

The high-end tape deck equipped with a unique tape path system and a DD large-diameter capstan

Registration No.	Number 00246		
Registration Date	August 28, 2018	Registration Category	Category 1

Name (Model, etc.)	"Isolated loop" Three-Motor, Direct-Drive Tape Deck RS-1500U		
Location	Kadoma-shi, Osaka		
	Panasonic Museum		
Owner (Custodian)	Panasonic Corporation		
Manufacturer (Company)	Matsushita Electric Industrial Co., Ltd. (now Panasonic Corporation)		
Year Manufactured	1976		
Year first appeared	1976		
Reason For Selection	A high-end, open-reel tape deck which implemented the "isolated loop" tape movement system, which had only been employed in professional instruments such as data recorders, into a household device and attained stable tape movement performance using a unique tape path system. A servo control DC direct-drive (DD) motor, based on experience with turntables, was equipped for the capstan. The servo technology, stable even at low speeds, was able to drive a large capstan 34 mm in diameter. It is vital for its unique form for an open-reel tape recorder and as a model which realized high performance with originally developed technology.		
Registration Standard	1-B (Show a uniquely Japanese scientific or technological development from an international perspective.)		

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