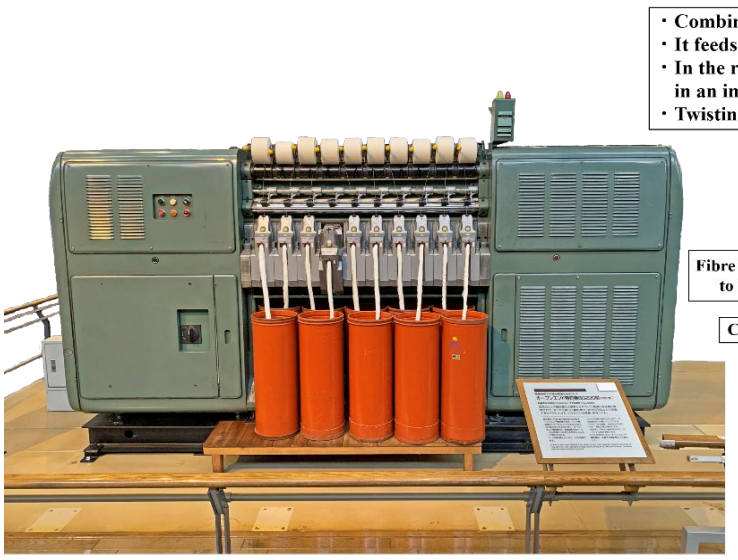
Practical domestically manufactured machine that dramatically improved productivity through innovative spinning methods

Registration No.	Number 00387		
Registration Date	18 September 2025	Registration Category	Category 1

Name (Model, etc.)	Toyoda Open-End Roter Spinning Frame Type BD200
Location	Nagoya, Aichi, Japan
	Toyota Commemorative Museum of Industry and Technology
Owner (Custodian)	Toyota Industries Corporation
Manufacturer (Company)	Toyoda Automatic Loom Works, Ltd. (currently Toyota Industries Corporation)
Year Manufactured	1969
Year first appeared	1967 (Czechoslovak National Cotton Research Institute (Výzkumný ústav bavlnářského: V.U.B.) exhibited at the world's largest international textile machinery exhibition (ITMA).)
Reason For Selection	This item is the rotor-type open-end spinning frame that attracted worldwide attention at the time. It was based on a prototype announced by Czechoslovakia in 1967, which was improved in a short period of collaboration between Toyoda Automatic Loom Works, Ltd. (currently Toyota Industries Corporation) and Daiwabo Co., Ltd. under a technical partnership. This innovative spinning machine fed fibers in rapid succession onto the already formed yarn end while twisting, and the rotor type, which did not require a roving process, was a pioneer in this field. The machine dramatically improved productivity due to a spinning speed that is three times faster than that of conventional ring spinning machines. It is extremely important in the history of spinning technology in that it was one of the first machines to introduce innovative technology and spread it widely.
Registration Criteria	1-A (Shows an important aspect or stage in the development of science and technology.) 2-B (Made a notable contribution by facilitating an epoch-making advance in Japan's economy and place in the world.)

Open/Closed to the Public	Open to the Public
Photos	



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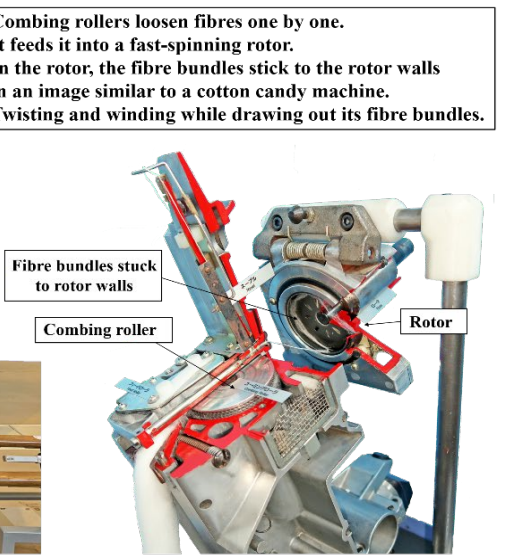

Rotor mechanism