

# Bloomberg Businessweek

## The Opposed-Piston Engine

EcoMotors says its design packs more power, using less gas than regular engines

### Dual Pistons

Two pistons in each cylinder compress air and fuel, delivering more power than a conventional engine would at the same revolutions per minute.

### Combustion Chamber

In conventional engines, most heat dissipates. EcoMotors' design retains heat in the chamber and can send excess hot air to a turbocharger for added horsepower.

### Modular Design

The engine fits four pistons in two cylinders, getting the power of a small four-cylinder engine at one-third the weight and with 19 percent better fuel economy. The design is also modular: Bolt on a second unit, and the combined engine can get 50 percent better mileage than a comparable V-6.

### Crankshaft

A simpler crankshaft design means fewer moving parts; that cuts down on friction and further improves fuel efficiency.

