

Establishment of Tokyo Research & Development Center

Minebea opened the Tokyo Research & Development Center (TRDC) in April 2013 at facilities located in the Tokyo Head Office. TRDC utilizes a portfolio of superior technologies accumulated over the years by the Minebea Group to develop value-added products required by customers and society.

TRDC's Mission

Capitalizing on a geographical advantage of its location in Tokyo, TRDC is on a mission to attract and recruit excellent engineers and create an environment where all concerned business units can utilize the latest developments and information as well as leading-edge technologies in the related industries. At the same time, TRDC's mission includes assisting Minebea to produce (design, develop and test) high-value-added future products for the customers in a speedy and efficient manner, centering around a development of brand-new hybrid and composite products unprecedented in the history of Minebea.

Developing High Value-added Products Combining Our Total Capabilities

For more than 60 years since its founding in 1951, Minebea has evolved as a richly unique company leading a wide range of businesses, from bearings to motors and measuring equipment. TRDC opened in 2013 to leverage our superior portfolio of diverse technologies and develop new EMS (Electro Mechanics Solution) products.

As stated in our mission, TRDC brings together development and technological resources from all areas and departments of the Minebea Group to generate EMS products no other company can. The comprehensive development of technologies is a critical feature of our work: we have accumulated a substantial portfolio of ultra-high precision processing technologies based on which we have developed motors and sensors, as well as manufacturing technologies that make mass production possible. As part of our mission, we are leveraging the convenience of our Tokyo location, where leading-edge technologies are concentrated, to incorporate external resources to support the generation of high value-added products.

Aiming for New Possibilities

“Mobility,” “Work,” and “Fulfillment” are three keywords behind our development work. These keywords reflect our desire to instill security, safety, and comfort into the basic human needs of food, clothing, and shelter. In the area of “Mobility,” we aim to enable comfortable movement for people anytime and anywhere. In the area of “Work,” we aim to solve work-related problems and make work physically easier. In the area of “Fulfillment,” we aim to create technologies that can raise the quality of life and support a fulfilling society. As an example, Japan is facing the rapid aging of bridges, roads and other social infrastructure. One means of solving this issue is to create smarter systems capable of inspecting, renewing, and monitoring the infrastructure. By leveraging our motor, optical device, and sensor technologies, we can support the development of highly reliable and durable infrastructure systems.

In this way, we are focusing our efforts on areas where we have a distinctive advantage, and using those areas as a foundation for new technology development. In the medium- to long-term, the development of many new EMS products into pillars of growth will broadly contribute to the advancement of society.

Maximizing Minebea’s Strengths

Since the establishment of TRDC, we have taken various initiatives to bolster our foundation. We are helping to solve the technological challenges of sales divisions and other departments, and we have identified the technological strengths of each business unit and individual engineers in those business units. Moving forward, we plan to forge closer communications with these organizations and consolidate the strengths of the Minebea Group.

By maximizing our strengths, we can not only provide products required by our customers, but also develop a proposal-based business in which we think from the perspective of the end-user. What kinds of products should be created in order to provide security, safety, and fulfillment to society? Based on this perspective, we need to create more opportunities for our engineers to talk directly to the technical experts at our customer companies.

Through these activities, the Minebea Group's superior products and technologies can serve as a kind of lubricant between not just our customers and us, but also between society and us. In creating products required by society, we can also contribute to the revitalization of Japan's manufacturing industry.



Mr. Akira Ikawa, Chief, Tokyo Research and Development Center