

JTEKT ENGINEERING JOURNAL

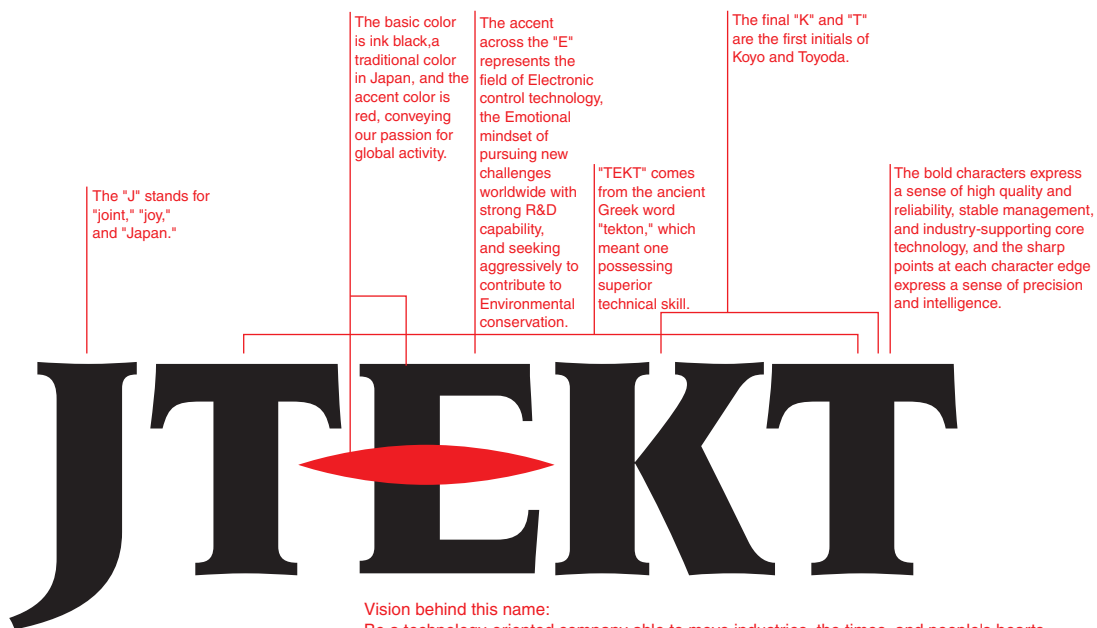
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English Edition

Special Edition on Environmental Technologies



Technological development friendly to environment is the first step for a sustainable future.



Vision behind this name:

Be a technology-oriented company able to move industries, the times, and people's hearts.

JTEKT Corporation. Through the merger of their knowledge and experience, Koyo Seiko and Toyoda Machine Works have formed a company with the technical capability to achieve dramatic manufacturing innovation in Japan and worldwide based on highly reliable and advanced technology. JTEKT's commitment is to obtain the satisfaction of customers and contribute strongly to the advance of a sustainable society.

Front Cover: Mont-Saint-Michel and its Bay

Mont-Saint-Michel is a small island made of rock situated in Saint-Malo Bay off France's western coast. The island and the monastery looming at its top are frequented by Catholic pilgrimage, and, together with its bay, Mont-Saint-Michel was added to the UNESCO list of World Heritage Sites in 1979. According to legend, the archangel Michael appeared in 708 A.D. to a local bishop and instructed him to build a church on the rocky islet. As such, the name of island, Saint Michael's Mount (Mont-Saint-Michel), derives from the angel's name. Saint-Malo Bay is known to have one of the greatest tidal ranges in Europe, and the difference between low tide and high tide can be as much as 15 meters. Therefore, in the past Mont-Saint-Michel would become an island floating in the sea at high tide, while at low tide, a natural bridge would appear connecting the island to the mainland and allowing people to walk to and from (known as the tombolo phenomena). In 1877, a causeway was built between the island and its nearby shoreline, making the island accessible even at high tide. However, due to fear the environment would deteriorate as a result of changes in the tidal flow, in 2014, the causeway was replaced with a bridge that allows the waters to flow freely.

