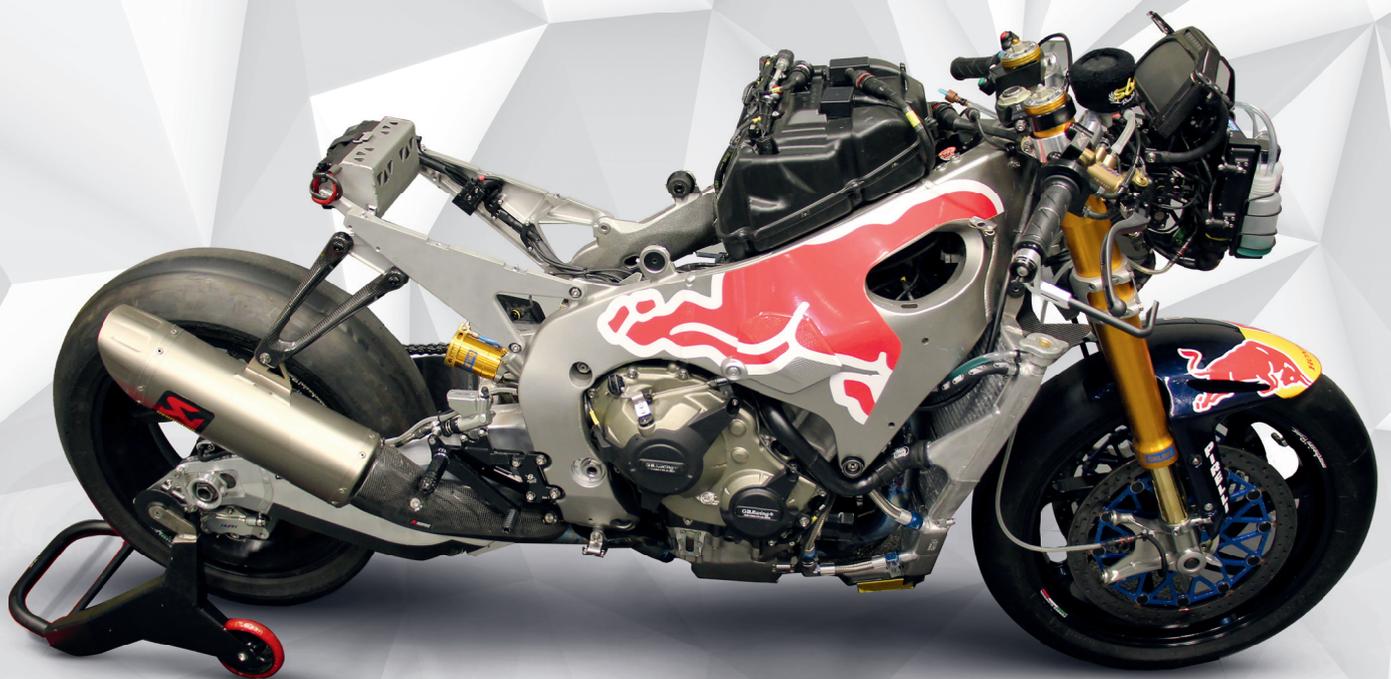


Case Study Ultrafuse ABS Fusion⁺

3D-Printed Parts for Superbikes



“

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. Ultrafuse 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.

Ten Kate Racing featuring ABS Fusion+

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. Ultrafuse 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.”

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 Specification

Printer	Mass Portal XD020
Filament	Ultrafuse ABS Fusion+
Properties	https://www.ultrafusefff.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



The printed parts: dash board spacer and junction box housing. Printed in contrasting colours for clear distinction.



The spacer as it is located in the dashboard.

BASF Ultrafuse ABS+ Fusion
Easy. Versatile. Functional.



Visit [UltrafuseFFF.com](https://www.ultrafusefff.com) to learn more.