FORMULA STUDENT
Institution of Mechanical Engineers

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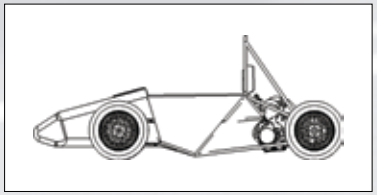
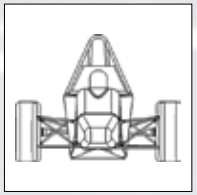
Congratulations to **Ryerson University**

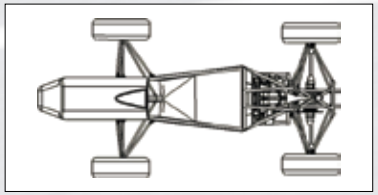
FOR PARTICIPATING IN **FORMULA STUDENT 2008**

The RF-08 is the sixth competition car and the third entry at Formula Student. Located in the heart of downtown Toronto, Ryerson University is home to five faculties with over 25,000 undergraduate and graduate students; including 1,600 master's and PhD students. Our team consists of 17 undergraduate students from the Faculty of Engineering, Architecture and Science, Faculty of Communication and Design, and Ted Rogers School of Management.

Having access to school equipment the team was able to manufacture most of the car in house, while relying on outside sponsors for materials and complicated manufacturing processes only feasible with specialized machines. The RF-08 represents the lightest and most powerful entry to date.







Length/width/height/wheelbase
120 inches/57 inches/43 inches/69 inches

Track (front/rear)
50 inches/47 inches

Weight including 68kg driver (front/rear)
270lbs/330lbs

Suspension (front/rear)
Double unequal length A-Arm. Pull rod actuated perpendicular spring and damper/Push rod actuated verticaly orientated spring & damper

Tyres (front/rear)
20x6.0–13 R25A Hoosier

Wheels (front/rear)
6.5 inch wide, Kodiak 3 pc. forged Al , 3.5 inch neg. offset

Brakes (front/rear)
Fixed, Cast Iron, hub mounted, 226 mm dia/210mm dia. Cross-drilled, scalloped

Frame type
Front and rear tubular space frame reinforced with Al and Carbon honeycomb panels, 4130 steel round tubing & 2x2 twill 5.7 oz Carbon/Nomex panels

Engine
2007 Yamaha YZF-R6

Bore/stroke/cylinders/cc
66.5mm bore/44.5mm stroke/ 4 cylinder/600cc

Fuel
94 Octane

Fuel system
Performance Electronics/ ECU fuel injected

Max power/max torque
11,000rpm/8,000rpm

Transmission/differential/final drive
Chain Drive, 520/vari-lock Salisbury, 25 lb-ft preload, 1.4 bias ratio/4.27