

## BOSCH GROUP IN INDIA

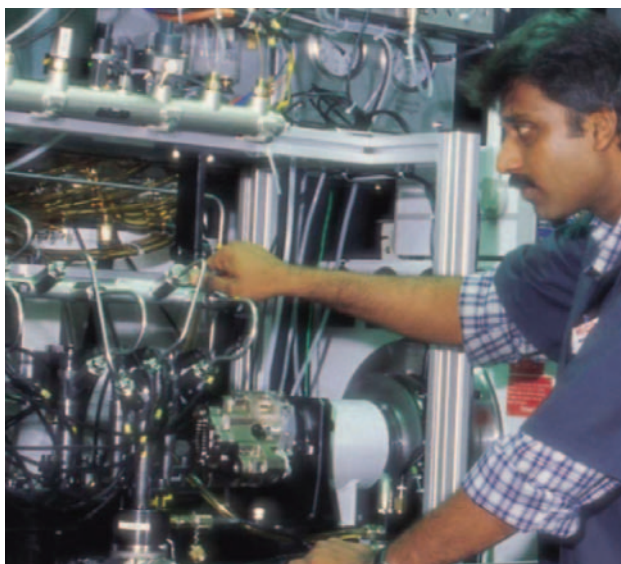


The Bosch Group is a leading global manufacturer of automotive and industrial technology, consumer goods and building technology. It was set up in 1886 by Robert Bosch as a “Workshop for Precision Mechanics and Electrical Engineering”.

In fiscal 2005, it generated sales of Euro 42 billion with around 250000 employees.

The Bosch Group comprises of a network of 260 subsidiaries and around 10,000 service centers in over 130 countries. It employs more than 22,000 associates for research and development and invested Euro 2.90 billion in 2004. The Bosch Group is the second largest patent applicant in Germany, and the third largest at the European patent office.

The Bosch Group operates in three Global Business sectors: Automotive, consisting of Gasoline Systems, Diesel Systems, Chassis Systems Brakes and Chassis Systems Control, Energy and Body Systems, Car Multimedia, Automotive



Electronics and After sales, Consumer Goods and Building Technology, consisting of Power tools, Thermo-technology, Household appliances, and Security systems and Industrial Technology, consisting of Automation technology, Metals technology and Packaging technology.

### **Bosch is a key player in the Indian auto components sector**

India is a significant market for the Bosch group, in view of its rapidly growing automotive market and availability of manpower with high degree of engineering and technology skills. The Group in India employs a total of 14,000 associates and generated annual sales of Euro 729 million in 2005.

It is represented by its subsidiary companies -

- Motor Industries Company Limited – MICO
- Robert Bosch India Limited – RBIN
- Bosch Rexroth India Limited – BRIN
- Bosch Chassis System India Limited

### **Motor Industries Company Limited (MICO)**

MICO is the flagship company of the Bosch Group in India. It was established in 1951. MICO is the largest auto component manufacturer and the largest Indo-German company in India. The Bosch Group holds 60.55 per cent stake in MICO.

MICO is India's largest manufacturer of two key auto components - Diesel Fuel Injection Equipment and Spark Plugs. The company is headquartered in Bangalore with manufacturing facilities in Bangalore, Nashik, Naganathapura and Jaipur. The Naganathapura and Nashik plants house Export Oriented units as well. It has a strength of 9800

associates. Apart from the products mentioned, MICO also manufactures products such as Auto-Electricals, Electric Power Tools, Packaging Machines, Industrial Equipment and trades in products for Security Systems and Blaupunkt Car Multimedia Systems.

#### **Robert Bosch India Limited (RBIN)**

RBIN, a wholly owned subsidiary of Robert Bosch GmbH, develops Software and Engineering Solutions for all business sectors within the Bosch Group across Europe, USA, Asia and Australia. It was set up in 1998, and is a CMM Level 4 certified organisation located at Bangalore. It employs nearly 3000 associates and is the largest software development center for Bosch outside Germany.

#### **Bosch Chassis Systems India Limited**

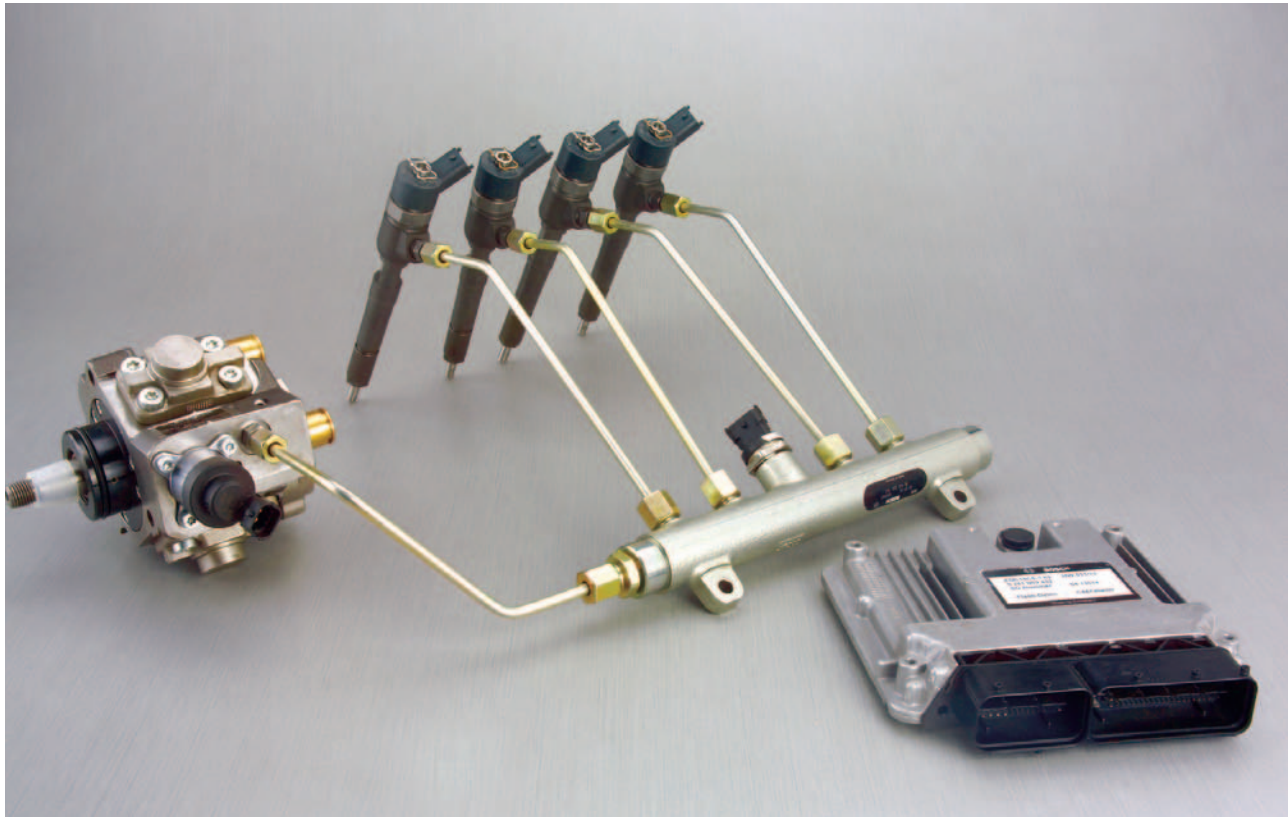
Bosch Chassis Systems India Limited (formerly Kalyani Brakes) is the leading manufacturer of Hydraulic Brakes in India for passenger cars, two wheelers, three wheelers and tractors. Bosch

Group holds 80 per cent stake in the company, which was set up in 1982 and employs approximately 2000 associates. Its plants are located in Jalgaon and Chakan in Maharashtra and Manesar near Delhi.

#### **Bosch Rexroth India Limited (BRIN)**

BRIN provides products, systems and services for drive and control technologies to various industrial and mobile applications. It was set up in 1975 and the Bosch Group holds a 96.4 per cent stake in BRIN. The company focuses on five technology groups namely: Industrial Hydraulics, Electric Drives and Controls, Linear Motion and Assembly Technologies, Pneumatics, and Mobile Hydraulics. BRIN employs 300 associates and has operations in India, Bangladesh, Nepal and Sri Lanka, with manufacturing facilities in Ahmedabad and Bangalore. It has five direct sales offices and 30 sales and service partners all over South Asia.

#### **Leveraging India for Research and Development**



Bosch has set up a technical centre in India for Research and Development, which is spread over an area of around 10,000 sq mtrs in Bangalore and has over 300 qualified and experienced engineers and technicians. This is the first Global Development Centre in the Bosch group outside Europe. The Centre focuses on developing solutions for the Automotive industry, in the areas of Electronic Diesel Control and Petrol Injection Systems.

As a global development centre, it is also involved in:

- Design and development of new products from concept to manufacturing
- Manufacture and testing of proto samples
- Reliability testing
- Product quality improvements and rationalisation
- Technical co-ordination with other manufacturing locations, for quality and warranty

Bosch Automotive spends more than 9 per cent of its sales revenue on research and development – far more than the average for the industry.

### Environmental initiatives

Environmental protection is a key focus area for Bosch and one of the company's basic corporate principles, along with product quality and economic efficiency. As part of its social responsibility, Bosch companies in India are actively involved with State and Central Pollution Control Boards and non-governmental organisations such as CII, BCIC, etc. and actively takes initiatives in elimination of hazardous waste and conservation of the principal resources such as water and energy.

### Future plans

The Bosch Group has plans to invest over Euro 325 million in India between 2005 and 2008. A major part of this investment is to go towards the expansion of the automotive activities in India.

The Group is investing Euro 152 million in facilities for production of high-pressure Common-Rail Injection systems in Bangalore and Nashik. Bosch intends to further expand not only the production of Common-Rail systems in India, but also the development and application.

### Bosch in India : At a glance

- Parent company: Robert Bosch GmbH, Germany
- Bosch in India is a key player in Auto Component sector, Power Tools, Packaging Machines, Security Systems and Industrial Drives and Controls.
- The group operates in India through four subsidiaries:
  - Motor Industries Company Limited – MICO
  - Robert Bosch India Limited – RBIN
  - Bosch Rexroth India Limited – BRIN
  - Bosch Chassis System India Limited - RBIC
- Factors for success: Leading edge technology, R&D capabilities, long experience in India, environmental initiatives
- Future plans: Significant investment in new facilities, capacity expansion, manpower enhancement