

One of the earliest domestically produced motor generator direct current arc welding machine

Registration No.	Number 00326		
Registration Date	September 13, 2022	Registration Category	Category 1 (multiple identical products such as mass-produced products)

Name (Model, etc.)	DC Single Arc Welding Machine (PD-A)		
Location	Ibaraki-shi, Osaka		
	Joining and Welding Research Institute, Osaka University		
Owner (Custodian)	Joining and Welding Research Institute, Osaka University		
Manufacturer (Company)	Hitachi, Ltd.		
Year Manufactured	1941		
Year first appeared	1926		
Reason For Selection	It is a power supply device for motor generator (MG) direct current (DC) arc welding. This machine was developed as the first domestically produced MG DC arc welding power supply around 1926, and is the oldest existing domestically produced arc welding power supply. It has a rated output current of 200 A, drooping characteristics with a rated voltage of 25 V, a generator and a motor mounted on a sturdy cart that supports the load, and a control unit on it. Welding that joins metals is an indispensable technique for industrial products and is significant as an indicator of the progress of arc welding technology.		
Registration Standard	1-A (Show an important aspect or stage of the development of science and technology.)		

Open/Closed to Public	Closed to Public		
Photo			
Other useful information			