVEN FOR ACURA QUALITY

PLUS!
Virtual Guided Tour
through the paint shop
of Honda Marysville,
Ohio

in association with

HONDA



WELCOME



Carbon neutrality, operational flexibility and product quality are all key to Honda's global success. And a \$210-million painting facility at the company's Marysville Auto Plant in Ohio is helping operations there succeed in producing quality vehicles, while also meeting Honda's green-factory initiatives to reduce the total life-cycle environmental impacts of its products and operations. Participants in the "Car Body Painting Insight @ Honda 2021" will see and hear from **August 25th-26th** how the innovative paint shop helps Honda Acura TLX and ILX.

To meet quality and green-factory goals, Honda introduced a new 4-coat, 2-bake (4C2B) painting application that incorporates 2K primer technology. This innovative application moves Honda closer to achieving its 2050 green-factory goals.

Additional technologies utilized in the new paint shop include dry-booth technology, automated topcoat inspection, individual anode zone control rectifiers for e-coat, and new Honda developed paint-bell technology.

Join us virtually and experience the Honda paint shop in Marysville.

We look forward to your participation!



Andrea Huber
Presidium
Automotive Circle

HONDA PROGRAM COMMITTEE:



Chris Hall
Manufacturing Strategy
and Standards Department,
North American Paint Group
Honda Development &
Manufacturing of America



Jason Vanatta
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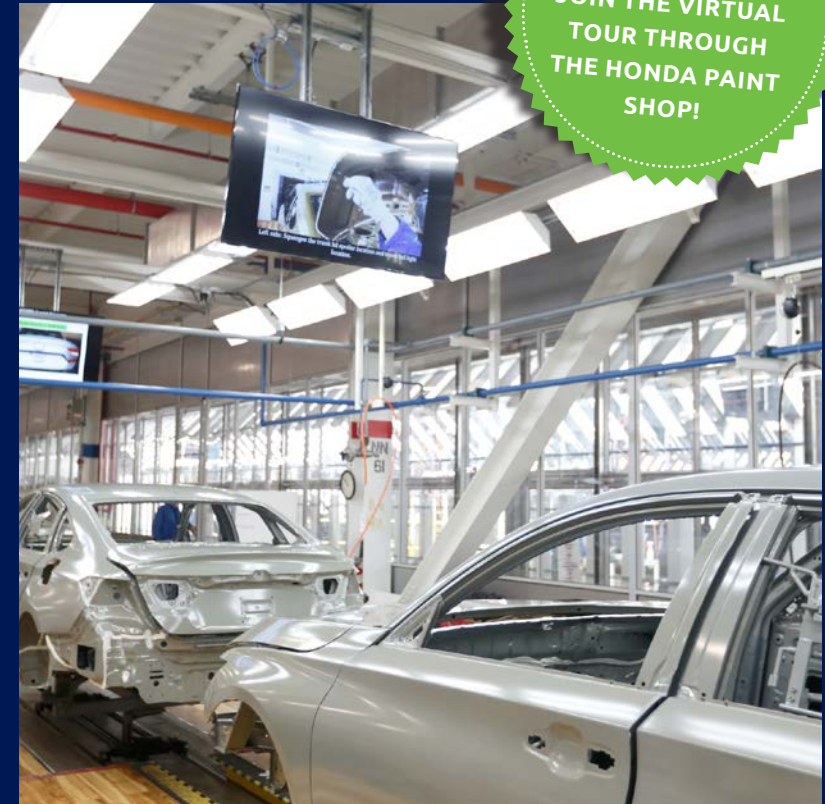
PLUS!

GUIDED TOUR THROUGH THE PAINT SHOP OF HONDA MARYSVILLE, OHIO

In collaboration with Honda Development & Manufacturing of America, LLC, AUTOMOTIVE CIRCLE invites you to its first virtual Guided Tour ever. The main achievements of the engineering and production teams include quality improvements, increases in production efficiency and significant contributions to the green factory. In detail, participants will gain insights into these **SIX STATIONS:**

- 1 E-COAT SYSTEM/E-COAT RECTIFIERS**
 - a 3-zone voltage control vs. 16 zones
 - Uniform application of E-coat film around the units, for exterior and interior
 - Model by model voltage settings based on RFID
- 2 SEALER 2-ROBOTS(A & B BOOTH)**
 - a Hem sealing robots to improve door sealer appearance and consistency to each unit
 - b 2 booth operations to complete all sealer application by robots allowing associates to focus on quality of squeegee and brush applications
- 3 AUTO INSPECTION**
 - a Inspection repeatability for detection and 100% of the unit reviewed on every unit produced
 - b Ability to adjust detection size based on customer feedback, internal and external
 - c Ability to program zoned areas per model - ranking levels for detection
 - d Data logging by VIN with defect location and pictures available for up to 30 days of production

- 4 DRY BOOTH - HONDA AND TKS JOINT PRESENTATION**
 - a Dry booth technology developed for 1.000 units per day production
 - b Green factory environmental improvements – reduced water usage and implemented the recycling of limestone material
- 5 PAINT BOOTH - HONDA ENGINEERING (EGA) PRESENTATION**
 - a Applicator/docking stations - applicators developed to apply both 1K and 2K material applications
 - b Development of the applicator for 2K primer
- 6 2K PRIMER**
 - a Material development and testing leading toward 4 coat 2 bake process
 - b Material achievement for quality appearance
 - c Reduction of primer ovens - energy reductions - green factory activity



**DON'T MISS
THE CHANCE TO
JOIN THE VIRTUAL
TOUR THROUGH
THE HONDA PAINT
SHOP!**

PROGRAM

WED/AUGUST 25, 2021

CEST (UTC+2)	EDT (UTC-4)
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15.00 H 9.00 AM Welcome and conference introduction
Andrea Huber, Automotive Circle, DE & Chris Hall, Honda, US

15.15 H 9.15 AM Keynote (Introduction to virtual Guided Tour)
tbd

GUIDED TOUR

15.45 H 9.45 AM Virtual Guided Tour

17.15 H 11.15 AM Q&A Guided Tour

17.40 H 11.40 AM BREAK
Meet the Speakers online / Virtual Networking 

**18.30 H 12.30 PM Mission: Zero – Roadmap to Decarbonization/
Focus Paintshop**
*Patricia Bernstein, Dr. Christian Ebert, Milos Vacek,
Audi México, MX*

19.00 H 01.00 PM Toyota Environmental Challenge 2050
Kevin Butt, Toyota Motor North America (TMNA), US

**19.30 H 01.30 PM Enhanced aesthetics, durability, and environmental
sustainability without a paint booth**
James McGuire, entrotech inc., US

20.00 H 02.00 PM BREAK
Meet the Speakers online / Virtual Networking 

**20.30 02.30 PM Leveraging Self-Healing Functionality in the Design
of High Performance Sustainable Coatings**
Gerald Wilson, Autonomic Materials Inc., US

**21.00 03.00 PM Understanding Coatings – Take the guess-work out
of coating performance**
Dr. Andy Mellor, Kruss Scientific Instruments, US

21.30 03.30 PM tbd
tbd

22.00 04.00 PM End of presentations, day 1
Meet the Speakers online / Virtual Networking 

WED/AUGUST 26, 2021

CEST (UTC+2)	EDT (UTC-4)
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15.00 H 9.00 AM Welcome
Andrea Huber, Automotive Circle, DE & Chris Hall, Honda, US

15.15 H 9.15 AM Presentation 7 (Honda technical opener)
tbd

15.45 H 9.45 AM Advances in Self-Stratifying Coatings
Prof. Mark Soucek, University of Akron, US

**16.15 H 10.15 AM 1K UV-A Automotive OEM/Refinish - Clear Coats
and Primers**
Michael Dvorchak, Dvorchak Enterprises LLC, US

16.55 H 10.45 AM BREAK
Meet the Speakers online / Virtual Networking 

17.15 H 11.15 AM Spray Application and Drying of Automotive Paint
Prof. Sanjeev Chandra, University of Toronto, CA

17.45 H 11.45 AM Use of Infrared energy to cure painted vehicles
Stefan Wollenweber, IWT Infrarot-Wärmetechnik GmbH, DE

18.15 H 12.15 PM BREAK
Meet the Speakers online / Virtual Networking 

**19.15 H 01.15 PM Time controlled polishing concepts for top coat lines
– flexible, efficient and energy saving using the
example of Toyota Paint Shop at TMMK, Kentucky**
Marco Petermüller, Visomax Coating GmbH, DE

19.45 H 01.45 PM Simulation of the Application of Cavity Wax
Dr. Stefan Hildenbrand, Pfänder KG, DE

20.15 H 02.15 PM Farewell and End of Conference
Andrea Huber, Automotive Circle, DE & Chris Hall, Honda, US



**REGISTER
NOW!**

REGISTRATION & PROGRAM UPDATES AT:

www.automotive-circle.com



PARTICIPATION FEE

895,00 USD

All prices are net prices.

All virtual events are subject
to VAT only in Germany.

YOUR CONTACT

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