

NEWSLETTER



TOPICS:

>01

LATEST NEWS

Current topics as well as past and future events.

>02

NEW ARRIVALS IN THE GARAGE

Brief presentation of the components that arrived in the garage during the last two months.

UP-TO-DATE WITH RACETECH

Dear sponsors, friends and supporters,

as you can read on the following pages, we are registered for the three events in summer this year which we wanted to take part in. Now we hope that those competitions may go as planned. Depending on the situation in summer, the event hosts already announced various strategies to ensure that the events can safely take place.

Normally, we'd send our rollout invitations to you in the coming weeks. But at the moment, we are not able to tell how the regulations will be in the upcoming months, so we started to plan different kinds of presentations aiming at a date in May and will keep you informed how it will take place.

Have fun reading our newsletter.

Sincerely Racetech Racing Team

> 01 LATEST NEWS

EVENTS 2021

On 5th February 2021 we took part in the annual event registration quizzes of the European competitions. Due to our position on the FS Electric world ranking list and our rank at the FS-Online, we were already pre-registered for two of the three events we aimed at competing at. Partly, we still had to answer questions about the rules, handbooks and technical problems to gain a good position at the technical inspection and to choose our car number. During the quiz of the FS Germany technical problems occurred and so it had to be taken again one week later. We are very happy to announce that we'll participate at the FSN in Assen, the FSA in Spielberg and the FSG in Hockenheim in summer. We hope that it will be possible to hold the events under safe circumstances this year. We will keep you informed!

Author: Lara Windler



Onlinerulequiz - possible with online communication services



CALENDER FOR NEW LIPO-SPONSORSHIPS

The accumulator is the centrepiece of our racing car. It consists of 284 lithium polymer cells (Li-Po), which are assorted in so-called stacks in order to provide the energy for our car. 142 cells are interconnected as a series circuit and 2 as parallel cells.

Become a sponsor for one or more of those accumulator cells of the RT14 now and get a Racetechnik-calendar with sceneries in Freiberg for 2021 for free!

By offering this LiPo partnership we want to give you the opportunity to be a part of the project with a small effort of 30 € per cell and support us in building our first all-wheel-drive race car.

Every LiPo sponsor's name will be on the accumulator container to show our gratefulness.

For more information, visit <https://racetechnik-racingteam.de/en/lipo-sponsorship-en/>

Our LiPo-Sponsorship-Offer

Author: Lara Windler

> 01 LATEST NEWS



TUBAF und Racetech - RT13 at the FSG

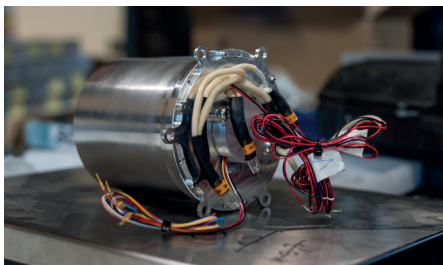
TUBAF FOUNDATION

We want to thank the foundation of the TU Bergakademie Freiberg for this year's financial support. This is the second time in a row that we work together. The received fundings will be mainly used for the driverless system. We look forward to further cooperations.

Author: Clarissa Werner

NEW ARRIVALS IN THE GARAGE

Thank you to all our sponsors who make these components possible for us!



The first two motors for our all-wheel-drive concept arrived during the last weeks at our workshop. Being installed into the 3D-printed cooling structure, the assembly is now complete for tests on our powertrain testing bench. The first startup was operated at the end of February. Before the motors are installed into the car, detailed tests will be held to determine the performance and validate the simulations.

We want to thank our manufacturer Krebs & Aulich. Furthermore, we're grateful for the support by Jakob Jung.

Author: Max Friedemann

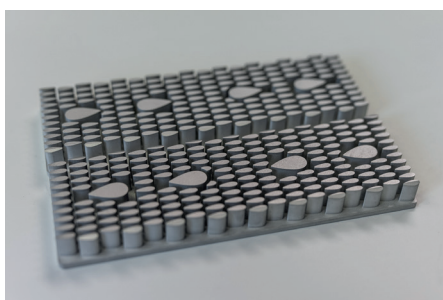
MOTORS (WITHOUT COOLING STRUCTURE)

The test bench motor housing forms the connection between motor and testing bench. The additive manufacturing enables besides the force accommodation a validation of the motor cooling structure being used for the RT14. We'd like to thank AM Metals and MFB Service und Vertriebs GmbH & Co. KG for the fast manufacturing process.

Author: Simon Karschner



TEST BENCH MOTOR HOUSING



This season we decided to use a separate cooling structure for our inverter to discharge the occurring waste heat. They will be shrink-wrapped in our inverter housing. We'd like to thank Fertigung und Entwicklung Eßbach for the manufacturing of this part.

Author: Simon Karschner

COOLING STRUCTURE FOR THE INVERTER

We use inlays to induce the high forces of the suspension points into the chassis. Those are local reinforcements in the monocoque. Although using big adhesive surfaces we still want a light component so we manufacture them from magnesium. Thank you to Präzisionsfertigung Uhlig for the manufacturing of this part and giving us the possibility to optimal choose our suspension points.

Author: Simon Karschner



INLAYS

THANK YOU FOR YOUR SUPPORT!

OUR SUPPORTERS



AM METALS



THANK YOU FOR YOUR SUPPORT!



RACETECH RACING TEAM



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