China Electronic Fuel Injection (EFI) System Report, 2015-2018

Description: In 2002, China's gasoline engines saw an end of the application of carburetor and ushered in an era of electronic fuel injection. Starting from July 1, 2008, the implementation of National III emission standards prompted diesel engines to use electronic control. Thus, the vehicles in China have fully achieved electronic fuel injection control. On January 1, 2015, China began to comprehensively implement National IV emission standard, which has once again upgraded engine fuel electronic control.

In the field of gasoline electronic injection, the market focuses on gasoline direct injection (GDi) and hybrid injection.

At present, quite a few models of Beijing Benz, Shanghai Volkswagen, Shanghai GM, and FAW-Volkswagen are equipped with GDi, with the market size for 2015 of an estimated 4.03 million sets, up 19.23% from a year earlier. It is estimated that in 2018 the demand will reach 6.81 million sets.

Hybrid injection can make up for the weakness of GDi and was first applied in Highlander, Camry, and Audi Q5 in China. But hybrid injection needs two injection systems equipped simultaneously. In addition, fuel injection conversion need to change control system strategy, hence the need for high costs. In future, hybrid injection is expected to be widely used in high-grade vehicles with low sensitivity to price.

In the field of diesel electronic injection, the market is mainly targeted at high pressure common rail and passenger vehicle dieselization in 2015.

With the implementation of the national IV emission standard, as the most suitable technology roadmap, common rail system for diesel engines witnessed rapid development. In May and June 2014, the mainstream Chinese heavy and light-duty truck manufacturers signed letters of commitment, vowing not to sell models that fail to meet emission standards, which, to a great extent, helped improve assembly rate of high pressure common rail system.

With excellent performance in energy conservation and emission reduction, diesel-powered models have been widely recognized in the global automobile market. Made in China 2025, released by China in May 2015, said that the Government will press ahead with the application of diesel engines in passenger vehicles. At present, some automakers have kicked off diesel vehicle project. In the future, with the development of diesel-powered passenger vehicles, the proportion of high pressure common rail system equipped in passenger vehicles is expected to rise.

In terms of competitive landscape, whether gasoline electronic injection or diesel electronic injection is dominated by foreign players. Gasoline electronic injection suppliers include United Automotive Electronic Systems Co., Magneti Marelli, Valeo, and Donguan Keihin, etc. Diesel electronic injection market is monopolized by Bosch, Denso, and Delphi. And other local companies are only in the process of small-batch production or R&D stages.

WeiFu High-tech, the most important fuel injection system supplier in China, mainly produces fuel injection systems for diesel engines, including injection pumps, injection nozzles, delivery valves, plunger & barrel assy, and common rails. In the first half of 2015, affected by the downturn in heavy-duty trucks and the conversion of national IV standards, WeiFu High-tech experienced a 24.46% fall in fuel injection business. Meanwhile, as the demand for high-pressure common rail increased, the rough machining business of common rail pumps and fuel injectors supplied to Bosch Automotive Diesel Systems Co. grew significantly. In 2015, WeiFu High-tech began to construct workshops of Weifu Industrial Park Phase II. When the first and second phases of the project are completed, the company will achieve a capacity of 810,000 sets/a high pressure common rail pumps and 100,000 sets/a diesel engine WAP2 system.

China Electronic Fuel Injection (EFI) System Report, 2015-2018 by ResearchInChina mainly focuses on the following:

Chinese policies about automotive EFI system, status quo and forecast of market demand, and import & export; Status quo and forecast of China gasoline EFI system market size and structure, and supply relationship of
key enterprises;
China diesel EFI system market size and structure, technology roadmap, and the development of major enterprises;
Main EFI products, operation, development, etc of foreign companies;
Main EFI products, operation, development, etc of Chinese companies.

Contents:
1. Industry Overview
   1.1 Definition and Classification
      1.1.1 Definition
      1.1.2 Classification
      1.2 Policy Environment

2. Overview of the Chinese EFI Market
   2.1 Market Demand
   2.2 Import and Export
      2.2.1 Import
      2.2.2 Export
   2.3 Major Enterprises

3. Gasoline EFI
   3.1 Market Size
   3.2 Market Structure
   3.3 Supporting

4. Diesel High Pressure Common Rail Market
   4.1 Brief Introduction
      4.1.1 Emission Standard
      4.1.2 Development History
   4.2 Technology Roadmap
      4.2.1 National IV Mainstream Technology Roadmap
      4.2.2 Technology Roadmaps of Leading Enterprises
   4.3 Market Status
      4.3.1 Assembly Rate
      4.3.2 Product Price
      4.3.3 Market Size
      4.3.4 Market Structure
   4.4 Competitive Landscape
      4.4.1 Layout of Three Large Multinational Corporations in China
      4.4.2 Development of Chinese Enterprises
   4.5 Major Component Suppliers

5. Foreign Companies
   5.1 Bosch
      5.1.1 Profile
      5.1.2 Operation
      5.1.3 Fuel Injection System
      5.1.4 Supporting of Fuel Injection System
      5.1.5 Development in China
      5.1.6 Bosch Automotive Diesel Systems Co., Ltd.
      5.1.7 United Automotive Electronic Systems Co., Ltd.
   5.2 Delphi
      5.2.1 Profile
      5.2.2 Operation
      5.2.3 Fuel Injection System
      5.2.4 Development in China
      5.2.5 Fuel Injection System Production Base
   5.3 Denso
      5.3.1 Profile
      5.3.2 Operation
      5.3.3 Fuel Injection System
      5.3.4 Development in China
      5.3.5 Shanghai Denso Fuel Injection Co., Ltd.
Import Volume and Value of EFI Devices in China, 2010-2015
Export Volume and Value of China-made EFI Devices, 2010-2015
Key Export Destinations of China-made EFI Devices, 2014-2015
Leading Suppliers of Automotive EFI System in China and Their Customers
China Gasoline Electronic Injection OEM Market Size, 2009-2018E
China Gasoline Injection Market Structure, 2012-2018E
China's GDi OEM Market Size, 2012-2018E
Supply Relationship of Major Chinese Gasoline Electronic Injection Companies
Development Course of Emission Standards for Vehicles in EU and China
Emission Limit of National III Emission
Emission Limit of National IV Emission
Emission Limit of National V Emission
Development Course of Diesel Engine Emission Upgrading Technologies
Technology Roadmaps of European and American Medium- and Heavy-duty Diesel Engine Meeting EU IV/V Emission and EPA2007-2010 Emission
Measures for China-made Engines Reaching International Standards
Chinese Manufacturers' Selection of Medium- and Heavy-duty Engine Fuel Injection System Types during the Period of National IV Emission Standards
Assembly Rate of High-pressure Common Rail in China by Vehicle Type, 2012-2018E
Average Unit Price of Diesel High-pressure Common Rail System in China by Type, 2012-2018E
China Diesel High-pressure Common-rail Market Size, 2012-2018E
Diesel Electronic Injection Market Shares of Major Enterprises in China
Supply Relationship of Fuel Injection System of Major Enterprises in China
Supply Relationship between ECU Producers and Auto Makers in China
Supply Relationship between Sensor Manufacturers and Auto Makers in China
Revenue of Bosch, 2010-2014
Revenue Structure of Bosch, 2014
Bosch's Main Fuel Injection System Products
Bosch's Production Bases in Japan
Bosch's Main Fuel Injection System-supported Models in China and ASEAN
Bosch's Main Fuel Injection System-supported Models in Europe and America
Bosch's Main Fuel Injection System-supported Models in Japan
Bosch's Revenue in China, 2012-2014
Bosch's Economical Common Rail System CRS1-16
Equity Structure of Bosch Automotive Diesel Systems Co.
Main Supported Models of Bosch Automotive Diesel Systems Co.
Production Bases and R&D Center of United Automotive Electronic Systems Co.
Main Supported Models of United Automotive Electronic Systems Co.
Recalled Models affected by Hidden Danger of United Automotive Electronic Systems 's Fuel Pumps
Delphi's Order Value, 2010-2015
Revenue and Profit of Delphi, 2012-2015
Revenue Breakdown of Delphi by Region, 2010-2014
Revenue Breakdown of Delphi by Segment, 2010-2014
Delphi's Top 10 Customers, 2014
Delphi's Main Fuel Injection System-supported Models in China and ASEAN
Delphi's Main Fuel Injection System-supported Models in Europe and America
Delphi's Revenue in China, 2011-2014
Delphi's Fuel Injection System Production Bases in China
Sales and Profits of Denso, FY2011-FY2015
Revenue Breakdown of Denso by Region, FY2011-FY2015
Bosch's Main Fuel Injection System-supported Models in ASEAN
Bosch's Main Fuel Injection System-supported Models in Europe and America
Bosch's Main Fuel Injection System-supported Models in Japan
Denso's Major Production Bases in Japan
Distribution of Denso's Enterprises in China
Valeo's Order Value and Sales, 2013-2015
Valeo's Revenue Structure, 2013-2015
Valeo's Main Fuel Injection System-supported Models
Revenue and Net Income of Continental, 2010-2015H1
Revenue Structure of Continental by Segment, 2010-2015H1
Revenue Structure of Continental by Region, 2010-2014
Gross Margin of Continental, 2010-2015H1
Key Fuel Injection System Products of Continental
Continental's Main Fuel Injection System-supported Models in ASEAN
Continental's Main Fuel Injection System-supported Models in Europe and America
Distribution of Continental's Business in China
Revenue and Profits of Keihin, FY2011-FY2014
Keihin's Main Fuel Injection System-supported Models in China and ASEAN
Keihin's Main Fuel Injection System-supported Models in Europe and America
Keihin's Main Fuel Injection System-supported Models in Japan
Distribution of Keihin's Enterprises in China
Dongguan Keihin's Main Supported Models
Magneti Marelli's Main Fuel Injection System-supported Models in China and ASEAN
Magneti Marelli's Main Fuel Injection System-supported Models in Europe and America
Distribution of Magneti Marelli's Enterprises in China
Hirschvogel's Main Fuel Injection System-supported Models in Europe and America
Revenue of Doowon Precision Industry Co., 2012-2014
Business Indicators of Aisan Industry, FY2010-FY2015
Revenue of Aisan Industry by Region, FY2014-FY2015
Revenue of Aisan Industry by Segment, FY2014-FY2015
Major Customers of Aisan Industry, FY2013-FY2015
Aisan Industry's Production Bases in Japan
Aisan Industry's Production Bases in China
Revenue and YoY Growth of WeiFu High-tech, 2010-2015
Net Income and YoY Growth of WeiFu High-tech, 2010-2015
Revenue Structure of WeiFu High-tech by Business, 2009-2015
Revenue Structure of WeiFu High-tech by Region, 2009-2015
Gross Margin of WeiFu High-tech, 2011-2015
R&D Costs and % of Total Revenue of WeiFu High-tech, 2012-2014
Production and Sales of WeiFu High-tech by Product, 2012-2014
Fuel Injection System Revenue and Gross Margin of WeiFu High-tech, 2010-2015
Major Shareholding Subsidiaries of WeiFu High-tech
Affiliates of WeiFu High-tech
Revenue and Net Income of WeiFu High-tech's Major Subsidiaries, 2013-2014
Revenue and Net Income of WeiFu High-tech, 2015-2018E
Major Products of Xinfeng Enterprise
Growth Rate of China's Demand for Vehicle-use Electronic Injection System, 2013-2018E
Growth Rate of China GDi OEM Market Size, 2013-2018E
Growth Rate of China Diesel Common-rail System Market Size, 2013-2018E

Ordering:  
Order Online - http://www.researchandmarkets.com/reports/3449145/ 
Order by Fax - using the form below 
Order by Post - print the order form below and send to

Research and Markets,  
Guinness Centre,  
Taylors Lane,  
Dublin 8,  
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit
http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>China Electronic Fuel Injection (EFI) System Report, 2015-2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Web Address:</td>
<td><a href="http://www.researchandmarkets.com/reports/3449145/">http://www.researchandmarkets.com/reports/3449145/</a></td>
</tr>
<tr>
<td>Office Code:</td>
<td>SCBRBGLU</td>
</tr>
</tbody>
</table>

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th></th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User</td>
<td>USD 2550</td>
</tr>
<tr>
<td>Hard Copy</td>
<td>USD 2750 + USD 58 Shipping/Handling</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide</td>
<td>USD 3900</td>
</tr>
</tbody>
</table>

* Shipping/Handling is only charged once per order.

Contact Information
Please enter all the information below in BLOCK CAPITALS

<table>
<thead>
<tr>
<th>Title:</th>
<th>Mr ☐ Mrs ☐ Dr ☐ Miss ☐ Ms ☐ Prof ☐</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Name:</td>
<td>_________________________________</td>
</tr>
<tr>
<td>Email Address:*</td>
<td>________________________________</td>
</tr>
<tr>
<td>Job Title:</td>
<td>_________________________________</td>
</tr>
<tr>
<td>Organisation:</td>
<td>_________________________________</td>
</tr>
<tr>
<td>Address:</td>
<td>_________________________________</td>
</tr>
<tr>
<td>City:</td>
<td>_________________________________</td>
</tr>
<tr>
<td>Postal / Zip Code:</td>
<td>______________________________</td>
</tr>
<tr>
<td>Country:</td>
<td>_________________________________</td>
</tr>
<tr>
<td>Phone Number:</td>
<td>_________________________________</td>
</tr>
<tr>
<td>Fax Number:</td>
<td>_________________________________</td>
</tr>
</tbody>
</table>

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information
Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:
Marketing Code: __________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World