



产品展示 Product Exhibition

永磁铁氧体 Permanent Ferrite

永磁铁氧体是以SrO或BaO及Fe₂O₃为原料，通过陶瓷工艺方法制造而成。
Permanent Ferrite magnet is made of SrO or BaO and Fe₂O₃ by Ceramic processing technology.

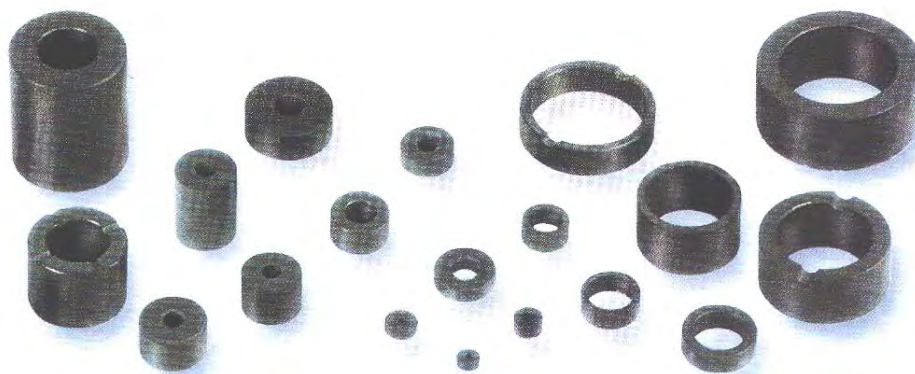


永磁铁氧体生产工艺流程图 Production Chart of Ferrite Magnet





各向同性徑向轉子磁鐵 Isotropic radial rotor magnets

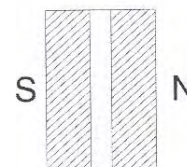
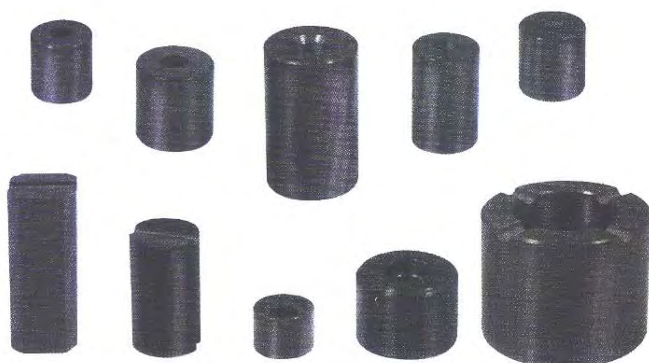


磁性能 Magnetic properties

材料編號 Grade of material	Br		Hcb		Hcj		(BH)max	
	MT	KGs	KA/m	KOe	KA/m	KOe	KJ/m ³	MGOe
Y8T	207~ 2130	2.07~ 2.13	137~ 143	1.720~ 1.796	250~ 260	3.140~ 3.260	7.16~ 7.56	0.9~ 0.95

說明：可以根據客戶要求生產任何規格的磁鐵 Note: Any size is available on request.

各向异性兩極圓柱形磁鐵 Anisotropic two-pole cylindric magnets



磁性能 Magnetic properties

材料編號 Grade of material	Br		Hcb		Hcj		(BH)max	
	MT	KGs	KA/m	KOe	KA/m	KOe	KJ/m ³	MGOe
Y26H	355~ 370	3.55~ 3.70	230~ 240	2.88~ 3.01	240~ 250	3.01~ 3.14	23~ 25	2.9~ 3.14



产品展示 Product Exhibition

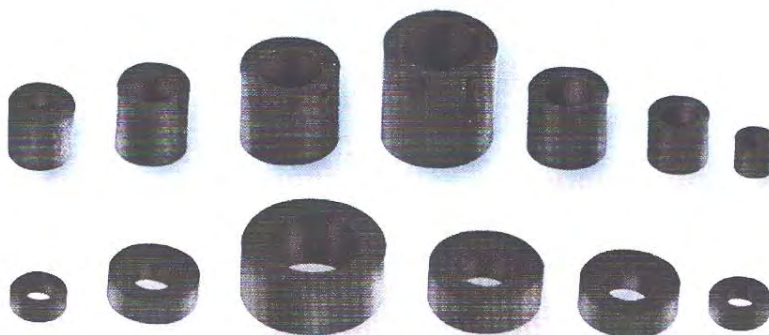
產品規格及磁鐵表面磁場強度 Specifications and surface field intensity of magnets

產品尺寸 Size	表面場強 (OE) SG-3A 特斯拉計 Surface field intensity(OE) SG-3A TESLA Meter	表面場強 (OE) TM-501 特斯拉計 (日本) Surface field intensity(OE) TM-501 TESLA Meter (Japan)
∅ 9X12	1250~1350	1350~1450
∅ 9X15	1250~1350	1350~1450
∅ 12X12	1380~1480	1480~1580
∅ 12X18	1380~1480	1480~1580
∅ 13.5X21		
∅ 16X25		
∅ 18X30	1500~1600	1600~1700
∅ 19X30	1500~1600	1600~1700
∅ 20X32	1500~1600	1600~1700

說明：可以根據客戶要求生產任何規格的磁鐵 Note: Any size is available on request.

徑向取向多極環形磁鐵

Radial multi-pole ring magnets



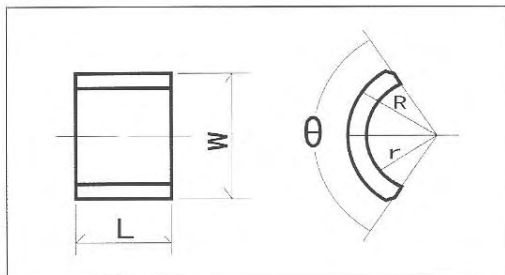
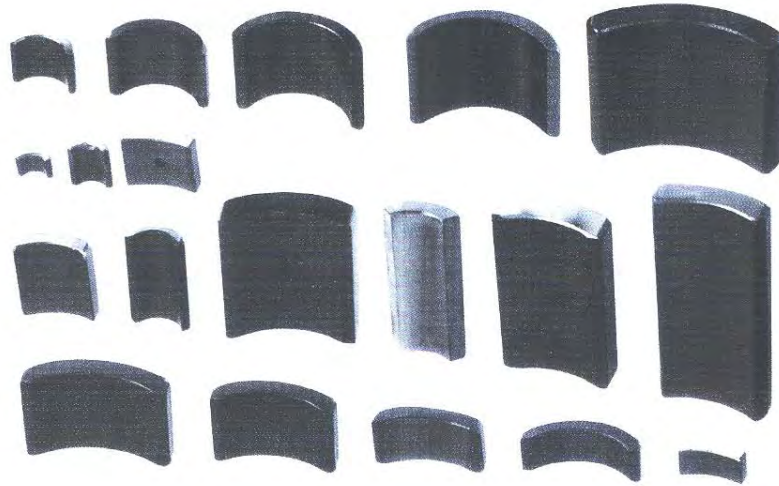
部分產品規格及磁鐵表面場強 Specifications and surface field intensity of some products

名稱 Name	磁化圖 Magnetization graph	尺寸 Size	磁極數 Poles	表面磁通密度 Surface flux intensity(Gs)
多極磁環 Multi-pole ring magnets		∅ 35 X ∅ 27.6 X H30	16	1500±50
		∅ 28 X ∅ 19 X H28	16	1400±50
		∅ 25.6 X ∅ 17 X H20	24	1500±50
		∅ 25 X ∅ 15 X H18	16	1400±50
		∅ 23.4 X ∅ 11 X H8	8	1400±50; 1600±50
		∅ 20 X ∅ 13 X H20	24	1200~1300
		∅ 18 X ∅ 7 X H8	8	1200±50
		∅ 15.5 X ∅ 10 X H17.4	12	1600±50
		∅ 15 X ∅ 8 X H5	6	1100~1200
		∅ 12 X ∅ 5~7 X H9~12	12	1200~1300



瓦形磁鐵

Segment/Arc magnets



瓦形磁規格 Segment/Arc magnet

型號 Type	外半徑 (R)	內半徑 (r)	軸向長 (L)	弦長 (W)	圓心角 (θ)
R130	9.55±0.1	6.95±0.05	12±0.25	14±0.3	110°±2°
R140	10.1±0.1	6.90±0.05	10.5±0.4	18.35±0.3	135°±2°
R180	9.45±0.1	6.75±0.1	19.4±0.4	14±0.3	
R260	11.50±0.1	7.9±0.1	12.8±0.3	20.9±0.4	135°
R280	11.5±0.05	7.90±0.05	21.5±0.4	20.3± $\begin{smallmatrix} 0.6 \\ 0.4 \end{smallmatrix}$	135°±1°
R360	13.15±0.1	8.9±0.1	15±0.3	23.8±0.5	135°
R380	13.15±0.1	8.90±0.10	21±0.5	22.6±0.45	135°±1°
R504	15±0.1	10.6±0.1	23.5±0.5	20±0.4	
R550	16.9±0.1	12±0.1	37±1.0	30±0.7	135°
R540	16.9±0.1	12±0.1	30±0.6	30±0.6	135°
R750	19±0.1	14.3±0.1	30±0.6	35±0.7	130°

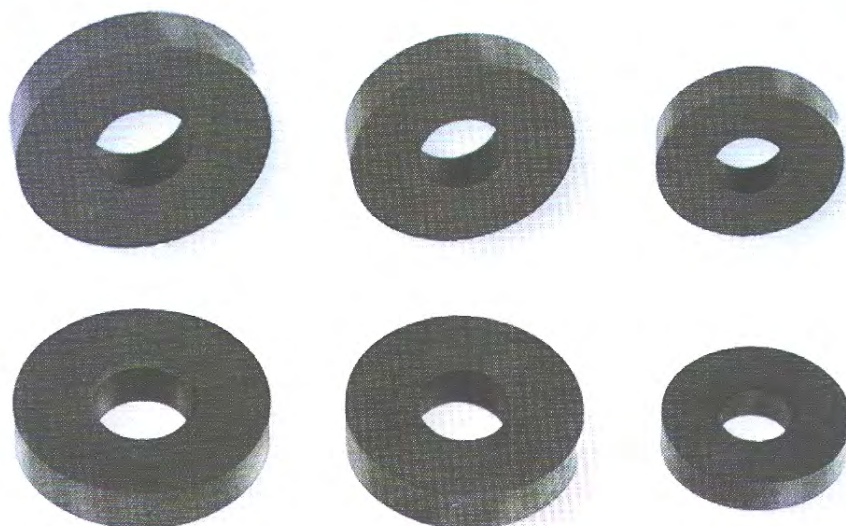
說明：可以根據客戶要求生產任何規格的磁瓦 Note: Any size is available on request.



产品展示 Product Exhibition

微波爐磁控管磁鐵

Magnetron magnets for micro-wave oven

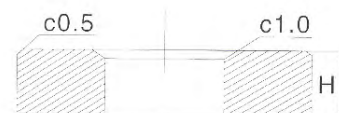


磁性能 Magnetic properties

Br		Hcb		Hcj		(BH)max	
MT	KGs	KA/m	KOe	KA/m	KOe	KJ/m ³	MGOe
407~	4.07~	207~	2.6~	215~	2.7~	31.8~	4.0~
413	4.13	215	2.7	223	2.8	32.6	4.1

產品規格尺寸 Product specifications

產品規格 編號 Product No.	外徑 (mm) Outer diameter	內徑 (mm) Inner diameter	高度H (mm) Height
1	$\phi 55 \begin{smallmatrix} +4.5 \\ -0 \end{smallmatrix}$	$\phi 21.5 \begin{smallmatrix} +0.7 \\ -0.5 \end{smallmatrix}$	$11.1 \begin{smallmatrix} +0 \\ -1.1 \end{smallmatrix}$
2	$\phi 55 \begin{smallmatrix} +0.3 \\ -0 \end{smallmatrix}$	$\phi 21.0 \begin{smallmatrix} +1.2 \\ -0 \end{smallmatrix}$	$12.2 \begin{smallmatrix} +0 \\ -0.1 \end{smallmatrix}$
3	$\phi 60.5 \begin{smallmatrix} +4.5 \\ -0 \end{smallmatrix}$	$\phi 21.5 \begin{smallmatrix} +0.7 \\ -0.5 \end{smallmatrix}$	$11.1 \begin{smallmatrix} +0 \\ -0.1 \end{smallmatrix}$
4	$\phi 50 \begin{smallmatrix} +3.0 \\ -0 \end{smallmatrix}$	$\phi 19.4 \begin{smallmatrix} +0.8 \\ -0 \end{smallmatrix}$	$12.6 \begin{smallmatrix} +0 \\ -0.1 \end{smallmatrix}$



說明：可以根據客戶要求生產任何規格的磁鐵

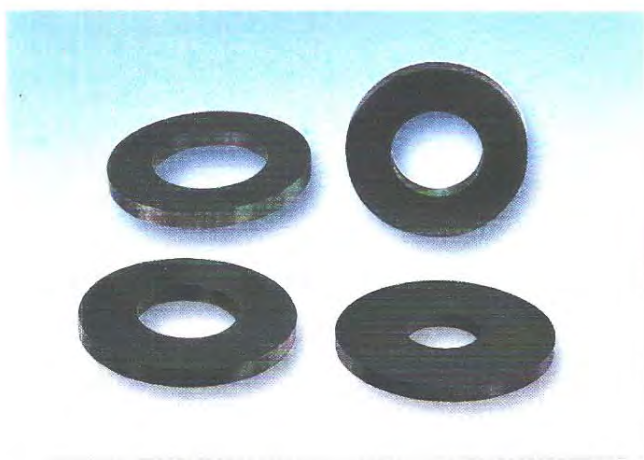
Note: Any size is available on request.



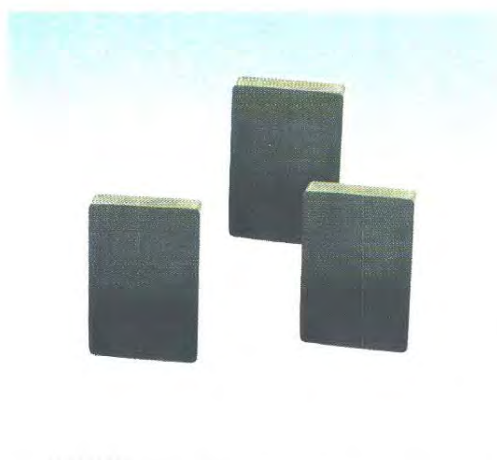
超大尺寸環形和矩形磁鐵 Super-large ring and block magnets

超大尺寸環形和矩形磁鐵，用公司自行設計的、不同于傳統隧道窑和輾道窑的特種爐燒結。具有產量大、性能穩定、合格率高的特點。

The super-large block and ring magnets are sintered by self-designed special kilns, different from the traditional tunnel and rolling kilns, which are characteristic of large quantity, stable property, and high acceptable rate.



超大尺寸環形磁 Super-large ring magnets



超大尺寸矩形磁 Super-large block magnets

產品規格及性能 Specifications and magnetic properties

性能參數 Property data 產品規格 (mm) Product size	Br		Hcb		Hcj		(BH)max	
	mT	KGs	KA/m	KOe	KA/m	KOe	KJ/m ²	MGOe
Ø 220 X Ø 110 X 25.4	>380	>3.80	>160	>2.0	>170	>2.125	>26.3	>3.3
Ø 300 X Ø 170 X 25.4	>380	>3.80	>160	>2.0	>170	>2.125	>26.3	>3.3
Ø 330 ~ Ø 110 (Ø 170) X 25.4	>380	>3.80	>160	>2.0	>170	>2.125	>26.3	>3.3
L152.4 X 101.6 X 25.4 (6" X 4" X 1")	>390	>3.90	>250	>3.125	>260	>3.250	>28	>3.5



電腦檢測中心
Computer Testing Centre

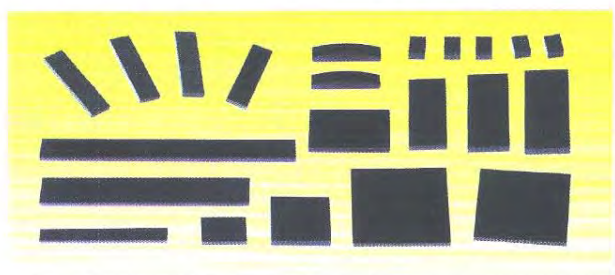


超薄和高精度的切割磁鐵

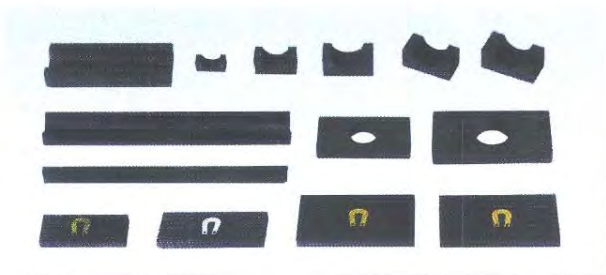
Super-thin and high-precise cut magnets

公司配備有精良的切割設備，可按客户要求切割各種規格的磁鐵；尤其擅長切割超薄和高精度的磁鐵。

With precise cutting equipment, SME can produce different sizes of magnets by cutting. Especially, it is good at cutting super-thin and high-precise magnets.



超薄切割磁 Super-thin cut magnets



高精度切割磁 High-precise cut magnets

產品規格及性能 Specifications and magnetic properties

性能參數 Property data	Br		Hcb		Hcj		(BH)max	
	mT	KGs	KA/m	KOe	KA/m	KOe	KJ/m ²	MGOe
產品規格 (mm) Product size								
$17^{\pm 0.05} \times 17^{\pm 0.05} \times 1^{\pm 0.02}$	>385	>3.85	>250	>3.125	>260	>3.250	>2.8	>3.5
$4^{\pm 0.02} \times 3^{\pm 0.02} \times 1.8^{\pm 0.02}$	>385	>3.85	>250	>3.125	>260	>3.250	>2.8	>3.5

永磁鐵氧體材料磁性能

Magnetic properties of permanent ferrite materials

材料編號 Grade of material	Br		Hcb		Hcj		(BH)max		相當于國際標準 Equal to international standards
	MT	KG	KA/m	KOe	KA/m	KOe	KJ/m ³	MGOe	
Y8T	200~235	2.0~2.35	125~160	1.57~2.01	210~280	2.64~3.52	6.5~9.5	0.8~1.2	IEC~7/21
Y20	320~380	3.2~3.8	135~190	1.70~2.38	140~195	1.76~2.45	18.0~22.0	2.3~2.8	
Y22H	310~360	3.1~3.6	220~250	2.77~3.14	280~320	3.52~4.02	20.0~24.0	2.5~3.0	IEC~20/28
Y23	320~370	3.2~3.0	170~190	2.14~2.38	190~230	2.39~2.89	20.0~25.5	2.5~3.2	IEC~20/19
Y25	360~400	3.6~4.0	135~170	1.70~2.14	140~200	1.76~2.51	22.5~28.0	2.8~3.5	JIS~MPB320
Y26H	360~390	3.6~3.9	220~250	2.77~3.14	225~255	2.83~3.21	23.0~28.0	2.9~3.5	TDK~FB3X
Y27H	370~400	3.7~4.0	205~250	2.58~3.14	210~255	2.64~3.21	25.0~29.0	3.1~3.7	IEC~25/22
Y28	370~400	3.7~4.0	175~210	2.20~2.64	180~220	2.26~2.77	26.0~30.0	3.3~3.8	IEC~26/18
Y30H-1	380~400	3.80~4.0	230~275	2.89~3.46	235~290	2.95~3.65	27.0~32.5	3.4~4.1	TDK~FB4B
Y30H-2	395~415	3.95~4.15	275~300	3.46~3.77	310~335	3.90~4.21	28.5~32.0	3.5~4.0	TDK~FB5H
Y32	400~420	4.0~4.2	160~190	2.01~2.38	165~195	2.07~2.45	30.0~33.5	3.8~4.2	TDK~FB4A
Y33	410~430	4.1~4.3	220~250	2.77~3.14	225~255	2.83~3.21	31.5~35.0	4.0~4.4	TDK~FB4X

产品展示 Product Exhibition



永磁铁氧体的磁性能 Magnetic Properties of Ferrite Magnet

材料 Material	剩磁 Remanence		矫顽力 Coercive Force		内禀矫顽力 Intrinsic Coercivity		最大磁能积 Maximum Energy Product		等方/异方性 Iso/Anisotropic	
	Br		Hcb		Hcj		(BH)max			
	T	KGs	KA/m	KOe	KA/m	KOe	KJ/m ³	MGOe		
Y10T/C1	0.200-0.235	2.00-2.35	125-160	1.57-2.01	210-280	2.64-3.52	6.5-9.5	0.8-1.2	等方性 Isotropic	
Y20	0.320-0.380	3.20-3.80	135-190	1.70-2.38	140-195	1.76-2.45	18.0-22.0	2.3-2.8		
Y22H	0.310-0.360	3.10-3.60	220-250	2.77-3.14	280-320	3.52-4.02	20.0-24.0	2.5-3.0		
Y23	0.320-0.370	3.20-3.70	170-190	2.14-2.38	190-230	2.39-2.89	20.0-25.5	2.5-3.2		
Y25	0.360-0.400	3.60-4.00	135-170	1.70-2.14	140-200	1.76-2.51	22.5-28.0	2.8-3.5		
Y26H	0.360-0.390	3.60-3.90	220-250	2.77-3.14	225-255	2.83-3.21	23.0-28.0	2.9-3.5		
Y27H	0.370-0.400	3.70-4.00	205-250	2.58-3.14	210-255	2.64-3.21	25.0-29.0	3.1-3.7		
Y30/C5	0.370-0.400	3.70-4.00	175-210	2.20-2.64	180-220	2.26-2.77	26.0-30.0	3.3-3.8		
Y30BH/C8	0.380-0.390	3.80-3.90	223-235	2.80-2.95	231-245	2.90-3.08	27.0-30.0	3.4-3.7		异方性 Anisotropic
Y30-1	0.380-0.400	3.80-4.00	230-275	2.89-3.46	235-290	2.95-3.65	27.0-32.0	3.4-4.0		
Y30-2	0.385-0.415	3.95-4.15	275-300	3.46-3.77	310-335	3.90-4.21	28.5-32.5	3.5-4.0		
Y32	0.400-0.420	4.00-4.20	160-190	2.01-2.38	165-195	2.07-2.45	30.0-33.5	3.8-4.2		
Y33	0.410-0.430	4.10-4.30	220-250	2.77-3.14	225-255	2.83-3.21	31.5-35.0	4.0-4.4		
Y35/C11	0.400-0.410	4.00-4.10	175-195	2.20-2.45	180-200	2.26-2.51	30.0-32.0	3.8-4.0		

用途

电机
扬声器
玩具
工艺品

Application

Motors
Speakers
Toys
Crafts

特点

成本低
矫顽力高
具有很强的抗腐蚀性和抗氧化性，
通常不需要作电镀处理。

Characteristics

Low cost
Higher coercive force
It needn't to be coated because it is
difficult to be corroded and oxidized.

