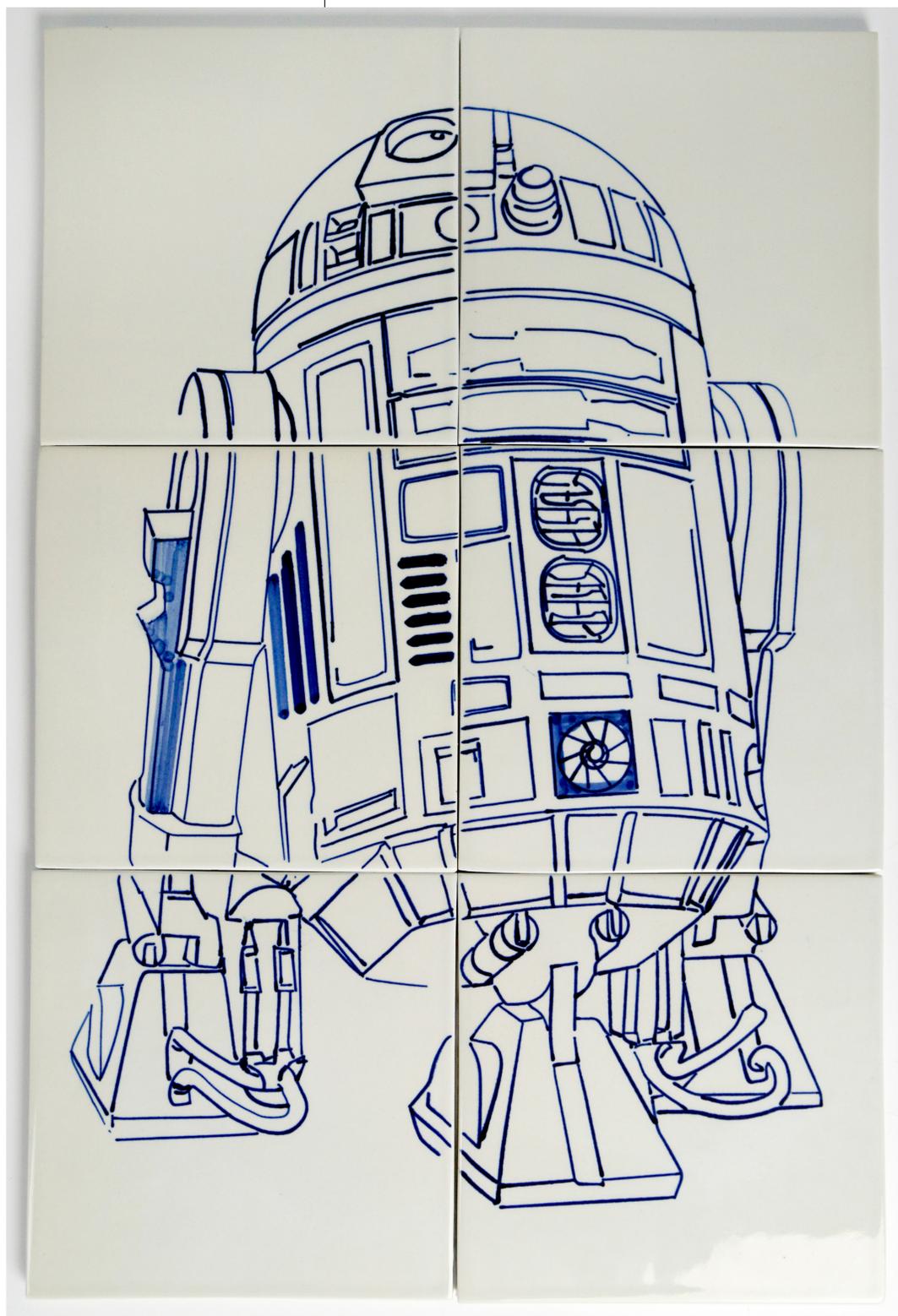
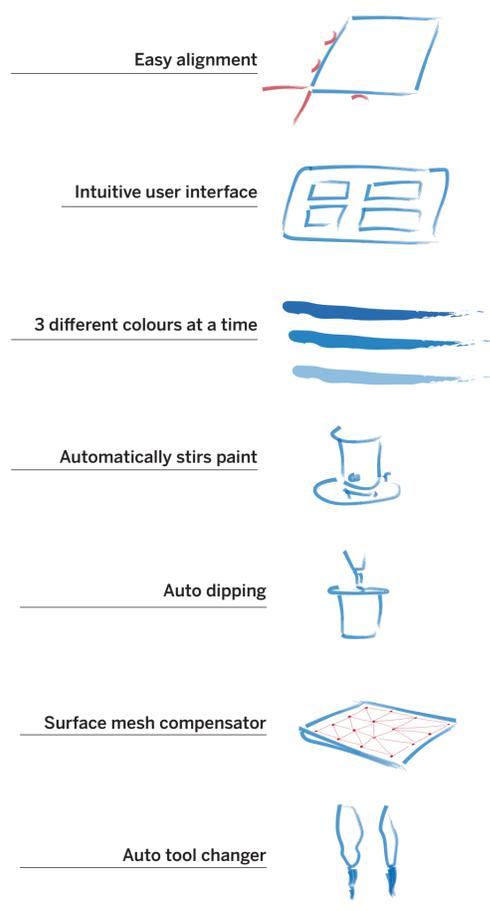


Digital Delft Blue

a new approach

A painting robot for Royal Delft that is able to paint tiles with a unique character. By using the same tools as the traditional craftsmanship of decorating delftware, the robot combines craft with digital manufacturing.



Value

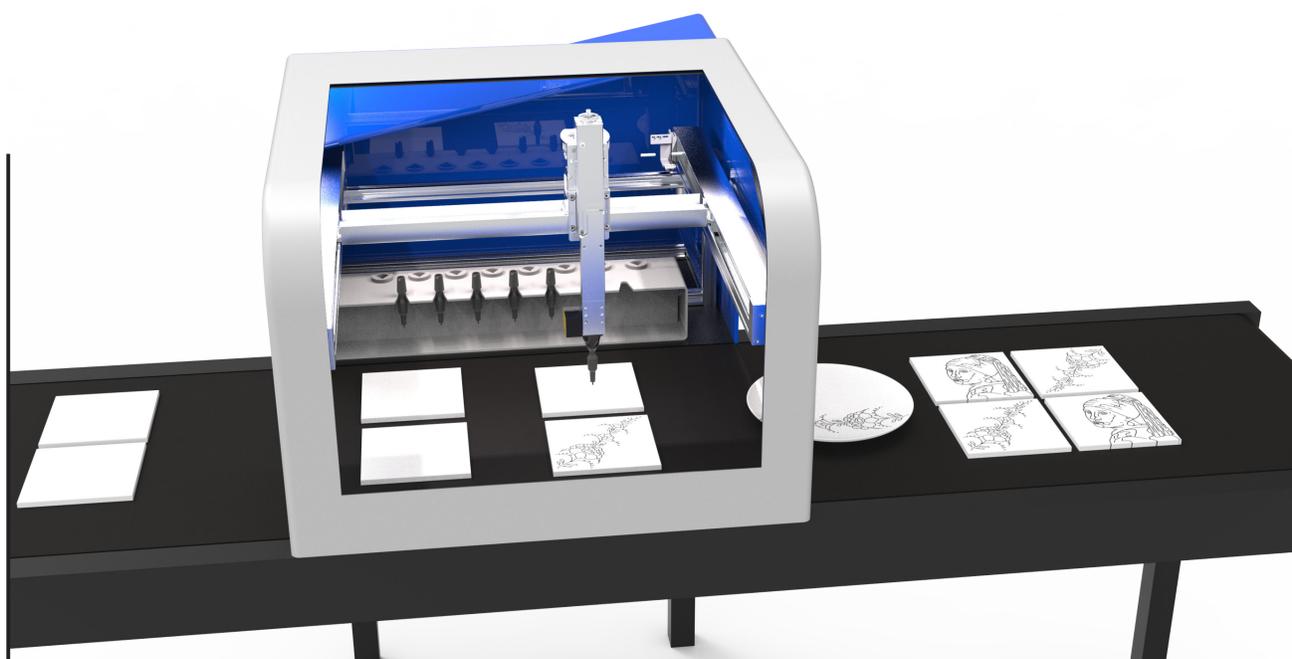
Robotic painting reduces lead times, facilitates easy customisation and can be offered for a lower price. This method could be provided as a more affordable alternative to hand-painted products, while it is closer to the real craftsmanship compared to transfer products.

Demonstrator

A demonstrator was built to implement and validate the technology of digitally painting delftware. The final showcase product, a tableau of R2D2 displays all the functions of this demonstrator.

Implementation

A final step for implementing the robot is made. This step transforms the demonstrator into a design proposal of an integrated painting robot for the Royal Delft production process. This robot can be loaded with multiple products and paint each autonomously with the use of a conveyor belt system.



M.B. de Haan
Digital Delft Blue, a new approach
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Integrated Product Design

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