


Registration No.	Number 00106		
Registration Date	September 11, 2012	Registration Category	Category 2

Name (Model, etc.)	Early mixer used in production of water based polymer-Isocyanate adhesives for woods		
Location	Fuji City, Shizuoka Pref		
	Koyo Sangyo Co.,Ltd. Fuji Factory		
Owner (Custodian)	Koyo Sangyo Co.,Ltd. Fuji Factory		
Manufacturer (Company)	Katsunaka Kogyo Co., Ltd.		
Year Manufactured	1972		
Reason For Selection	<p>This is the only surviving piece of the first mass production line used in making isocyanate polyvinyl alcohol (PVA) adhesive. Its significance in terms of industrial history is due to the difficulties in developing a mass production process for PVA, which reacts violently if allowed to come into contact with water and separates into its constituent components. The problem was solved by employing inorganic filler as a thickener and stabilizer. This Japanese-invented PVA production process produced an adhesive with superior durability and minimal toxicity that is still used today in wood construction throughout the world. This machine, which features a unique propeller-shaped agitator for mixing highly viscous materials, serves as an important reminder of the production processes at the time.</p>		
Registration Standard	1 - B		

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