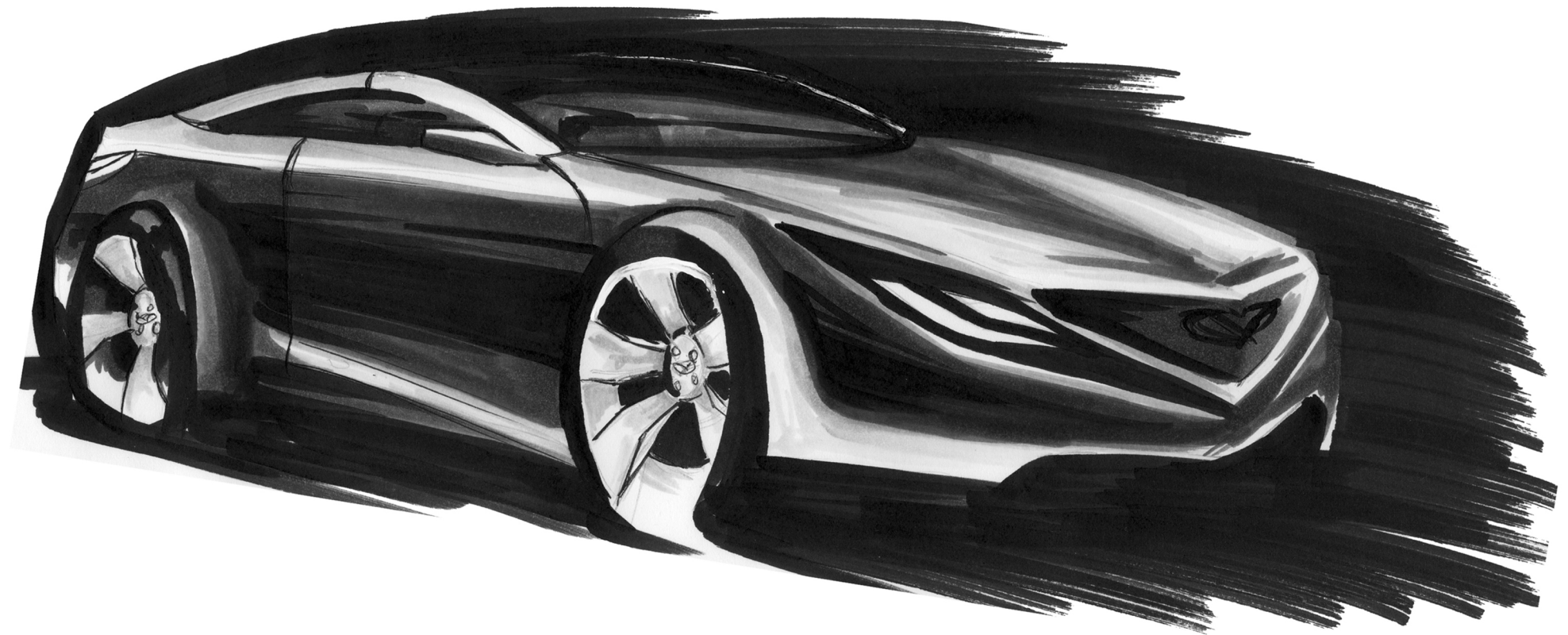




mazda



SKYACTIV-G

A next-generation highly-efficient direct-injection gasoline engine that achieves the world's highest gasoline engine compression ratio of 14.0:1 with no abnormal combustion (knocking). The world's first gasoline engine for mass production vehicles to achieve a high compression ratio of 14.0:1. Significantly improved engine efficiency thanks to the high compression combustion, resulting in 15 percent increases in fuel efficiency and torque. Improved everyday driving thanks to increased torque at low- to mid-engine speeds. A 4-2-1 exhaust system, cavity pistons, multihole injectors and other innovations enable the high compression ratio.

