

Registration No.	Number 00104		
Registration Date	September 11, 2012	Registration Category	Category 2

Name (Model, etc.)	AI Robot (ETL-Robot Mk1)		
Location	Tsukuba City, Ibaraki Pref		
	National Institute of Advanced Industrial Science and Technology (Tsukuba)		
Owner (Custodian)	National Institute of Advanced Industrial Science and Technology.		
Manufacturer (Company)	Kayaba Industry Co.,Ltd. Others		
Year Manufactured	1970		
Reason For Selection	Teaching-playback type factory automation systems were popular robot training methods in the 1970s. The operator manually trained a robot to perform a series of actions that were codified as a recorded signal. This robot, the first to be equipped with a video camera, was able to see and recognize objects through its “eyes” and determine the most appropriate course of action without having to be trained every step of the way by a human operator. As a six-degree-of-freedom articulated robot it offered precise handling and a superior ability to detect and avoid obstacles while working. By successfully combining the processes of recognition, judgment and action for the first time, this robot provided a solid foundation for research into intelligent robotics, which in turn led to mechatronics, the technology that made Japanese production systems the envy of the world and contributed to strong national economic growth for many years. Unfortunately the hand has been lost from this robot, but we can still see the main articulated components of the first ever industrial hand-eye system in the world.		
Registration Standard	1 - B		

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