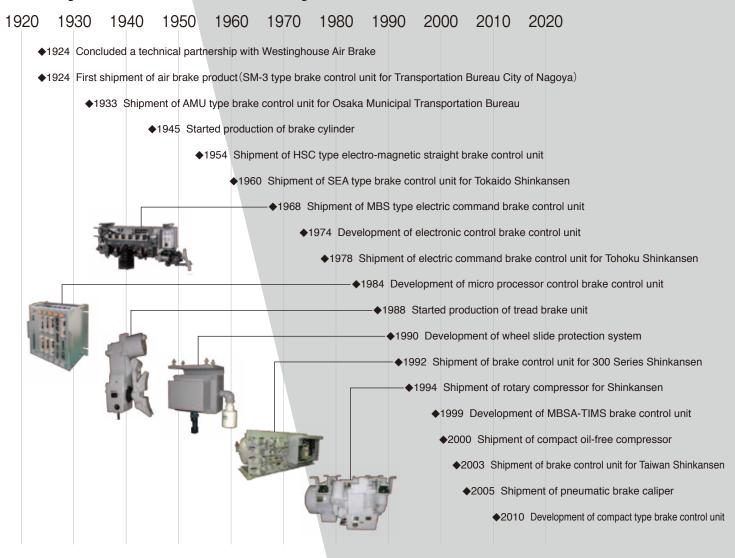
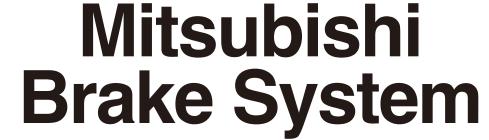
Rail Transport

History of Mitsubishi Brake System

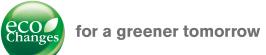












Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.

MITSUBISHI ELECTRIC CORPORATION

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Effective Sep. 2018.
Specifications are subject to change without notice.

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Key to Safe Rail Transport

Mitsubishi Electric has been supplying brake system for rolling stock over 90 years. Under the cooperation with Mitsubishi Heavy Industries, Ltd., we provided 90,000 brake equipment all over the world. With our experience and ability in supplying extreme safety and high quality products, we are able to provide total solution for brake system. We can propose brake system that fits any type of rolling stock such as high-speed, commuter, metro and locomotive.

Since Mitsubishi Electric can supply propulsion system, we are able to optimize rolling stock running and stopping performance. Electric and pneumatic brake are closely blended by the systems, and rolling stock's power consumption and wear in friction material are reduced. Mitsubishi Electric also supplies Train Control and Management System(TCMS) that controls rolling stock equipment as total system. As a rolling stock system integrator, Mitsubishi Electric manages rolling stock as total system to implement optimized train operation.

> Our designing section cooperates with research and development section to develop innovative product applying cutting-edge technology.







support to our customer in all process, from receipt of product order to after-sales service and overhaul of the product.



We have introduced a comprehensive state-of-theart inspection facility which brings together many vears of know-how, and shifted to automatic data llection. We manage both thorough evaluation on bility and successive effort on optimiz-

Mitsubishi

Manufacturing

Quality Assurance

Production



Mitsubishi has production lines which are adapted to electronic and pneumatic products. Our production system makes it possible to efficiently produce various brake products with



Mitsubishi Brake System

Master Controller

· High reliability and a high economy, small and lightly by modularized elements



Air Supply

- Wide range of product, to fit any type of system
- Line up Oil-free type



Quality



"Quality First" is one of the most important concept in all process of

Mitsubishi's manufacturing. To make our product highly qualified, we

We are proactively acquiring international certifications. We have certification of ISO9001, ISO14001, CMMI Lv.2 which issued by external

constantly work on research and development.





Testing

ISO 9001

Every time Mitsubishi ships product, its safety and quality are carefully tested by quality control engineer. We have innovative test facility that tests our product's safety and quality from every aspect.



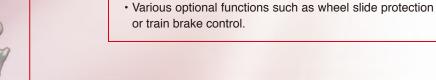


Bogie Brake Equipment

- Line up both Caliper or Tread type
- Automatic slack adjuster, parking brake
- Flexible mounting







Brake Control Unit

Per bogie or car control