

Registration No.	Number 00080		
Registration Date	September 27, 2011	Registration Category	Category 2

Name (Model, etc.)	Press used for rigid polyvinyl chloride sheet fabrication
Location	Nagahama City, Shiga Pref
	Mitsubishi Chemical Corporation Nagahama R&D Center
Owner (Custodian)	Mitsubishi Chemical Corporation Nagahama R&D Center
Manufacturer (Company)	Komatsu Ltd.
Year Manufactured	1954
Reason For Selection	<p>Rigid polyvinyl chloride is typically used in pipes and sheets, and production of them began around 1952. This machine was created as the first rigid polyvinyl chloride sheet fabrication press in Japan, to respond to demands for sheets of the dimensions three shaku by six shaku. These dimensions were the standard dimensions for sheets at the time. (One shaku is approximately 30.3 cm.)</p> <p>After that, an advantageous, less costly method of molding, creating rigid polyvinyl chloride sheets by extrusion molding was introduced; however, the press method produced sheets of more superior quality. Even today, both production methods are still used. The press method can be used for thick sheets that cannot be fabricated with extrusion molding and for formation of chlorinated polyvinyl chloride. This method is also for equipment chassis such as plating in high temperature regions and for devices such as chemical pumps that have to be corrosion-resistant.</p> <p>Rigid polyvinyl chloride is used for various applications because of its cheap price and well-balanced characteristics such as strength, staining property, light resistance, and workability for adhesion and welding. The preservation of Japan's first press for fabricating rigid polyvinyl chloride sheets has great historical value.</p>
Registration Standard	1 - A

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Other useful information	