

# Congratulations to the University of Applied Sciences Saarbrücken

FOR PARTICIPATING IN FORMULA STUDENT 2008

**This is our second season, our second car and our first time in Silverstone.**

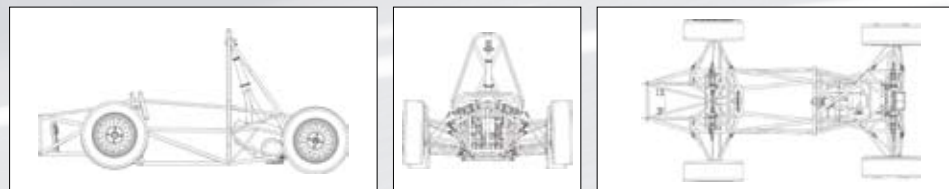
After the Formula Student Germany event in Hockenheim 2007 thirty Students from almost every course of study at the University of Applied Sciences Saarbrücken decided to push the Saar Racing Team to the next level. The nights were short, the days hard. Concepts were created, discussed and rejected. But our partners helped motivating us to keep on working.

The SRT optimised every part of the old SRC01. Just Optimised? We constructed every part of the car new. We tested our new ideas in the old car from August to February. We made two tours on the Nürnberg Ring Nordschleife. As a result of all our hard work testing and improving, the SRC02 is 100kg lighter and faster than our previous model.

Last year we built our car based on the rule: keep it simple, make it safe. No one should be afraid to drive this car. Almost every team member has driven it. This year we changed our aim to: more innovative, lighter, faster. With 76hp and 220kg we are much faster than last year. One of our greatest highlights this year is our Team, our Partners and Supporters: they're just unbelievable.



**First time**  
at FS UK



<b>Length/width/height/wheelbase</b>	2830.16mm/1427.57mm 1148.92mm/1600mm
<b>Track (front/rear)</b>	1250mm/1150mm
<b>Weight including 68kg driver (front/rear)</b>	144kg/160kg
<b>Suspension (front/rear)</b>	Double unequal length A-Arm. Push rod actuated horizontally oriented spring and damper.
<b>Tyres (front/rear)</b>	Goodyear D2692 20.0x7.0-13 R075
<b>Wheels (front/rear)</b>	7 inch wide, 2 pc Al Rim, 18mm offset
<b>Brakes (front/rear)</b>	Steel, hub mounted, 190mm dia/ 160mm dia. 3.5mm thickness.
<b>Frame type</b>	Floating, laser cut Iron, hub mounted, 220mm dia. tubular space frame, 25CrMo4
<b>Engine</b>	2007 Aprilia SXV 550
<b>Bore/stroke/cylinders/cc</b>	80mm bore/55mm stroke/2/553cc
<b>Fuel</b>	100 RON
<b>Fuel system</b>	Student des/built, fuel injection, half sequential
<b>Max power/max torque</b>	60hp at 11,500/45Nm Q 10000
<b>Transmission/differential/final drive</b>	Chain drive. Chain #520 – 5/8" x 1/4" x 10.16mm/Drexler Motorsport Formula Student Limited Slip Differential, adjustable, 6 setups by using different flank angles/3.692. Adjustable from 2.875 to 3.692 by sprocket changes