

Gear reducers powering industrial robots around the world

Registration No.	Number 00401		
Registration Date	September 29, 2026	Registration Category	Category 1

Name (Model, etc.)	Precision Reduction Gear RV Series RV-135
Location	Tsu-shi, Mie
	Nabtesco Corporation Tsu Plant
Owner (Custodian)	Nabtesco Corporation
Manufacturer (Company)	Nabtesco Corporation
Year Manufactured	1985
Reason For Selection	This item is a representative type of gear reducer that is currently used as standard in industrial robots. Originally developed by adapting gear reducers used in construction machinery for robotics applications, this product is utilizing a mechanism combining a cycloidal mechanism with planetary gears to achieve the high reduction ratio, compact size, light weight, shock resistance, high rigidity, and high precision required of industrial robot gear reducers. The RV-135, developed in 1985 specifically for robots, is significant as the first model in a product line that has contributed to improving the mechanical performance of many industrial robots.
Registration Criteria	1-B (Shows a uniquely Japanese scientific or technological development from an international perspective.) 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	Closed to the Public
Photos	
Other useful information	