



Advanced EFI Technology for small engines



- Low-cost engine controls
- Significantly reduces emissions
- Fuel Economy Improvements
- Better Acceleration
- Engines start easier
- Requires NO engine Modifications
- 100% bolt compatible with carbureted engine designs

You make the engines, We'll make them cleaner

Technical Specifications

The ElectroJet product is a highly integrated throttle body design that incorporates the ECU, throttle body, and sensors in one small package. This product works "smarter" to reduce cost and provide tangible customer benefits including fuel economy improvements, better acceleration, better starting, and more reliable engine operation. OEM's can be assured of emissions compliance for current and future global regulations while providing marketable benefits to the end users.

ElectroJet has designed a standard electronics platform that can be combined with specific mechanical packaging and custom software to fit any customer design. These systems match carburetor geometry while offering all of the benefits of electronic controls. This design methodology ensures that the ElectroJet product will fit directly into any existing carbureted engine design.

Typical Applications

The ElectroJet technology is best suited for engines of less than three cylinders. The technology works on both four-stroke and two-stroke engines. Typical applications include single cylinder engines and two-cylinder engines in the transportation, utility, and recreational industries.

Features

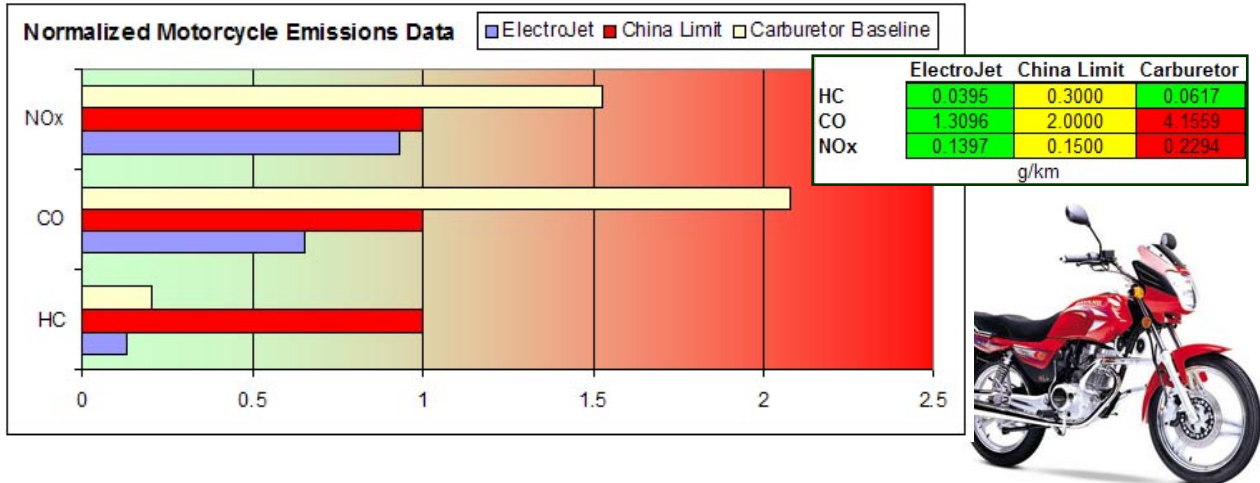
- ✓ Port fuel injection & ignition control
- ✓ Fuel Pump Control
- ✓ Engine Kill switch disable
- ✓ Oxygen Sensor feedback
- ✓ Engine temperature input
- ✓ CAN based diagnostics

CPU specification	16 bit processor
PCB Size	2" by 2.5"
Operating Voltage	12V to 27V DC
Power Consumption	20W
Operating Temperature	(-40 to 125) degrees C
Fuel System	Automotive port injection
Fuel Pressure	35-50psi
Ignition System	Inductive Coil
Harness Connection	wire pigtail, 9 pins



Emissions Results

The following emissions data has been analyzed according to the Chinese emissions regulations (Euro III standards) and the Chinese driving cycle.



While improving emissions in this application ElectroJet provided the following tangible customer benefits;

- 12% improvement in fuel economy
- 5% improvement in hp
- Better Acceleration
- Very low incremental cost over carburetion



ElectroJet Calibration Tool (EPIC)

In addition to designing the hardware, packaging, and software for the ElectroJet product, the company has designed a low-cost real-time calibration tool to integrate directly with production hardware. This tool allows for real-time data acquisition as well as real-time calibration of the ElectroJet products.

More information about this calibration tool will be released in the fall of 2008 with an SETC white paper.

What can ElectroJet do for you?

Clean Emissions
Provided by



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