

Willemse Technical Solutions: Successful Mass Customization with Engineering Material

Raise3D Case Study

<https://www.raise3d.com/case/willemse-technical-solutions-successful-mass-customization-with-engineering-material>

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**WILLEMSE
TECHNICAL
SOLUTIONS**
ENGINEERING | PROJECT MANAGEMENT
MANUFACTURING | SERVICE



Willemse Technical Solutions is a Netherlands-based engineering company specializing in water management (including water boards), public health (drinking water and sanitation projects), etc., Willemse relied on Raise3D Ecosystem containing six Raise3D's printers and RaiseCloud to enable cost-effective low-volume production with fast turnaround times.

WILLEMSE TECHNICAL SOLUTIONS



Industry: Engineering

Company business: Engineering project
implementation management

Printer used: Pro2 Plus printer x1; E2 printers x5

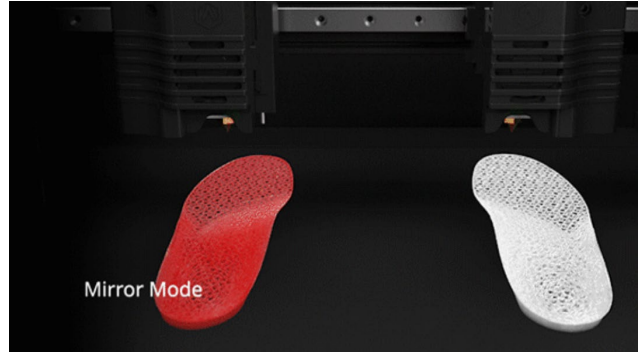
Usage: low-volume parts production

User: WILLEMSE TECHNICAL SOLUTIONS

Additional information: Willemse achieves efficient small-batch production of a batch of 600 custom products. Willemse uses Raise3D E2 to print TPU, and approximately 50-55% of the material has been saved.

Solution

Willemse purchased one Pro2 Plus and five E2 printers to build a small 3D printing farm achieving successful order deliver. The actual printing capacity of 5 E2 was equivalent to 10 printers in Willemse's case. E2 is a desktop 3D printer with IDEX. Duplication and mirror printing modes double productivity for within the same timeframe.



- E2 printer can perform duplication and mirror printing, which doubles productivity for within the same timeframe. The actual printing capacity of 5 E2 was equivalent to 10 printers.
- E2 printer is ideal for printing flexible materials, such as TPU, having shortest print path, and improved extruder motor and gears. Approximately 50-55% of the material has been saved.
- Pro2 Plus printer provides larger print size and print stability. Willemse can carry out some larger-scale prototyping and testing in PLA, PETG, and ASA.
- RaiseCloud helps Willemse establish a standardized production process:
 - Real-time online distribution of production tasks
 - One engineer controls and manages multiple 3D printers online
 - Sharing printing tasks to achieve global synchronous production
 - No huge learning curve, engineer friendly

Connect with Raise3D

Do you have a great 3D printing success story and think it would be cool to be featured on www.raise3d.com, we would love to learn more! Write to us at inquiry@raise3d.com

For more information about Raise3D printers and services, browse [our website](#), or [schedule a demo](#) with one of our 3D printing experts.