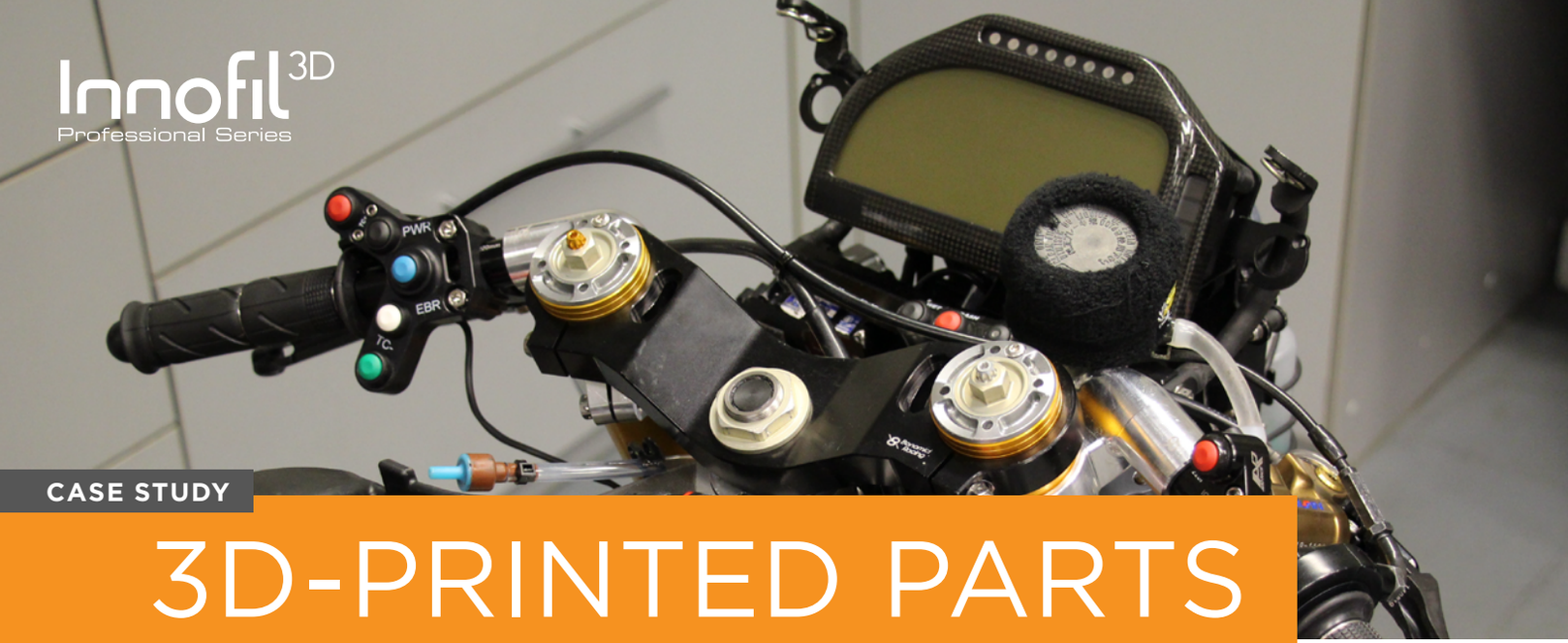
Innofil3D
Professional Series

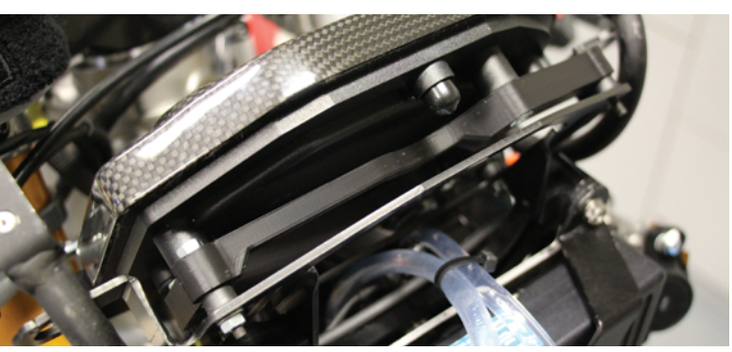


CASE STUDY

3D-PRINTED PARTS FOR SUPERBIKES

FEATURING | ABS FUSION+ FILAMENT

Made with Polyscope XILOY™ 3D



Ten Kate Racing from The Netherlands, a World Champion Superbike Racing team, uses FDM printing for manufacturing functional parts for their Honda racing motorbikes. Bastiaan Huisjes is the R&D engineer and responsible for the development of the race bikes: "Material performance is extremely important for us, especially when we want to use 3D-printed parts on our race bikes. We have to take into account rapid changing conditions in temperature, mechanical loads and vibrations. ABS FUSION+ fulfils our requirements. Another great advantage is that it is also easy to print. We are a racing team and I am not a full time 3D-printing operator."

"The spacer for the dashboard is a good example. Design and milling of this part would have taken us at least 3 weeks. Now the whole process is reduced to just one week. ABS FUSION+ enables us to make more and more 3D-printed parts for our racing bikes. We also print e.g. cable junction box housings, cable retainer brackets."

ADVANTAGES FOR TEN KATE RACING

- Reduction in cost and reduction in time to manufacture
- Easy to use
- Increased flexibility in parts design
- 100% in-house process from design to manufacture

TECHNICAL SPECIFICATIONS

Printer	Mass Portal XD020
Filament	Innofil3D ABS FUSION+
Properties	https://www.innofil3d.com/playtime-is-over/

GUIDELINE FOR PRINT SETTINGS*

Nozzle temperature	250 °C
Bed temperature	110 °C
Fan Speed	0
Bed adhesion	No fluids or tape

Innofil3D Professional Series | ABS Fusion+

EASY. VERSATILE. FUNCTIONAL.

Visit innofil3d.com for more information.