

TABLE 30

Permanent Magnet Production (¥ million)

	1978	1979	1980	1981	1982	
Ferrite magnet	24 200	27 700	35 500	39 100	36 700	
Alni magnet	15 800	20 900	21 400	18 800	13 700	
Rare earth magnet	2 900	3 500	5 400	9 000	9 100	
	1983	1984	1985	1986	1987	1988
Ferrite magnet	42 900	54 200	57 500	56 100	57 200	58 300
Alni magnet	12 200	12 800	11 400	9 300	7 800	7 900
Rare earth magnet	12 000	18 000	19 100	26 200	30 700	38 400

Source: Japan Electronics Materials Industry Association.

TABLE 31

Production of RE Magnets

	1982	1983	1984	1985	1986	1987	1988
Volume (tons)	180	281	430	451	648	784	1 071
Value (¥ million)	9 100	12 000	18 000	19 100	26 200	30 700	38 400

Source: Japan Electronics Materials Industry Association.