

1964: The Year the HarmonicDrive® Became a Practical Reality in Japan

In 1964, the HD Division of the predecessor of our company, Hasegawa Gear Works, Ltd., entered into a technical agreement with USM Co., Ltd. and succeeded in creating a practical Harmonic Drive system for the first time in Japan. In 1970, the two companies established a joint-venture company which, in 1979, became Harmonic Drive Systems Inc.

Through the commercialization of Musser's remarkable invention, we can meet the needs of clients working in a wide range of fields who require highly precise positioning in their motion-control systems.

Throughout our development, we have pursued our goals with the firm belief that the ultimate mandate of our engineers is to earn and keep the trust of our customers. We will continue our efforts to develop new means of motion control that will further improve the working environments of our clients.



Original members of the HD Division (Technology and Production Departments) [1964]



The first HarmonicDrive® was delivered to Hitachi, Ltd. by Hasegawa Gear Works vice president Kiichiro Hasegawa [1965]



The Harmonic Drive Systems Inc. booth at an early International Industrial Robot Exhibition [1965]



The Matsumoto Plant, nestled in the Japan Alps [1970]

A Constant Search for Total Motion Control

Using the high-precision machining and control technologies we have acquired over many years of operation, we continue our efforts to achieve ever higher levels of total motion control.

While manufacturing HarmonicDrive® that is smaller, lighter, stronger, and more accurate than ever before, we are also refining peripheral technologies to maximize performance.

To optimize the total motion-control system, we are developing motors and drivers that move more accurately, as well as controllers that make better positioning possible, and sensors that further enhance performance, all in a complete, integrated system that appeals to our customers.

Our work is a fusion of advanced technologies in both mechanics and electronics, helping us to become a comprehensive engineering company that specializes in process control.