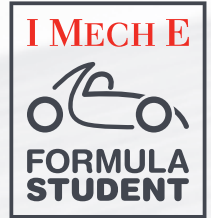


FORMULA STUDENT

Institution of Mechanical Engineers



Congratulations to UAS Graz (FH Joanneum)

FOR PARTICIPATING IN FORMULA STUDENT 2008

Joanneum Racing Graz team took part in the static competitions at Formula Student for the first time in 2003 and has built a new car every year since 2004.

Each year a new team with new innovative ideas takes over. The basic team consists of 30 Vehicle Technology students from the University of Applied Sciences, Graz. They are responsible for the technical development and the car's design. There are also students from the department of Information Design, who are responsible for the corporate identity, and Industrial Design students, who design the car's body.

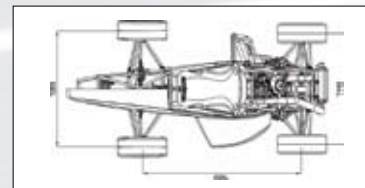
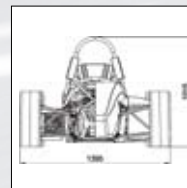
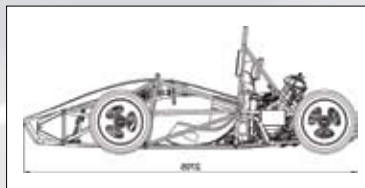
The team has been successful from their first competition, with achievements including:

- Winner of the marketing event in 2003
- Overall Winner in the 2006 event in Italy.
- Third place overall at FS Germany in 2007
- Winner of the skidpan event in the UK and Italy in 2006, and in the UK and Detroit events in 2007.

Due to these outstanding results at previous events, there can only be one aim for the coming competitions: to finish in the top three places.



3rd
Overall in
Class 1



Length/width/height/wheelbase	2705mm/1395mm/1015mm/1650mm
Track (front/rear)	1200mm/1140mm
Weight including 68kg driver (front/rear)	112kg/136kg (full wet car weight of 180kg)
Suspension (front/rear)	Unequal length A-Arms. Push rod actuated/pull rod actuated Sachs RD36 dampers with H&R Springs
Tyres (front/rear)	6.2 - 20.0 - 13 AVON A45
Wheels (front/rear)	6x13 carbon wheels, 12.3 mm pos. Offset
Brakes (front/rear)	Student designed, laser cut and ground from X20Cr13-M501 steel, hub mounted, 220mm dia. Friction dia. 167 - 220mm/210mm dia. Friction dia. 164 - 210mm
Frame type	Tubular space frame, E235, E355, CFC tubes with aluminium inserts
Engine	BRP Rotax Type 449/used in Can-Am DS 450 ATV (quad)
Bore/stroke/cylinders/cc	97 x 60.8 mm/1 cylinder/449.3 cc
Fuel	E-85
Fuel system	Student designed/built, fuel injection, sequential using MoTeC M800
Max power/max torque	8,500rpm/8,000rpm
Transmission/differential/final drive	Chain #520/Clutch pack limited slip/2.92