Head of A320 Family Paintshop
Hamburg
Ralph MAURER

Airbus Innovation Days
Direct Printing Technology
Traditional decoration methods for complex designs
# Traditional decoration methods for complex designs

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<td>All freedoms of design</td>
<td>High material costs</td>
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<td>Dot / Hexagon Stencil Process</td>
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Traditional decoration methods for complex designs

New Technology vs traditional methods

Traditional methods become insufficient with airlines desire for artistic designs.

Development of a new technology to create complex livery paintings automatically and increase flexibility.
Direct Printing Technology

Printer head is similar to an inkjet-printer

CMYK color with optional white primer

Solvent ink instead of paint

3D-surface printing technology
Direct Printing Device

Direct printing device

Printing device is moved across the aircraft part by a gantry unit

Cartesian automation system

Line-by-line, from top to bottom
Launch Customer – Thomas Cook Airlines

Launch customer

Delivery to Thomas Cook Airlines in March 2016

1st industrial application on vertical tail plane
Launch Customer – Thomas Cook Airlines

1st Industrial application 3 kg Weight saving 500 ml Ink consumption
One step to Future Factory

Future Factory

Direct Printing
Technology meets the vision of a digital paint shop

Ink-Jet digital painting & printing without masking