

Plain paper copying machine that achieves beautiful image quality with domestic technology

Registration No.	Number 00359		
Registration Date	September 12, 2023	Registration Category	Category 1

Name (Model, etc.)	KONISHIROKU PHOTO INDUSTRY U-BIX 480
Location	Hachioji-shi, Tokyo
	KONICA MINOLTA WITH YOU, INC.
Owner (Custodian)	KONICA MINOLTA WITH YOU, INC.
Manufacturer (Company)	KONISHIROKU PHOTO INDUSTRY CO., LTD. (Current: KONICA MINOLTA, INC.)
Year Manufactured	1971
Year first appeared	1970
Reason For Selection	This plain paper copying machine uses magnetic brush development and a zinc oxide photoreceptor to achieve beautiful image quality. The conventional cascade development method has the disadvantage that toner is concentrated toward the edges of the electrostatic latent image, resulting in poor reproduction of gradation and solid black. The U-BIX 480 overcomes this problem by employing magnetic brush development (a development method in which the photoreceptor is rubbed with toner in the form of magnetic spikes), which enables the reproduction of photographs and pencil lines. It is also significant for being first in the world to have its photoreceptor sheet made out of zinc oxide, which at the time was mainly used for photosensitive paper, and rotated on a master carriage.
Registration Standard	1-B (Show a uniquely Japanese scientific or technological development from an international perspective.)

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Other useful information	