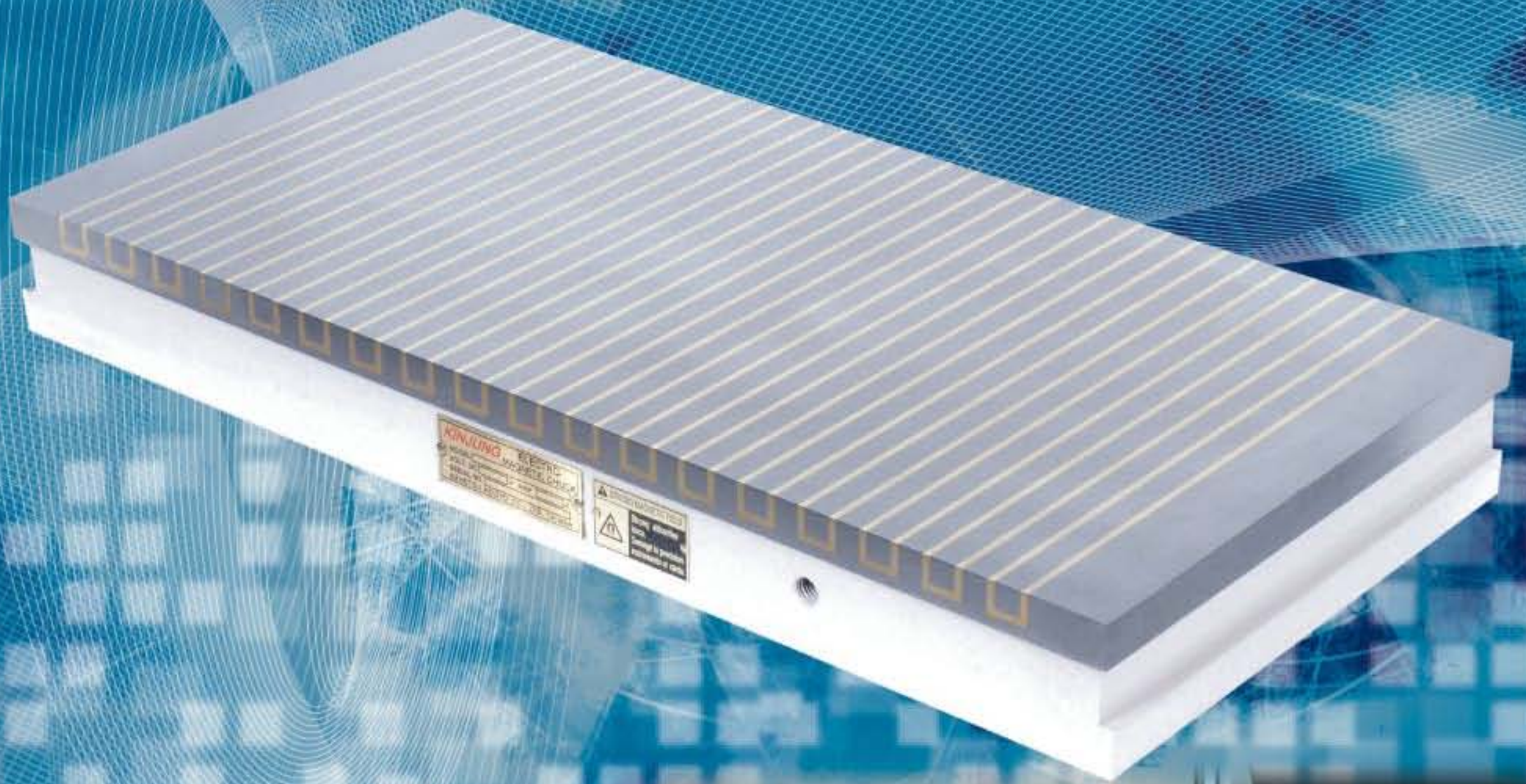




KANETSU KOGYO

MAGNETIC TOOLS





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磁性夾盤的類型及應用
Type and Application of Magnetic Chuck

電磁夾盤 Electro magnetic chuck	- 操作開關工件就可被吸著/卸下效率高。 - 連結夾盤與工具機可展現自動化加工。 - 吸著力可用電力控制。 - 容易做大型的夾盤。 - Very efficient since the work can be loaded/unloaded just by switching operation. - Automatically in machining process is realizable by interlocking the chuck with the machine tool. - Attraction is electrically controllable. - Easy to make larger type of chuck
永磁夾盤 Permanent Magnetic chuck	- 節省能源的類型，不需電源。不需要擔心電力不足或停電，可以維持較長時間的吸著力。 - 因為它不需電力，精密度不會因為溫升，時間改變而降低。 - 小型，但給予高磁力的效果。 - Energy-saving type, requiring no power source. No fear of power failure and can maintain its attractive condition for longer period of time. - The precision doesn't reduce due to the time change by temperature rise, since it requires no electric power. - Small, but gives high magnetic effect.
永電式磁盤 Electro Permanent Magnetic chuck	- 操作開關工件就可被吸著/卸下效率高。 - 節省能源，只需瞬間充磁就可裝卸加工物。 - 精密度不會因為時間改變或溫升而降低。 - 不會因為停電而發生事故。 - Very efficient since the work can be loaded/unloaded just by switching operation. - Energy saving, since electric power is used only momentarily for loading/unloading the work. - The precision doesn't vary due to time change, or by temperature. - Never any trouble due to suspension of power supply.

磁性夾盤之吸著力

吸著力依夾盤的型式，工件的材質質量、厚度、吸著面積、結構以及表面粗糙度而變化。下列圖表為代表性的例子；您可以參考典型的趨向，然而每個特定的夾盤有些許差異。務必要把工件放在N極和S極兩極上。

吸著力及磁極間隔

最理想的吸著情況，一般的參考是加工物的厚度應該是磁極間隔的2到4倍。
要穩固地吸住工件，工件應該同時被放在N極和S極兩極上方，工件必需超過3倍磁極間隔或更長。

Attraction of Magnetic Chuck

Attraction varies depending on the type of magnetic chuck, the material quality, thickness, area, configuration of workpieces, and their surface roughness. The following graphs show typical examples; you can reference them for the typical trend, however, each specific chuck is a bit different. Always position the workpiece over both N/S poles.

Attraction and Pitch between Poles

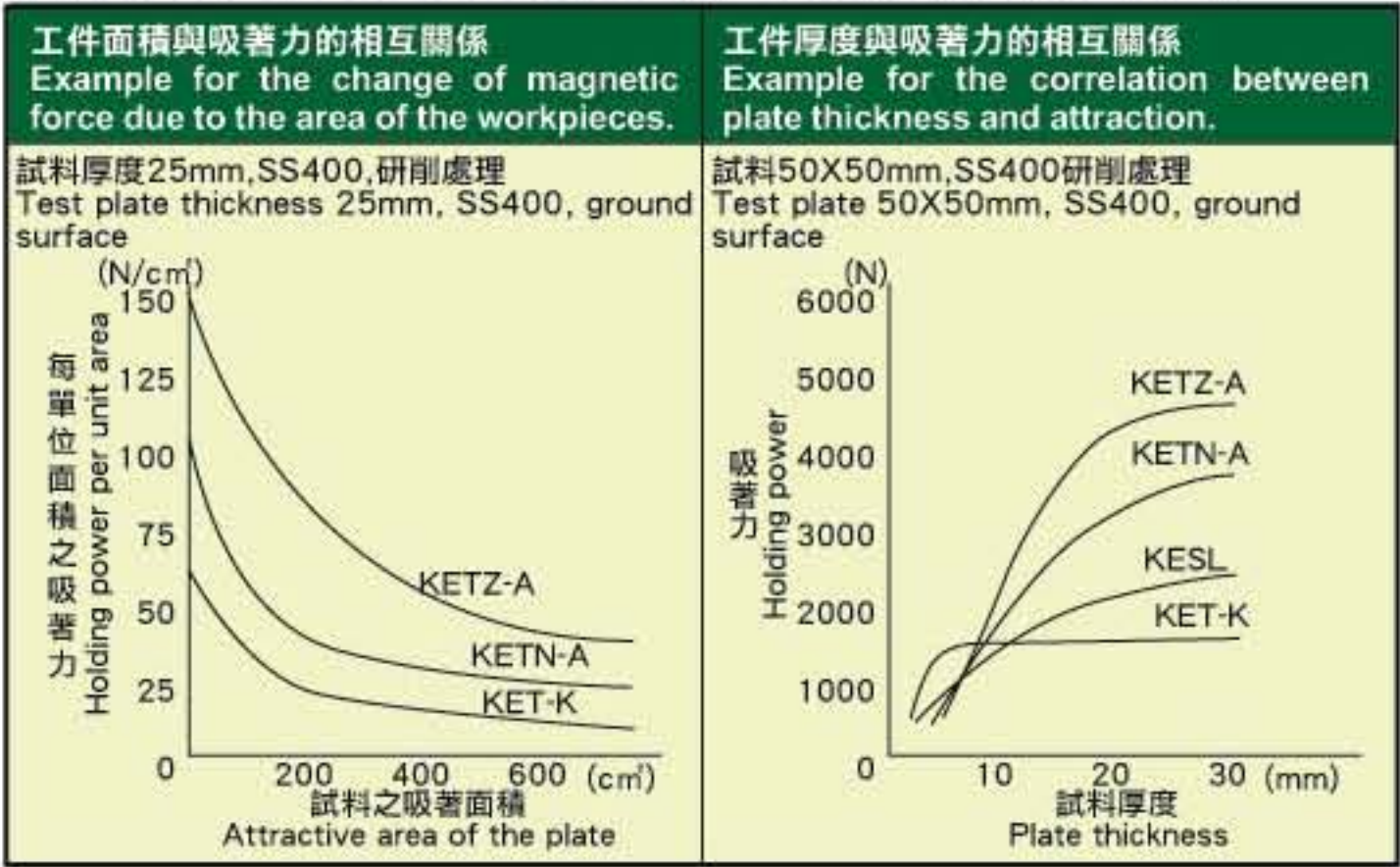
A general reference for optimum attracting condition is that the thickness of the work should be 2 to 4 times the pitch.
To attract the workpieces firmly, it should be placed over N pole and S pole, and accordingly, the workpieces must be over 3 times the pitch or longer.

材質及吸著力相對的關係(一般的夾盤)

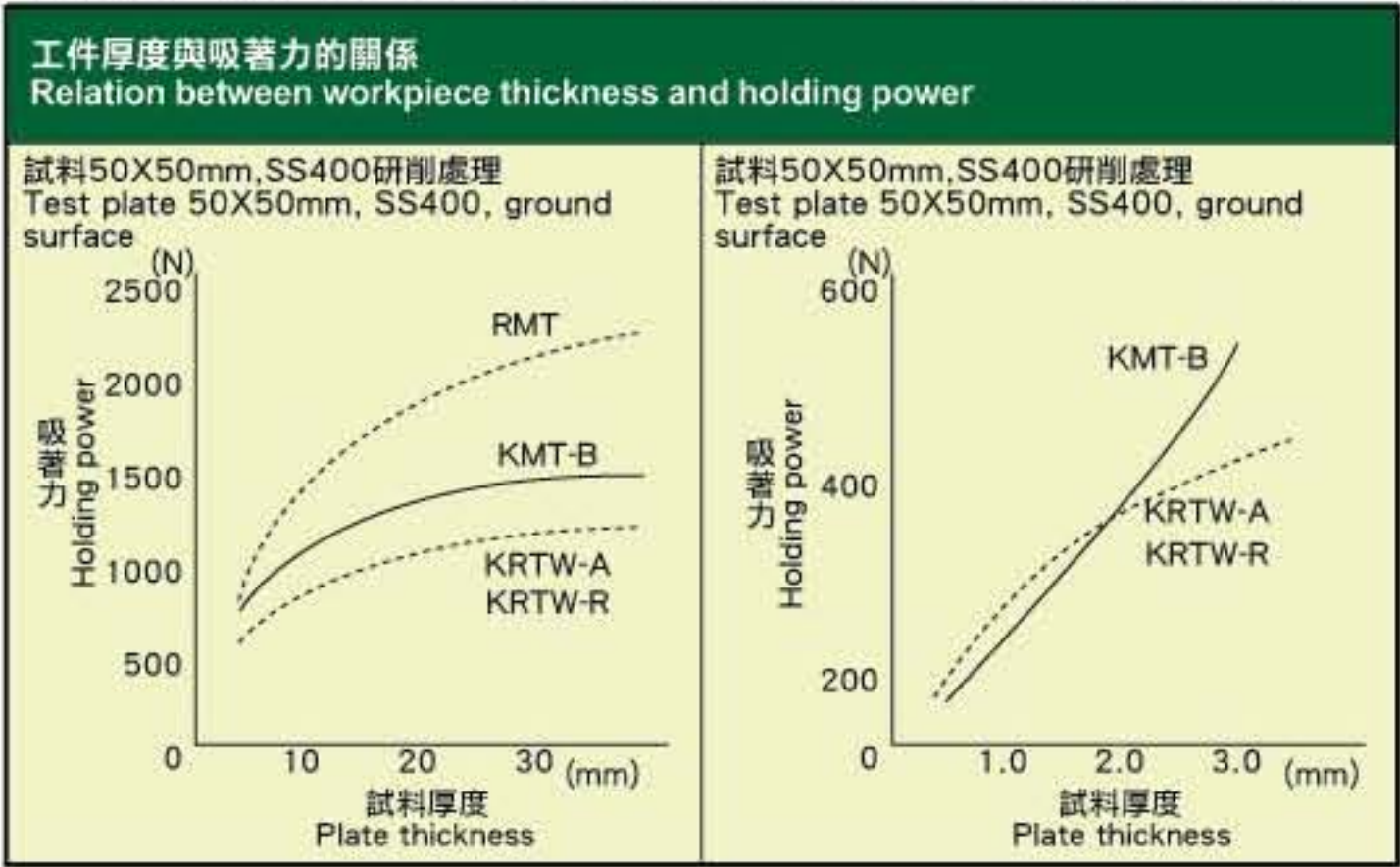
Relation between materials and Attraction (for Chucks in general)

材質質量在磁力方面的差異 Difference in attraction by material quality	吸著表面粗糙度對吸著力的影響 Difference in attraction by attractive surface roughness

吸著力的應用實例 (電磁夾盤) (1N≒0.1kgf)
Applicable Examples of Attraction (for Electromagnetic Chuck) (1N≒0.1kgf)



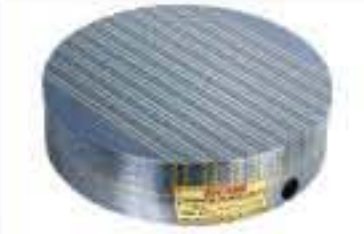
吸著力的應用實例 (永磁夾盤) (1N≒0.1kgf)
Applicable Example of Attraction (for Permanent Magnetic Chuck) (1N≒0.1kgf)



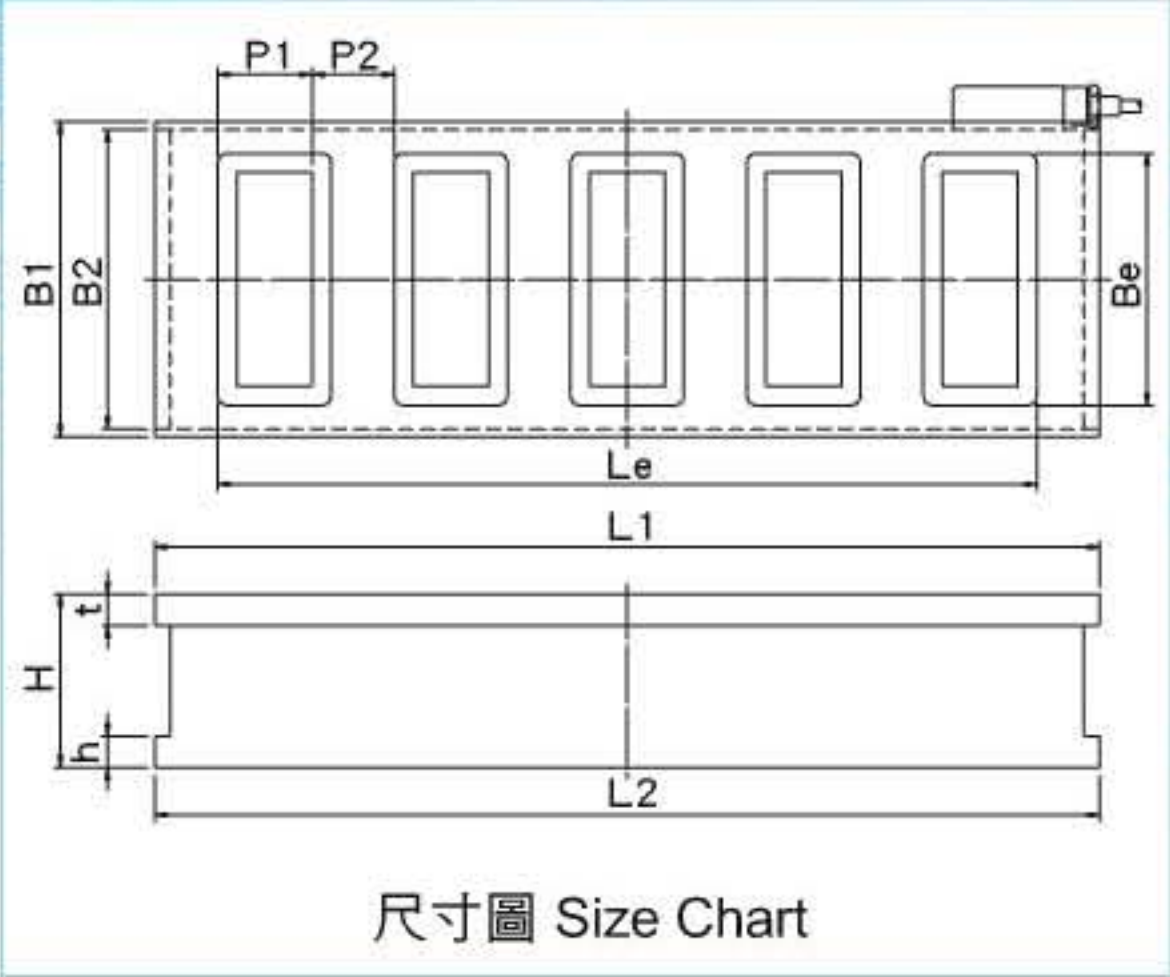
磁性夾盤類型 Type of Magnetic Chucks



鐘通工業股份有限公司
KANETSU KOGYO CO., LTD.

類型 Type	型式 Model	用途 Application	適用機種 Application Machine	
超強力型 Super Powerful Type	KETZ-A	高速切削 High speed cutting	銑床，鉋式銑床 成型機，鉋床 Milling machine Planomiller Shaper Planer	
強力波浪形 Powerful waveform type	KETN-A	切削 Cutting		
橫向微距型 Horizontal micropitch type	KESL	磨削，輕切削作業 Grinding, light cutting	磨床 Grinding Machine Mass-production saw blade grinder	
標準型 Standard type	KET-K	磨削 Grinding	磨床 Grinder	
微距型 Micropitch type	KETW-A	磨削，輕切削作業 Grinding, light cutting		
可傾標準型 Rotary standard type	KET-U	薄物磨削作業 Grinding thin work		
可傾微距型 Rotary micropitch type	KETW-U	薄物磨削作業 Grinding thin work		
角形 Rectangular type	RMT	薄物，厚物輕切削用 Universal grinding from thin to thick works	磨床，放電加工機 Grinder, electric discharge machine	
微距型角形 Rectangular Micropitch type	KRTW-A KRTW-S	小型加工物磨削 Very fine pitch for small piece grinding		
標準型角形 Standard rectangular type	KMT-B KMT-BS	磨削 Grinding	磨床 Grinder	
可傾型 Rotary type	KMT-BU			
可傾微距型 Rotary Micropitch type	KRTW-U			
圓形 Circular type	KPRM-R	切削，磨削 Cutting, grinding	磨床，車床 Grinder, lathe	
微距圓形 Circular Micropitch type	KRTW-R	薄物，厚物輕切削用 Universal grinding from thin to thick works		
超硬合金專用 Hi-Power Mini type	CMR	專用於鎢鋼，鈷鋼，鈦等超硬金屬材料 Specialize in hard metal such as tungsten carbide, cobalt steel and titanium.		

超強力電磁夾盤
Super Powerful Electro Magnetic Chuck
KETZ-A



用途:

對於銑床，成型機，鉋床及鉋式銑床作重切削最為有效，尤其在厚的工件，及高速切削工作時顯示其強大吸著力。

特性:

- 此超強力電磁夾盤是特別為重切削工作而設計。
夾盤的設計是為了容易安裝，配線及去除殘磁。
對工件厚度15mm以上及尺寸140mm×140mm以上的工件顯示強力的吸著力。

Application:

It is efficient for heavy cutting with milling machine, shaper, planer and planomiller. It shows the power for the thick workpieces and at the high-speed cutting operation.

Features:

- Super powerful electro magnetic chuck is specially designed for heavy cutting operation.
Designed for very easy mounting, wiring and elimination of residual magnetism.
Efficient to attract the workpieces with size in 140×140mm or larger with plate thickness of 15mm or thicker.

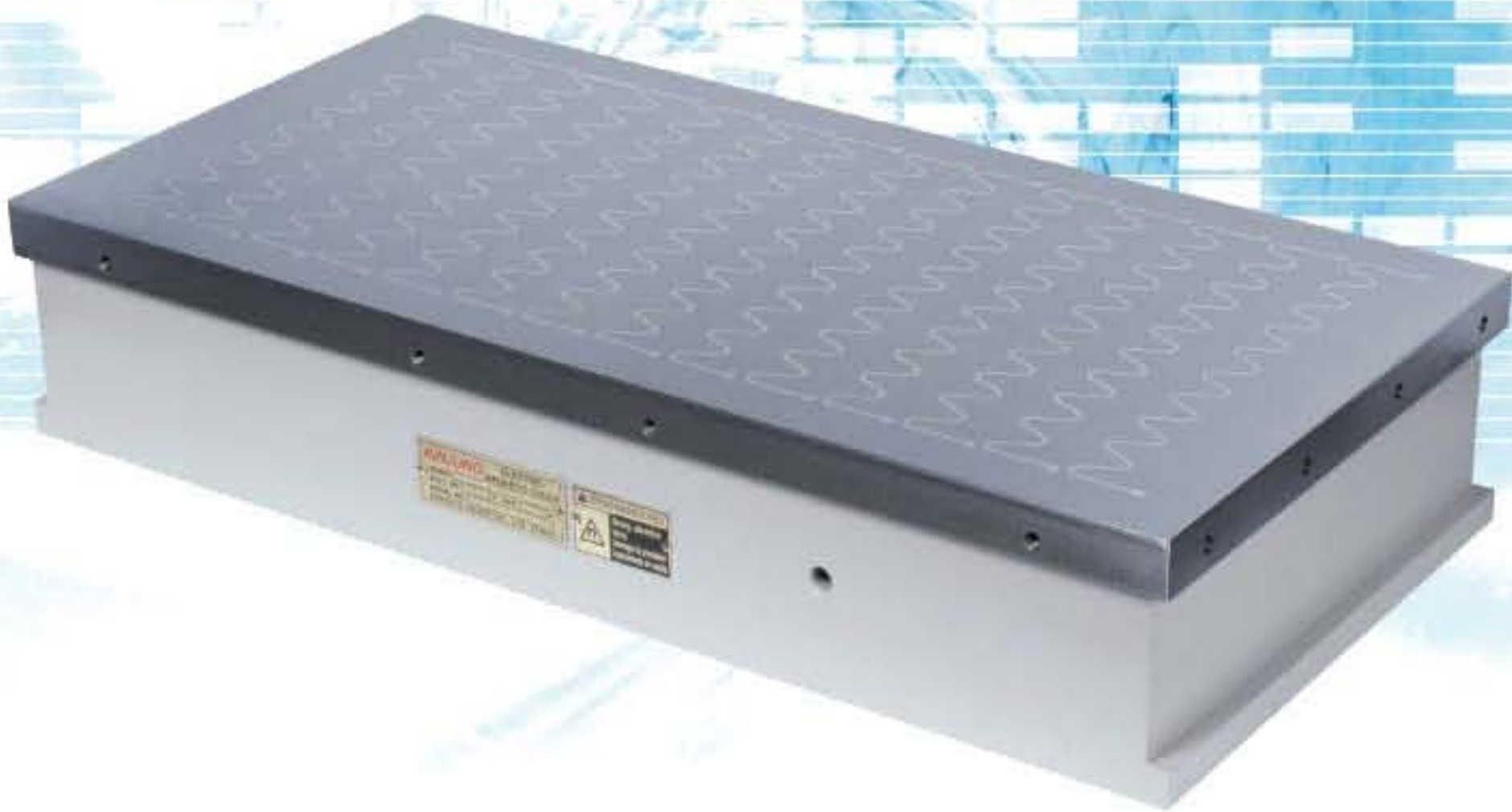
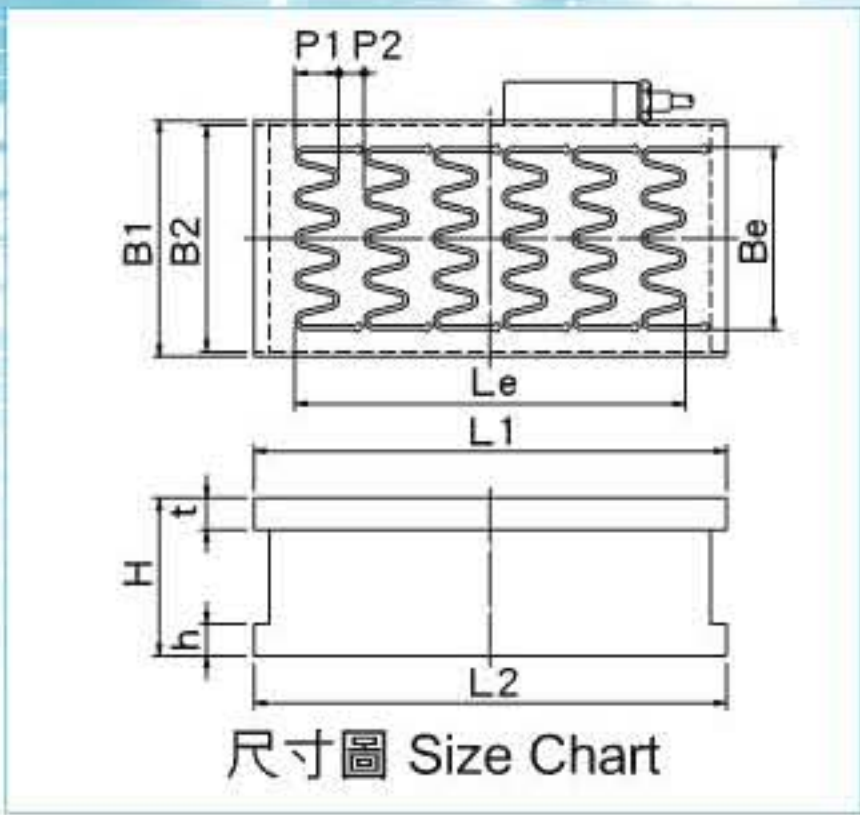
規格表 Specification Table

Table with 16 columns: Model, Nominal Dimension, Chucking Face (B1, L1, t, Le, Be), Pole Pitch (P1, P2), Chuck Mounting Part (B2, L2, h), Height (H), Voltage, Current, Weight. Rows include models KETZ-1530A through KETZ-60150A.

※除了上述外，尺寸可依需要訂做。
Size other than the above are available upon request.
※鐘通工業股份有限公司保有隨技術發展而衍生修改的權利。
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強力波浪形電磁夾盤
Powerful Waveform Electro Magnetic Chuck
KETN-A



用途:

對於銑床，成型機，鉋床及鉋式銑床作重切削最為有效，而整個夾盤之吸著力非常平均。

特性:

- 此電磁夾盤是特別為重切削加工而設計。
- 特別是為減少銑刀反方向的磁性影響而設計。
- 對於重切削專用而言，本公司有超強力電磁夾盤KETZ-A能夠提供強力吸著力，但是不適合使用在厚度15mm以下的工件。KETN-A在較薄的工件上也能夠發揮吸著力。

Application:

It is efficient for heavy cutting workpieces with milling machine, shaper, planer and planomiller. The magnetic force is evenly distributed over the entire attractive surface.

Features:

- This type of electro magnetic chuck is ideal for heavy cutting operations with its powerful attraction.
- Specially designed to minimize the adverse magnetic effect on cutter blades.
- KETN-A can hold workpieces with pate thickness thinner than 15mm as well which is not efficiently processed with KETZ-A.

規格表 Specification Table

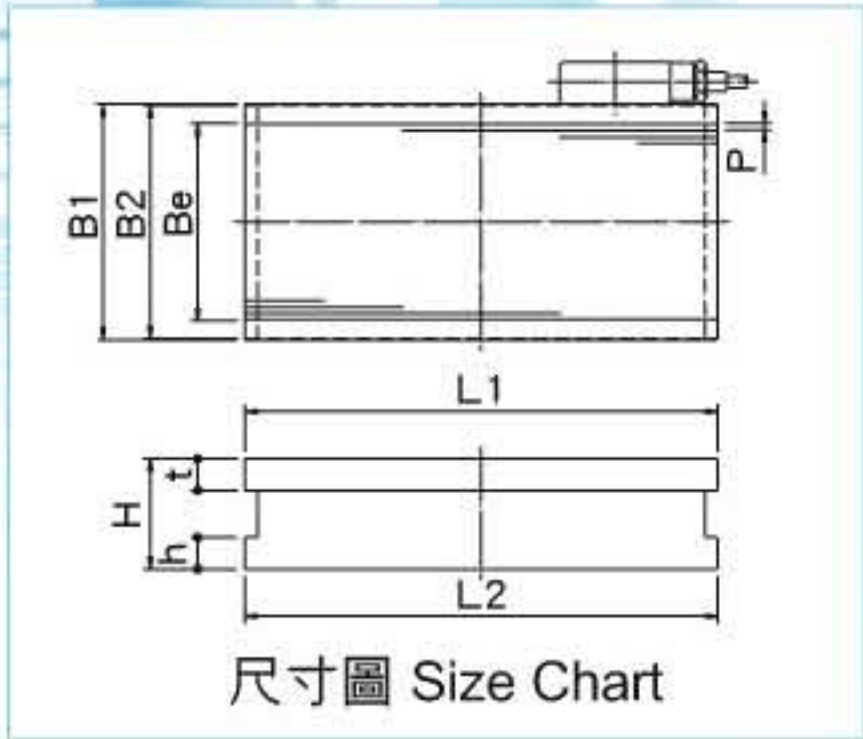
型式 Model	尺寸 Nominal Dimension	夾盤作業面 Chuckling Face					磁極間隔 Pole Pitch		夾盤基準面 Chuck Mounting Part			高度 Height	電壓 Voltage	電流 Current	重量 Weight
		B1	L1	t	Be	Le	P1	P2	B2	L2	h				
KETN-1530	150×300	150	300	20	116	248	28	16	144	300	20	100	DC90V	0.58A	27Kg
KETN-1545	150×450	150	450	20	116	406	28	16	144	450	20	100	DC90V	1.00A	41Kg
KETN-2050	200×500	200	500	25	152	442	28	18	194	500	20	120	DC90V	0.90A	72Kg
KETN-2550	250×500	250	500	25	180	442	28	18	240	500	20	120	DC90V	1.20A	90Kg
KETN-3060	300×600	300	600	25	246	548	28	12	290	600	20	120	DC90V	2.20A	120Kg
KETN-4080	400×800	400	800	25	342	742	28	14	390	800	20	120	DC90V	2.50A	230Kg
KETN-40100	400×1000	400	1000	25	342	941.5	28	15.5	390	1000	20	120	DC90V	2.70A	290Kg

※除了上述外，尺寸可依需要訂做。
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橫向微距型電磁夾盤
Horizontal Micropitch Electro Magnetic Chuck
KESL



用途:

此夾盤之銅方向走長邊方向。本電磁夾盤用途廣泛，無論工件是薄形或是厚的作磨削或輕切削均適合。尤其是對長的薄形工件的磨削或輕切削，以及拋光和砂輪磨光大量工件。

特性:

- 磁力比標準的電磁夾盤多30%，在研磨及輕切削之加工能發揮其強磁力。
- 夾盤在無影響磁力範圍內，厚度盡可能做的輕薄，使工件能有較大的空間安置於磨床上。
- 剛性高，精度變化少。

Application:

Polar patterns are pitched in longitudinal direction on this chuck. The KESL is designed for widespread machining process such as grinding and light cutting of various types of workpieces, regardless of its thickness. It is suitable for grinding, light cutting, buffing and belt-grinding long and thin work pieces in a large lot.

Features:

- Magnetic force increases by 30%. That is compared to the standard electro magnetic chuck and the chuck shows high power in grinding and light cutting operations.
- The chuck is constructed as thin as possible without affecting its capability, resulting in more workpieces mounting space on the grinder.
- Because of its rigidity, it can minimize and maintain its quality and precision change.

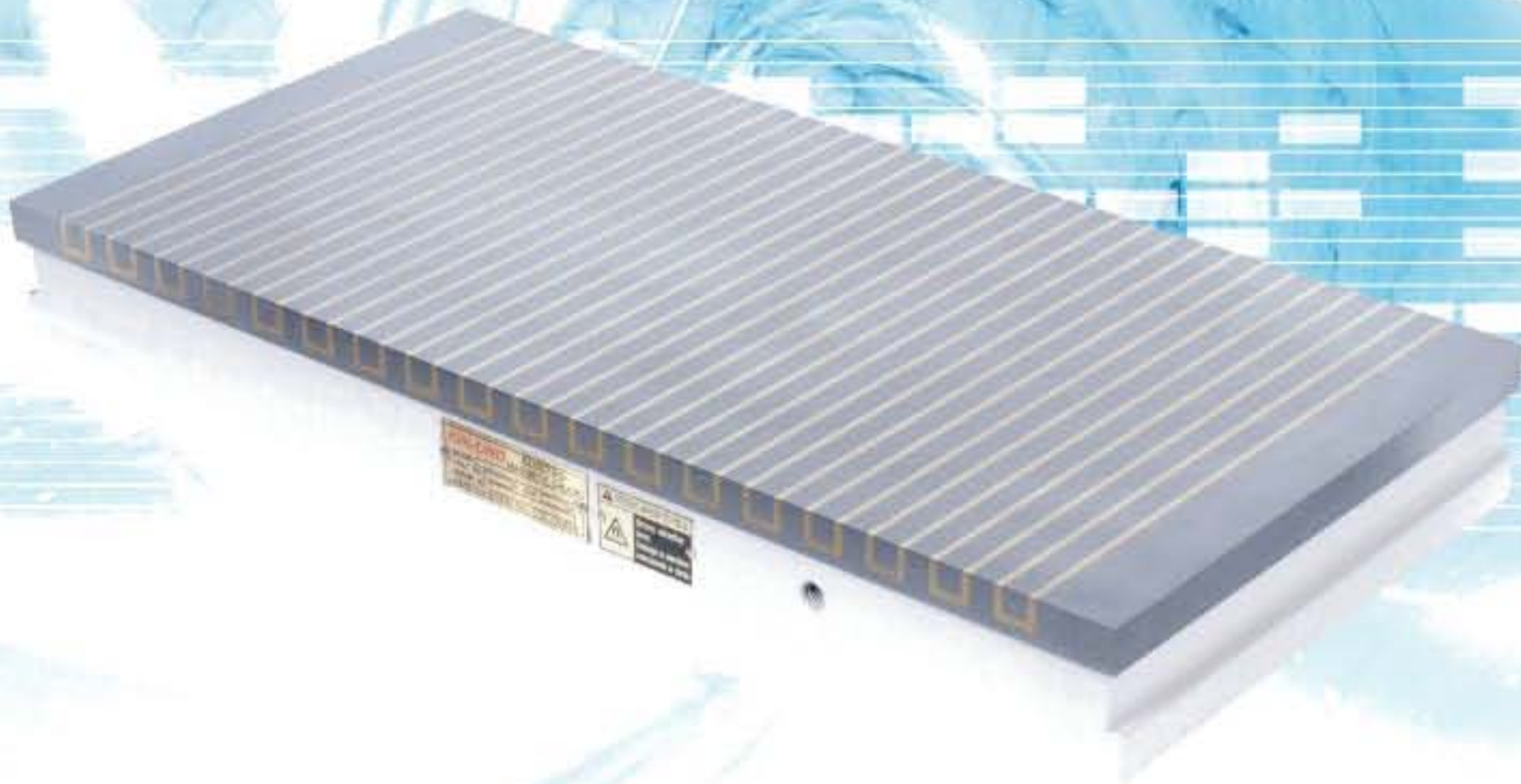
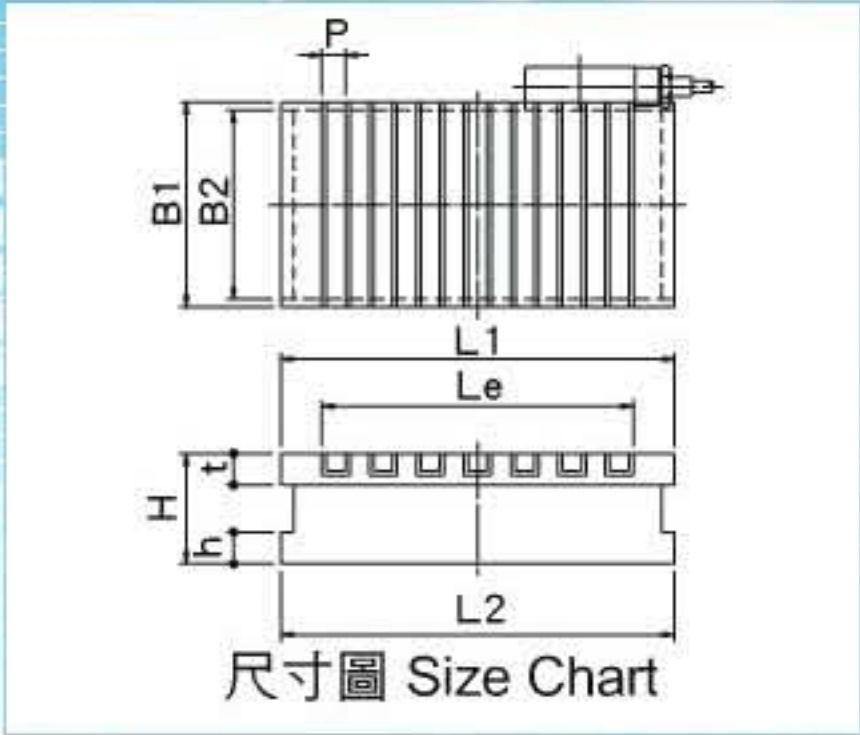
規格表 Specification Table

型式 Model	尺寸 Nominal Dimension	夾盤作業面 Chuckling Face				磁極間隔 Pole Pitch P	夾盤基準面 Chuck Mounting Part			高度 Height H	電壓 Voltage	電流 Current	重量 Weight
		B1	L1	t	Be		B2	L2	h				
KESL-1530	150×300	150	300	20	125	4(1+3)	148	300	20	70	DC115V	0.56A	19Kg
KESL-1535	150×350	150	350	20	125	4(1+3)	148	350	20	70	DC115V	0.72A	23Kg
KESL-1545	150×450	150	450	20	125	4(1+3)	148	450	20	70	DC115V	1.20A	29Kg
KESL-2040	200×400	200	400	20	173	4(1+3)	198	400	20	70	DC115V	0.68A	34Kg
KESL-2045	200×450	200	450	20	173	4(1+3)	198	450	20	70	DC115V	0.89A	38Kg
KESL-2050	200×500	200	500	20	173	4(1+3)	198	500	20	70	DC115V	1.10A	42Kg
KESL-2060	200×600	200	600	20	175	4(1+3)	198	600	20	70	DC115V	1.30A	51Kg
KESL-2550	250×500	250	500	27	225	4(1+3)	248	500	20	85	DC115V	1.36A	62Kg
KESL-3060	300×600	300	600	27	273	4(1+3)	298	600	20	85	DC115V	1.20A	98Kg
KESL-3070	300×700	300	700	27	273	4(1+3)	298	700	20	85	DC115V	1.50A	114Kg
KESL-3090	300×900	300	900	27	273	4(1+3)	298	900	20	85	DC115V	2.20A	146Kg
KESL-4060	400×600	400	600	27	373	4(1+3)	398	600	20	85	DC115V	1.75A	135Kg
KESL-4080	400×800	400	800	27	373	4(1+3)	398	800	20	85	DC115V	2.65A	180Kg

※除了上述外，尺寸可依需要訂做。 Size other than the above are available upon request. ※鐘通工業股份有限公司保有隨技術發展而衍生修改的權利。 KANETSU KOGYO CO., LTD. reserve the right to bring up any modification connected with the technological development.



標準型電磁夾盤
Standard Electro Magnetic Chuck
KET-K



用途:
最適合研削作業之標準型電磁夾盤。
特性:

- 高剛性，高精度
不同於常規焊接構造，本公司採用之製程能增加電磁夾盤之剛性，因此使時間上的品質與精度變化減到最低。
- 減少夾盤重量
減少夾盤重量使減少磨床工作台的負載，而增加床的耐久性。
- 低高度
夾盤高度減少到極限，因此可確保多樣工件之固定空間。

Application:
Suitable standard electro magnetic chuck of grinding operation.

- Features:
- High rigidity with high precision.
It is constructed by slotting the chuck top plate, and slotting the bottom case by our own processing method; this is unlike the conventional welding construction. Our method increases the rigidity of the electro magnetic chuck to minimize quality change in time and to improve the precision.
 - Succeeded in reducing the weight
The chuck weight was decreased as much as possible. This was in consideration to the factor regarding the table driving time of grinder.
 - Low height with powerful attraction
The chuck height is lowered to its limit, so as to enlarge the workpiece mounting space on the grinder.

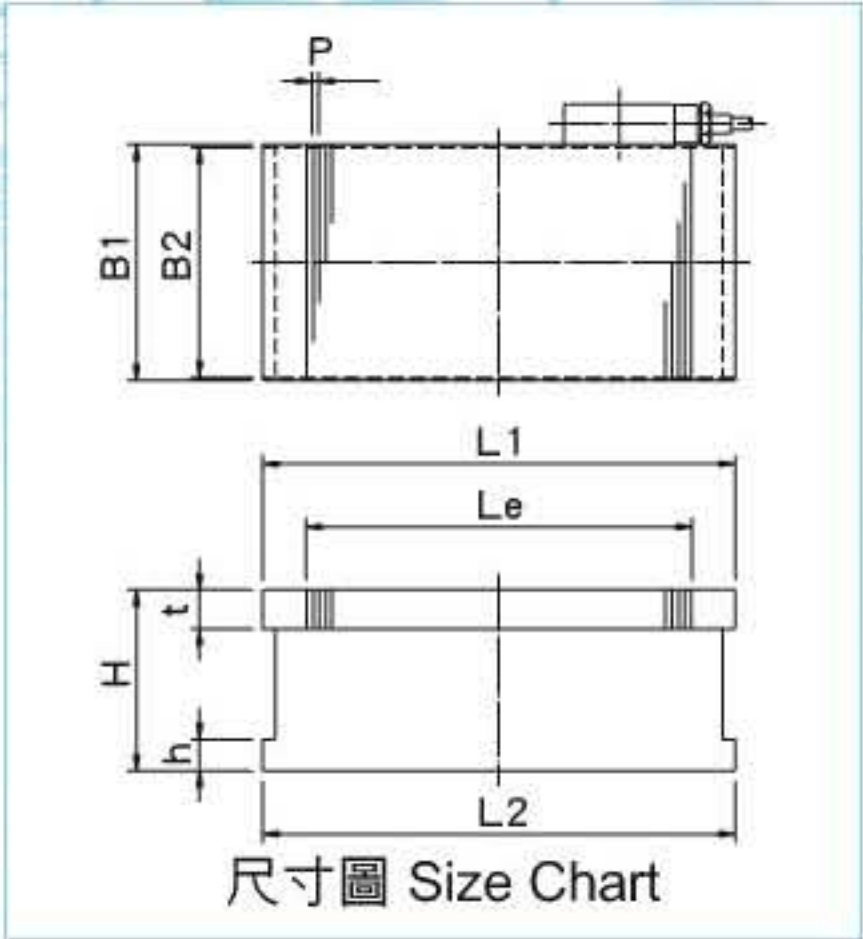
規格表 Specilication Table

型式 Model	尺寸 Nominal Dimension	夾盤作業面 Chucking Face				磁極間隔 Pole Pitch	夾盤基準面 Chuck Mounting Part			高度 Height	電壓 Voltage	電流 Current	重量 Weight
		B1	L1	t	Le		B2	L2	h				
KET-1530K	150×300	150	300	20	228	15(3+12)	140	300	20	70	DC90V	0.15A	21Kg
KET-1535K	150×350	150	350	20	288	15(3+12)	140	350	20	70	DC90V	0.23A	25Kg
KET-1540K	150×400	150	400	20	348	15(3+12)	140	400	20	70	DC90V	0.27A	29Kg
KET-1545K	150×450	150	450	20	378	15(3+12)	140	450	20	70	DC90V	0.24A	32Kg
KET-2040K	200×400	200	400	20	348	15(3+12)	190	400	20	70	DC90V	0.24A	38Kg
KET-2045K	200×450	200	450	20	378	15(3+12)	190	450	20	70	DC90V	0.35A	43Kg
KET-2050K	200×500	200	500	20	438	15(3+12)	190	500	20	70	DC90V	0.33A	47Kg
KET-2550K	250×500	250	500	20	438	15(3+12)	240	500	20	70	DC90V	0.60A	67Kg
KET-2560K	250×600	250	600	20	528	15(3+12)	240	600	20	70	DC90V	0.69A	80Kg
KET-3060K	300×600	300	600	20	528	15(3+12)	290	600	20	70	DC90V	0.88A	97Kg
KET-3070K	300×700	300	700	20	618	15(3+12)	290	700	20	70	DC90V	1.00A	111Kg
KET-3090K	300×900	300	900	20	828	15(3+12)	290	900	20	70	DC90V	1.28A	145Kg
KET-4060K	400×600	400	600	25	516	19(3+16)	390	600	20	80	DC90V	0.80A	137Kg
KET-4070K	400×700	400	700	25	630	19(3+16)	390	700	20	80	DC90V	0.90A	162Kg
KET-4080K	400×800	400	800	25	744	19(3+16)	390	800	20	80	DC90V	1.06A	182Kg
KET-40100K	400×1000	400	1000	25	934	19(3+16)	390	1000	20	80	DC90V	1.37A	228Kg
KET-50100K	500×1000	500	1000	25	934	19(3+16)	490	1000	20	80	DC90V	1.16A	285Kg
KET-50120K	500×1200	500	1200	25	1124	19(3+16)	490	1200	20	80	DC90V	1.20A	342Kg
KET-50150K	500×1500	500	1500	25	1428	19(3+16)	490	1500	20	80	DC90V	1.70A	428Kg
KET-60100K	600×1000	600	1000	25	934	19(3+16)	590	1000	20	80	DC90V	1.80A	342Kg
KET-60120K	600×1200	600	1200	25	1124	19(3+16)	590	1200	20	80	DC90V	2.20A	411Kg
KET-60150K	600×1500	600	1500	25	1428	19(3+16)	590	1500	20	80	DC90V	2.30A	513Kg

※除了上述外，尺寸可依需要訂做。 Size other than the above are available upon request.
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微距型電磁夾盤
Micropitch Electro Magnetic Chuck
KETW-A



用途:

適合磨削及切削薄的工件。工件應超過40mm長度，且應放置與銅條垂直之方向加工。

特性:

特性:

除了研磨薄的工件以外，夾盤對切削作業也有效。

Application:

It is suitable for grinding and cutting operation of a thin workpieces. In this case, a workpiece should have length exceeding 40mm and be attracted in the longitudinal direction.

Features:

Besides the grinding of a thin workpiece, it is also efficient for cutting operation.

規格表 Specilication Table

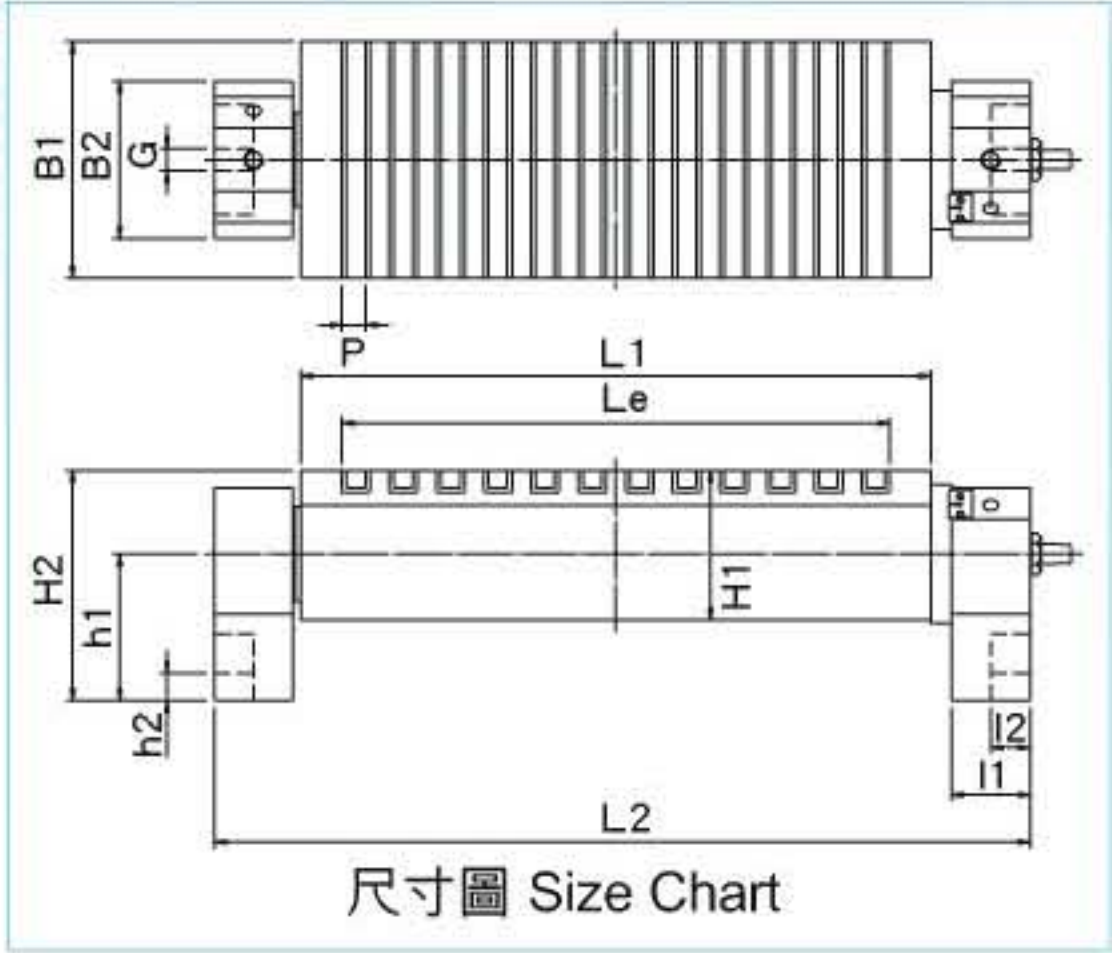
型式 Model	尺寸 Nominal Dimension	夾盤作業面 Chucking Face				磁極間隔 Pole Pitch	夾盤基準面 Chuck Mounting Part			高度 Height	電壓 Voltage	電流 Current	重量 Weight
		B1	L1	t	Le		B2	L2	h				
KETW-1530A	150×300	150	300	25	245	4(1+3)	146	300	20	115	DC90V	0.62A	34Kg
KETW-1535A	150×350	150	350	25	293	4(1+3)	146	350	20	115	DC90V	0.77A	39Kg
KETW-1545A	150×450	150	450	25	393	4(1+3)	146	450	20	115	DC90V	0.80A	50Kg
KETW-2040A	200×400	200	400	25	345	4(1+3)	196	400	20	115	DC90V	1.16A	59Kg
KETW-2045A	200×450	200	450	25	393	4(1+3)	196	450	20	115	DC90V	1.29A	67Kg
KETW-2050A	200×500	200	500	25	445	4(1+3)	196	500	20	115	DC90V	1.40A	76Kg
KETW-2060A	200×600	200	600	25	545	4(1+3)	196	600	20	115	DC90V	1.60A	87Kg
KETW-2550A	250×500	250	500	25	445	4(1+3)	246	500	20	115	DC90V	1.70A	92Kg
KETW-2560A	250×600	250	600	25	545	4(1+3)	246	600	20	115	DC90V	1.84A	112Kg
KETW-3060A	300×600	300	600	25	545	4(1+3)	296	600	20	115	DC90V	2.00A	135Kg
KETW-3070A	300×700	300	700	25	645	4(1+3)	296	700	20	115	DC90V	2.40A	158Kg
KETW-3570A	350×700	350	700	25	645	4(1+3)	346	700	20	115	DC90V	2.90A	184Kg
KETW-4080A	400×800	400	800	25	745	4(1+3)	396	800	20	120	DC90V	3.00A	238Kg

※除了上述外，尺寸可依需要訂做。
Size other than the above are available upon request.

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可傾標準型電磁夾盤
Rotary Standard Electro Magnetic Chuck
KET-U



用途:

最適合夾具與模具之各種角度之精密磨削。

特性:

- 容易操作，可隨意轉換角度。
- 夾盤具有刻度的旋轉軸，可隨意轉換任何角度。

Application:

It is suitable for grinding jig and mold in various angles.

Features:

- It is easy to handle and to change its angle.
- The chuck has the rotary shaft with graduation and you can set any angle conveniently.

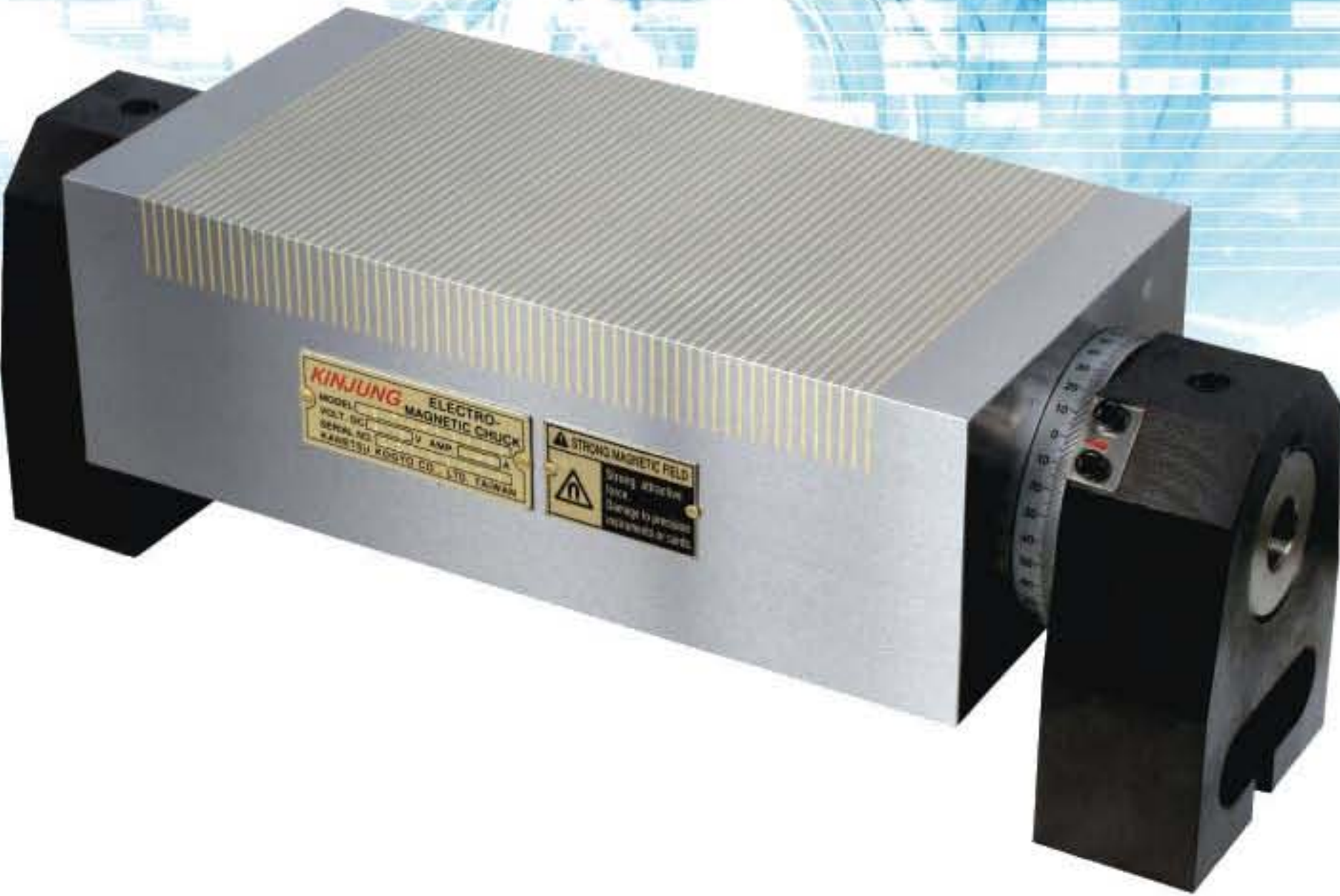
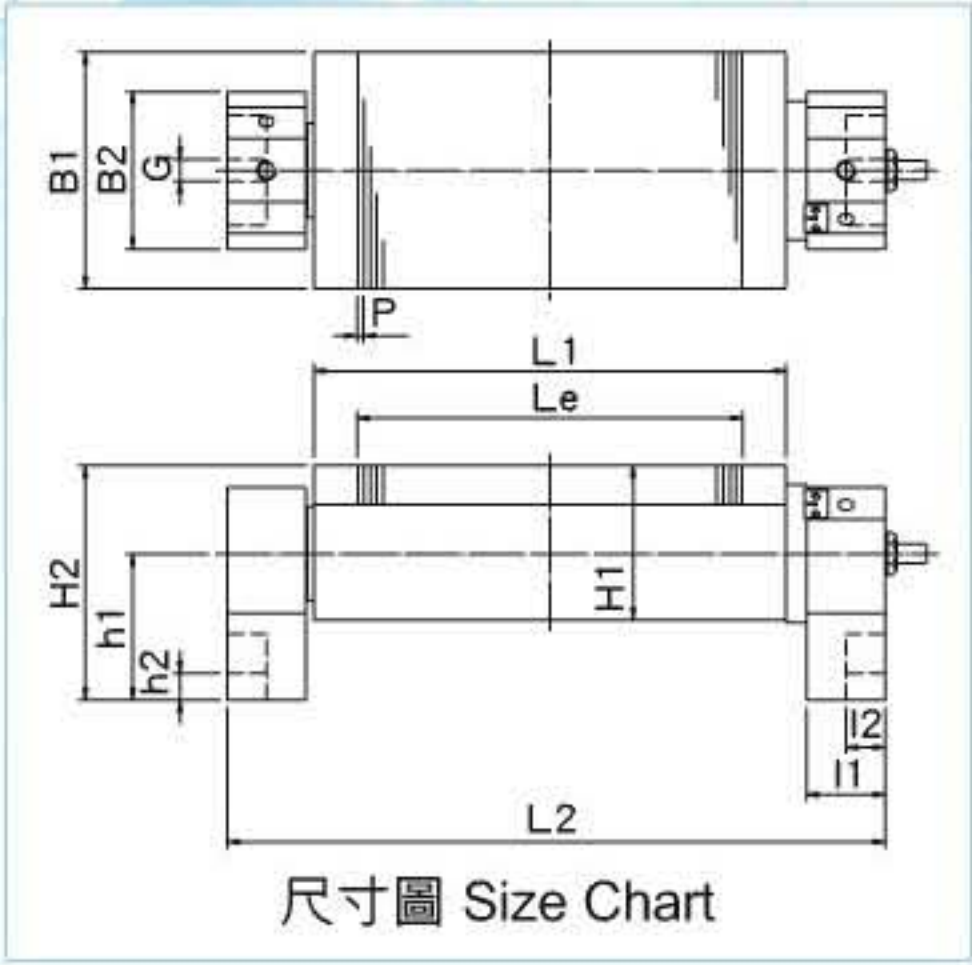
規格表 Specilication Table

型式 Model	尺寸 Nominal Dimension	夾盤作業面 Chuckling Face				磁極間隔 Pole Pitch P	夾盤基準面 Chuck Mounting Part						全長 Overall Length L2	全高 Overall Height H2	電壓 Voltage	電流 Current	重量 Weight
		B1	L1	Le	H1		B2	I1	I2	G	h1	h2					
KET-1025U	100×250	100	250	198	95	15(3+12)	100	50	25	14	93	17	368	146	DC90V	0.19A	21Kg
KET-1325U	125×250	125	250	198	95	15(3+12)	100	50	25	14	93	17	368	146	DC90V	0.16A	27Kg
KET-1530U	150×300	150	300	228	95	15(3+12)	100	50	25	14	93	17	418	146	DC90V	0.15A	37Kg
KET-1535U	150×350	150	350	288	95	15(3+12)	100	50	25	14	93	17	468	146	DC90V	0.23A	43Kg
KET-1540U	150×400	150	400	348	95	15(3+12)	100	50	25	14	93	17	518	146	DC90V	0.27A	50Kg
KET-1545U	150×450	150	450	378	95	15(3+12)	100	50	25	14	93	17	568	146	DC90V	0.24A	56Kg
KET-2050U	200×500	200	500	438	95	15(3+12)	100	50	25	14	122	17	618	175	DC90V	0.33A	76Kg
KET-2060U	200×600	200	600	528	95	15(3+12)	100	50	25	14	122	17	718	175	DC90V	0.42A	91Kg

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可傾微距型電磁夾盤
Rotary Micropitch Electro Magnetic Chuck
KETW-U



用途:

適用於高精度之傾斜磨削加工。

特性:

- 夾盤具有刻度的旋轉軸，可隨意轉換任何角度。
- 此微距夾盤有良好磁距設計非常適用於小型及薄的工件角度磨削。

Application:

It is suitable for angle grinding on the grinder.

Features:

- The graduated rotary shaft makes it easy to grind at any angle.
- Fine-pitched magnetic poles on this micropitch model make it ideally suitable for angle grinding of small and thin workpieces.

規格表 Specilication Table

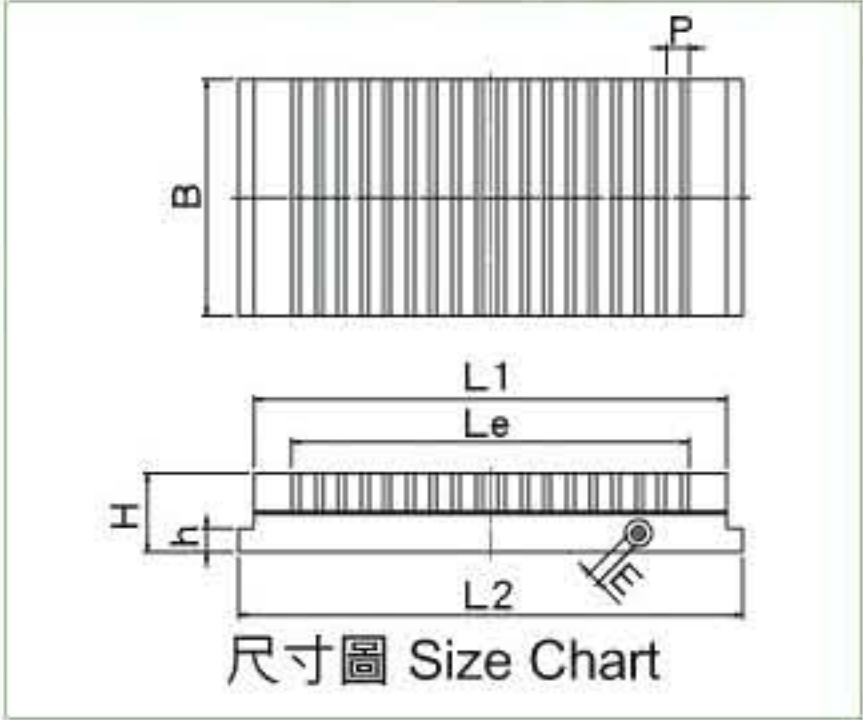
型式 Model	尺寸 Nominal Dimension	夾盤作業面 Chuckling Face				磁極間隔 Pole Pitch P	夾盤基準面 Chuck Mounting Part						全長 Overall Length L2	全高 Overall Height H2	電壓 Voltage	電流 Current	重量 Weight
		B1	L1	Le	H1		B2	I1	I2	G	h1	h2					
KETW-1530U	150×300	150	300	245	98	4(1+3)	100	50	25	14	93	17	418	149	DC90V	0.62A	37Kg
KETW-1535U	150×350	150	350	293	98	4(1+3)	100	50	25	14	93	17	468	149	DC90V	0.77A	43Kg
KETW-1545U	150×450	150	450	393	98	4(1+3)	100	50	25	14	93	17	568	149	DC90V	0.80A	56Kg
KETW-1550U	150×500	150	500	445	98	4(1+3)	100	50	25	14	93	17	618	149	DC90V	1.20A	62Kg
KETW-2040U	200×400	200	400	345	98	4(1+3)	100	50	25	14	93	17	518	178	DC90V	1.16A	61Kg
KETW-2045U	200×450	200	450	393	98	4(1+3)	100	50	25	14	93	17	568	178	DC90V	1.29A	69Kg

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角形永磁夾盤
Rectangular Permanent Magnetic Chuck
RMT



用途:

重磨削，輕切削作業，均可使用，角形永磁夾盤，在液體中亦可使用。

特性:

- 重量較輕，厚度薄。
- 本永磁夾盤具有堅固的本體，而由於這剛性它能有高精度的作業面。
- 工件無論厚薄均可適用。

Application:

It is suitable to the heavy grinding and light cutting operations. It also can be operated in liquid.

Features:

- It is lighter and thinner.
- This type of permanent magnetic chuck has rigid body structure and it provides a high precision chucking face.
- The chuck is suitable for any process, whether the workpiece is thin or thick.

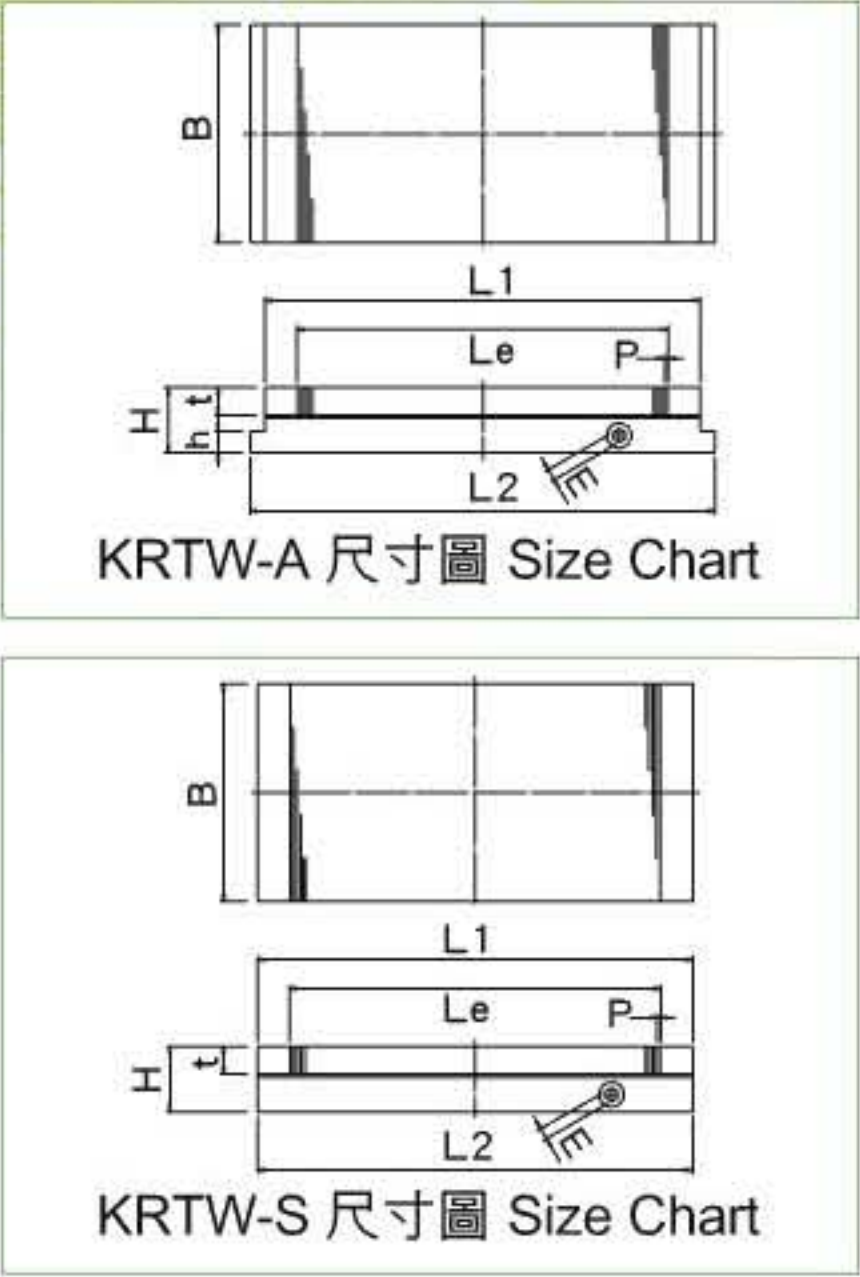
規格表 Specilication Table

型式 Model	尺寸 Nominal Dimension	夾盤作業面 Chucking Face			磁極間隔 Pole Pitch	夾盤基準面 Chuck Mounting Part			高度 Height	六角孔 Hexagonal Handle hole	重量 Weight
		B	L1	Le		B	L2	h			
RMT-1018	100×175	100	175	137	14.5(1.5+3.2+1.5+8.3)	100	195	15	50	8	7.0Kg
RMT-1025	100×250	100	250	210	14.5(1.5+3.2+1.5+8.3)	100	270	15	50	8	9.5Kg
RMT-1030	100×300	100	300	253	14.5(1.5+3.2+1.5+8.3)	100	320	15	50	8	11.5Kg
RMT-1325	125×250	125	250	210	14.5(1.5+3.2+1.5+8.3)	125	270	15	50	8	12.0Kg
RMT-1515	150×150	150	150	108	14.5(1.5+3.2+1.5+8.3)	150	170	15	50	8	8.5Kg
RMT-1530	150×300	150	300	253	14.5(1.5+3.2+1.5+8.3)	150	320	15	50	8	17.0Kg
RMT-1535	150×350	150	350	296	14.5(1.5+3.2+1.5+8.3)	150	370	15	50	8	20.0Kg
RMT-1545	150×450	150	450	354	14.5(1.5+3.2+1.5+8.3)	150	470	15	50	8	25.0Kg
RMT-2035	200×350	200	350	296	14.5(1.5+3.2+1.5+8.3)	200	370	15	50	8	26.0Kg
RMT-2040	200×400	200	400	354	14.5(1.5+3.2+1.5+8.3)	200	420	15	50	8	30.0Kg
RMT-2045	200×450	200	450	398	14.5(1.5+3.2+1.5+8.3)	200	470	15	50	8	33.0Kg
RMT-2050	200×500	200	500	441	14.5(1.5+3.2+1.5+8.3)	200	520	15	50	8	37.0Kg
RMT-2060	200×600	200	600	543	14.5(1.5+3.2+1.5+8.3)	200	620	15	50	8	45.0Kg

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微距型角形永磁夾盤
Rectangular Micropitch Permanent Magnetic Chuck

KRTW-A/KRTW-S



- 用途:
- 微距型永磁夾盤，厚度45mm，在磨削及放電加工上無論薄的或較小的工件都能有效發揮吸著力。其特色夾盤面有效磁力範圍面積廣大。
- 特性:
- 重量輕，厚度薄，適合多種用途。
 - 此微距型永磁夾盤有良好磁距設計，非常適用於小型或薄的工件。
 - 夾盤開關採六角扳手ON/OFF轉換，操作與抽取工件容易。
 - 夾盤面比其他類似之夾盤有較寬大的有效磁力範圍。

- Application:
- Lower height permanent magnetic chuck has 45mm thickness, and it is suitable for grinding and electric discharging process of thin plate or small workpieces. It features a wide effective magnetic area on the chucking face.
- Features:
- Thin and light weight to meet versatile machining process.
 - The micropitch permanent magnetic chuck that has fine-Pitched magnetic poles, makes it ideally suitable for small and thin workpieces.
 - Hexagonal wrench key is used for the On/Off switch and it is easy to operates and remove.
 - The chuck surface has a wider effective magnetic area than other similar type of permanent magnetic chucks.

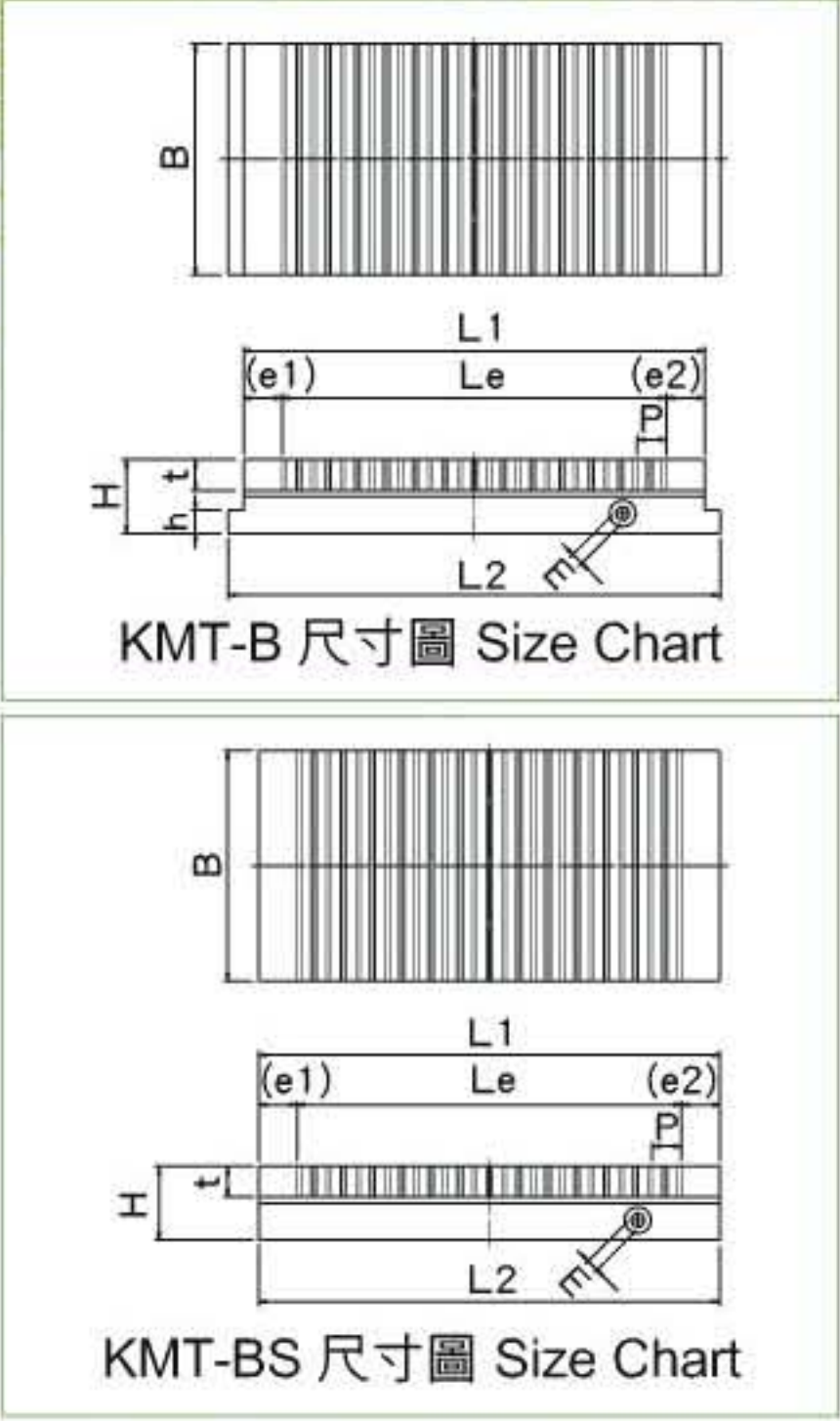
規格表 Specilication Table

型式 Model	尺寸 Nominal Dimension	夾盤作業面 Chucking Face				磁極間隔 Pole Pitch	夾盤基準面 Chuck Mounting Part			高度 Height	六角孔 Hexagonal Handle hole	重量 Weight
		B	L1	Le	t		B	L2	h			
KRTW-1018A	100×175	100	175	146	19	2.5(1+1.5)	100	195	15	45	8	6.0Kg
KRTW-1515A	150×150	150	150	121	19	2.5(1+1.5)	150	170	15	45	8	8.0Kg
KRTW-1530A	150×300	150	300	256	19	2.5(1+1.5)	150	320	15	45	8	16.0Kg
KRTW-1535A	150×350	150	350	306	19	2.5(1+1.5)	150	370	15	45	8	18.5Kg
KRTW-1540A	150×400	150	400	356	19	2.5(1+1.5)	150	420	15	45	8	21.0Kg
KRTW-1545A	150×450	150	450	406	19	2.5(1+1.5)	150	470	15	45	8	24.0Kg
KRTW-2035A	200×350	200	350	306	19	2.5(1+1.5)	200	370	15	45	8	25.0Kg
KRTW-2040A	200×400	200	400	356	19	2.5(1+1.5)	200	420	15	45	8	28.5Kg
KRTW-2045A	200×450	200	450	406	19	2.5(1+1.5)	200	470	15	45	8	32.0Kg
KRTW-2050A	200×500	200	500	456	19	2.5(1+1.5)	200	520	15	45	8	36.0Kg
KRTW-2060A	200×600	200	600	556	19	2.5(1+1.5)	200	620	15	45	8	43.0Kg
KRTW-1018S	100×175	100	175	146	19	2.5(1+1.5)	100	175	-	45	8	5.5Kg
KRTW-1515S	150×150	150	150	121	19	2.5(1+1.5)	150	150	-	45	8	7.5Kg
KRTW-1530S	150×300	150	300	256	19	2.5(1+1.5)	150	300	-	45	8	15.5Kg

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標準型角形永磁夾盤
Standard Rectangular Permanent Magnetic Chuck

KMT-B/KMT-BS



永磁夾盤
Permanent Magnetic Chuck

- 用途:
最適合磨削作業之標準型永磁夾盤。
- 特性:
• 手柄輕，操作容易。
• 有效磁力範圍面積增大。

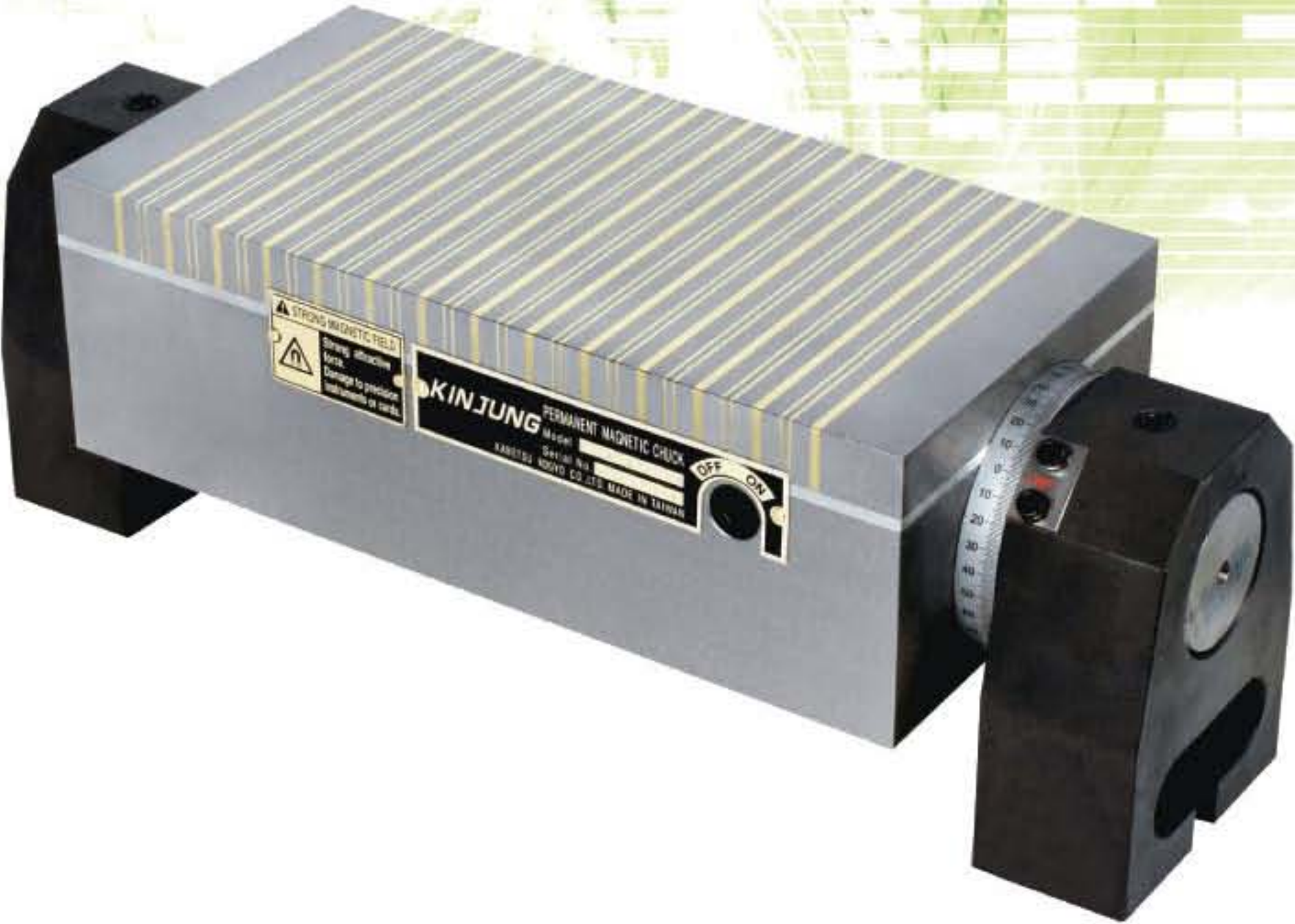
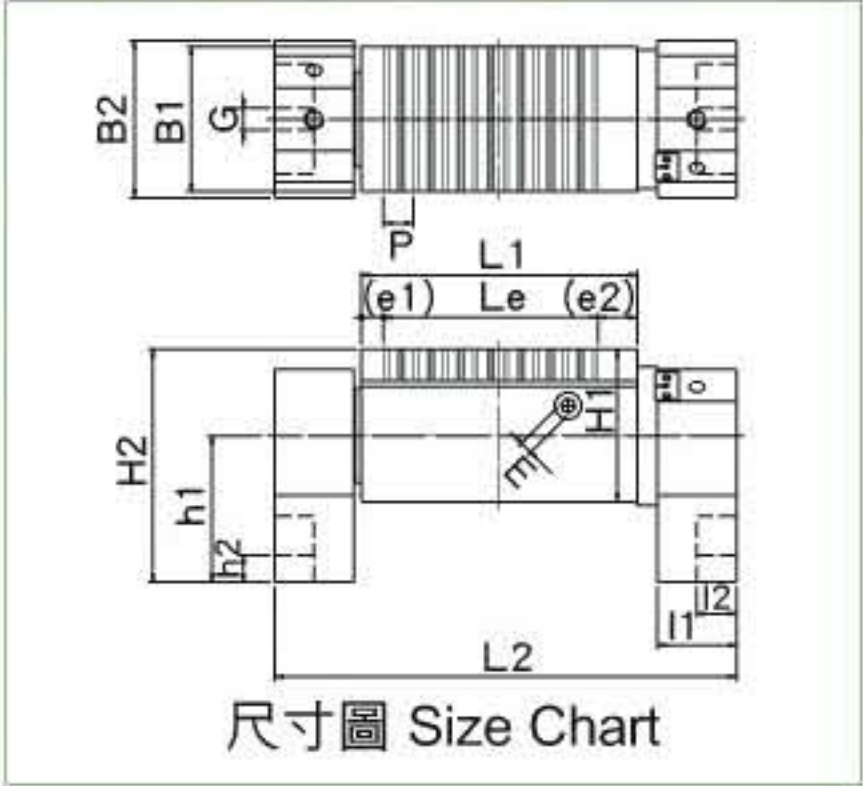
- Application:
It is suitable for grinding operation, of standard permanent magnetic chuck.
- Features:
• Handle can be operated lightly.
• Magnetic effective area is enlarged.

規格表 Specilication Table

型式 Model	尺寸 Nominal Dimension	夾盤作業面 Chucking Face						磁極間隔 Pole Pitch P	夾盤基準面 Chuck Mounting Part			高度 Height H	六角孔 Hexagonal Handle hole E	重量 Weight
		B	L1	Le	t	e1	e2		B	L2	h			
KMT-1018B	100×175	100	175	136	20	14	25	19(3+6+1+2+1+6)	100	195	15	48	8	6.5Kg
KMT-1025B	100×250	100	250	212	20	13	25	19(3+6+1+2+1+6)	100	270	15	48	8	8.0Kg
KMT-1030B	100×300	100	300	250	20	25	25	19(3+6+1+2+1+6)	100	320	15	48	8	10.0Kg
KMT-1325B	125×250	125	250	212	20	13.7	24.3	19(3+6+1+2+1+6)	125	270	15	48	8	10.5Kg
KMT-1515B	150×150	150	150	117	20	9	24	19(3+6+1+2+1+6)	150	170	15	48	8	7.5Kg
KMT-1530B	150×300	150	300	250	20	25	25	19(3+6+1+2+1+6)	150	320	15	48	8	16.0Kg
KMT-1535B	150×350	150	350	307	20	18.5	24.5	19(3+6+1+2+1+6)	150	370	15	48	8	18.5Kg
KMT-1540B	150×400	150	400	345	20	27.5	27.5	19(3+6+1+2+1+6)	150	420	15	48	8	21.5Kg
KMT-1545B	150×450	150	450	402	20	24	24	19(3+6+1+2+1+6)	150	470	15	48	8	25.0Kg
KMT-2035B	200×350	200	350	307	20	18.5	24.5	19(3+6+1+2+1+6)	200	370	15	48	8	25.0Kg
KMT-2040B	200×400	200	400	345	20	27.5	27.5	19(3+6+1+2+1+6)	200	420	15	48	8	29.5Kg
KMT-2045B	200×450	200	450	402	20	17	31	19(3+6+1+2+1+6)	200	470	15	48	8	32.5Kg
KMT-2050B	200×500	200	500	459	20	16.5	24.5	19(3+6+1+2+1+6)	200	520	15	48	8	36.5Kg
KMT-2060B	200×600	200	600	554	20	19.6	26.4	19(3+6+1+2+1+6)	200	620	15	48	8	44.0Kg
KMT-2550B	250×500	250	500	459	20	16.5	24.5	19(3+6+1+2+1+6)	250	520	15	48	8	46.0Kg
KMT-3060B	300×600	300	600	554	20	18.5	27.5	19(3+6+1+2+1+6)	300	620	15	48	8	66.5Kg
KMT-1010BS	100×100	100	100	600	20	15.2	24.8	19(3+6+1+2+1+6)	100	100	-	48	8	4.0Kg
KMT-1018BS	100×175	100	175	136	20	14	25	19(3+6+1+2+1+6)	100	175	-	48	8	7.0Kg
KMT-1515BS	150×150	150	150	117	20	9	24	19(3+6+1+2+1+6)	150	150	-	48	8	8.0Kg
KMT-1530BS	150×300	150	300	250	20	25	25	19(3+6+1+2+1+6)	150	300	-	48	8	17.0Kg

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可傾永磁夾盤
Rotary Permanent Magnetic Chuck
KMT-BU



用途:

最適合在磨床上作角度磨削。

特性:

- 研磨角度以刻度旋轉軸，很容易將所需之角度調整出來。
- 夾盤安置容易，而能進行高精度加工。

Application:

It is suitable for angle grinding on the grinder.

Features:

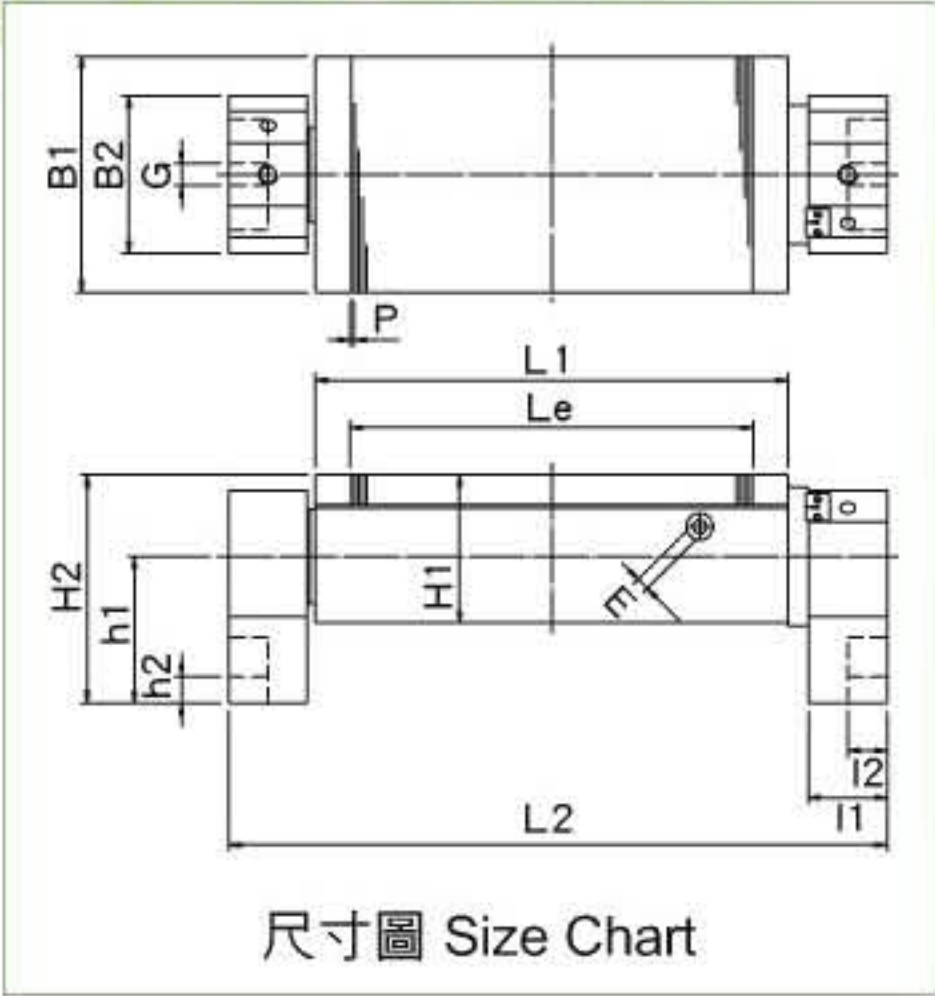
- The graduated rotary shaft makes it easy to grind at any angle.
- The chuck is easy to install and ensure you of high precision machining process.

規格表 Specilication Table

型式 Model	尺寸 Nominal Dimension	夾盤作業面 Chuckling Face						磁極間隔 Pole Pitch	可傾台 Rotary Stand						全長 Overall Length	全高 Overall Height	六角孔 Hexagonal Handle Hole	重量 Weight
		B1	L1	Le	H1	e1	e2		B2	I1	I2	G	h1	h2	L2	H2	E	
KMT-1018BU	100×175	100	175	136	97	14	25	19(3+6+1+2+1+6)	100	50	25	14	93	17	293	148	8	20.0Kg
KMT-1025BU	100×250	100	250	212	97	13	25	19(3+6+1+2+1+6)	100	50	25	14	93	17	368	148	8	26.0Kg
KMT-1325BU	125×250	125	250	212	97	13.7	24.3	19(3+6+1+2+1+6)	100	50	25	14	93	17	368	148	8	30.5Kg
KMT-1530BU	150×300	150	300	250	97	25	25	19(3+6+1+2+1+6)	100	50	25	14	93	17	418	148	8	39.0Kg
KMT-1535BU	150×350	150	350	307	97	18.5	24.5	19(3+6+1+2+1+6)	100	50	25	14	93	17	468	148	8	47.0Kg
KMT-1545BU	150×450	150	450	402	97	24	24	19(3+6+1+2+1+6)	100	50	25	14	93	17	568	148	8	58.5Kg

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可傾微距型永磁夾盤
Rotary Micropitch Permanent Magnetic Chuck
KRTW-U



用途:

適用於高精度之傾斜磨削加工。

特性:

- 夾盤具有刻度的旋轉軸，可隨意轉換任何角度。
- 此微距型夾盤有良好磁距設計非常適用於小型及薄的工件之角度磨削。

Application:

It is suitable for angle grinding on the grinder.

Features:

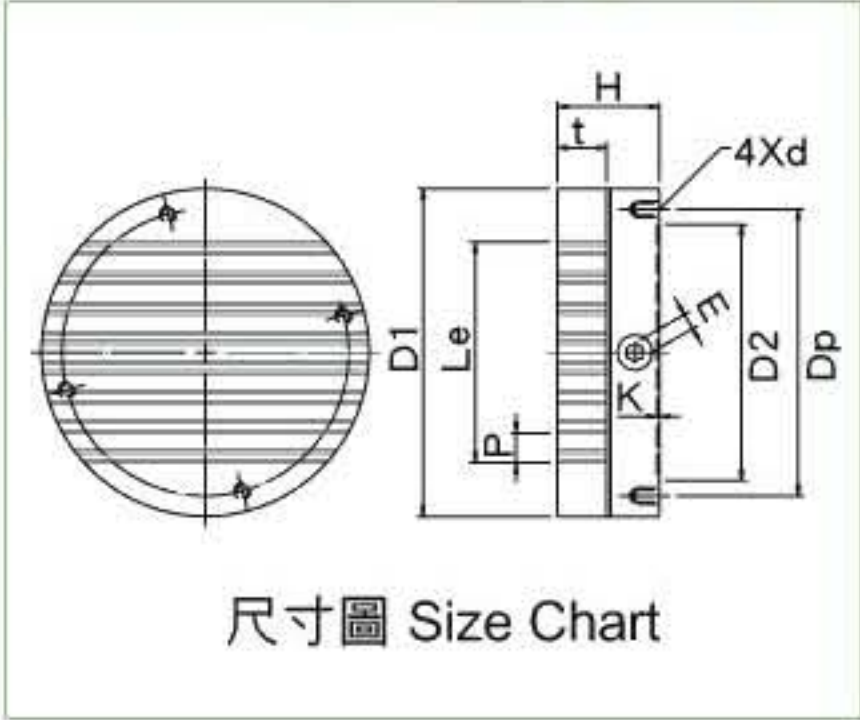
- The graduated rotary shaft makes it easy to grind at any angle.
- Fine-Pitched magnetic poles make it ideally suitable for angle grinding of small and thin workpieces.

規格表 Specilication Table

型式 Model	尺寸 Nominal Dimension	夾盤作業面 Chucking Face				磁極間隔 Pole Pitch	可傾台 Rotary Stand						全長 Overall Length	全高 Overall Height	六角孔 Hexagonal Handle Hole	重量 Weight
		B1	L1	Le	H1		B2	I1	I2	G	h1	h2	L2	H2	E	
KRTW-1018U	100×175	100	175	146	94	2.5(1+1.5)	100	50	25	14	93	17	293	145	8	20.5Kg
KRTW-1530U	150×300	150	300	256	94	2.5(1+1.5)	100	50	25	14	93	17	418	145	8	43.0Kg
KRTW-1535U	150×350	150	350	306	94	2.5(1+1.5)	100	50	25	14	93	17	468	145	8	49.5Kg
KRTW-1545U	150×450	150	450	406	94	2.5(1+1.5)	100	50	25	14	93	17	568	145	8	62.0Kg

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圓形永磁夾盤
Circular Permanent Magnetic Chuck
KPRM-R



用途:

廣泛運用於轉台研磨機，外徑研磨機，內徑研磨機等研削加工及車床切削作業。

特性:

- 使用高性能磁石，具強磁力，殘留磁力少。
- 工件厚薄不拘，均可充份發揮使用之夾盤。
- 精度高，變化小，符合高精度加工。

Application:

Widely used for grinding machine such as rotary grinding machine and external/internal grinding machine, and it is also used for cutting on turning machine.

Features:

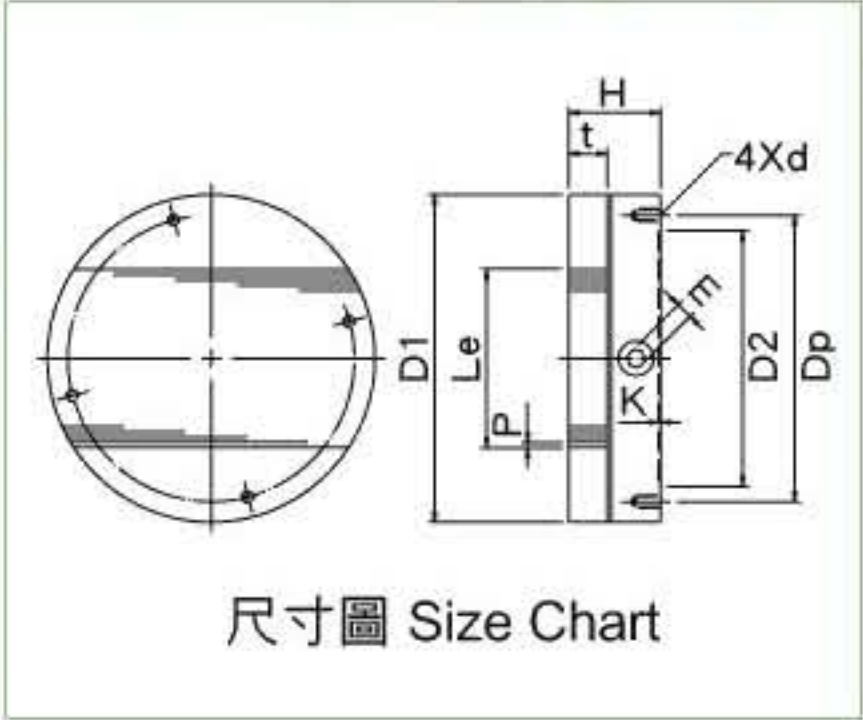
- The chuck consists of the high quality permanent magnet.
- It is an effective chuck for all thickness of workpieces.
- Specially designed for steady and high precision operation.

規格表 Specilication Table

型式 Model	尺寸 Nominal Dimension	夾盤作業面 Chucking Face		磁極間隔 Pole Pitch	夾盤基準面 Chuck Mounting Part				面板厚度 Face Plate Thickness	高度 Height	六角孔 Hexagonal Handle Hole	重量 Weight
		D1	Le		D2	K	Dp	d				
KPRM-13R	125	125	64.2	14.5(1.5+3.2+1.5+8.3)	100	1	112	M8	24	50	8	4.5Kg
KPRM-16R	160	160	107.7	14.5(1.5+3.2+1.5+8.3)	125	1	140	M8	24	50	8	7.5Kg
KPRM-20R	200	200	151.2	14.5(1.5+3.2+1.5+8.3)	160	1	180	M8	24	50	8	12.0Kg

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微距型圓形永磁夾盤
Circular Micropitch Permanent Magnetic Chuck
KRTW-R



用途:

運用於研削作業。

特性:

- 薄型夾盤，重量輕，適用於多種工件之固定。
- 微距型夾盤因磁極間隔細密，磁力分佈均勻，適用於小型零件或薄型工件。
- 厚度45mm為最普及使用之薄型夾盤。
- ON/OFF操作使用六角扳手，而操作十分簡便輕巧。

Application:

It is suitable for grinding operation.

Features:

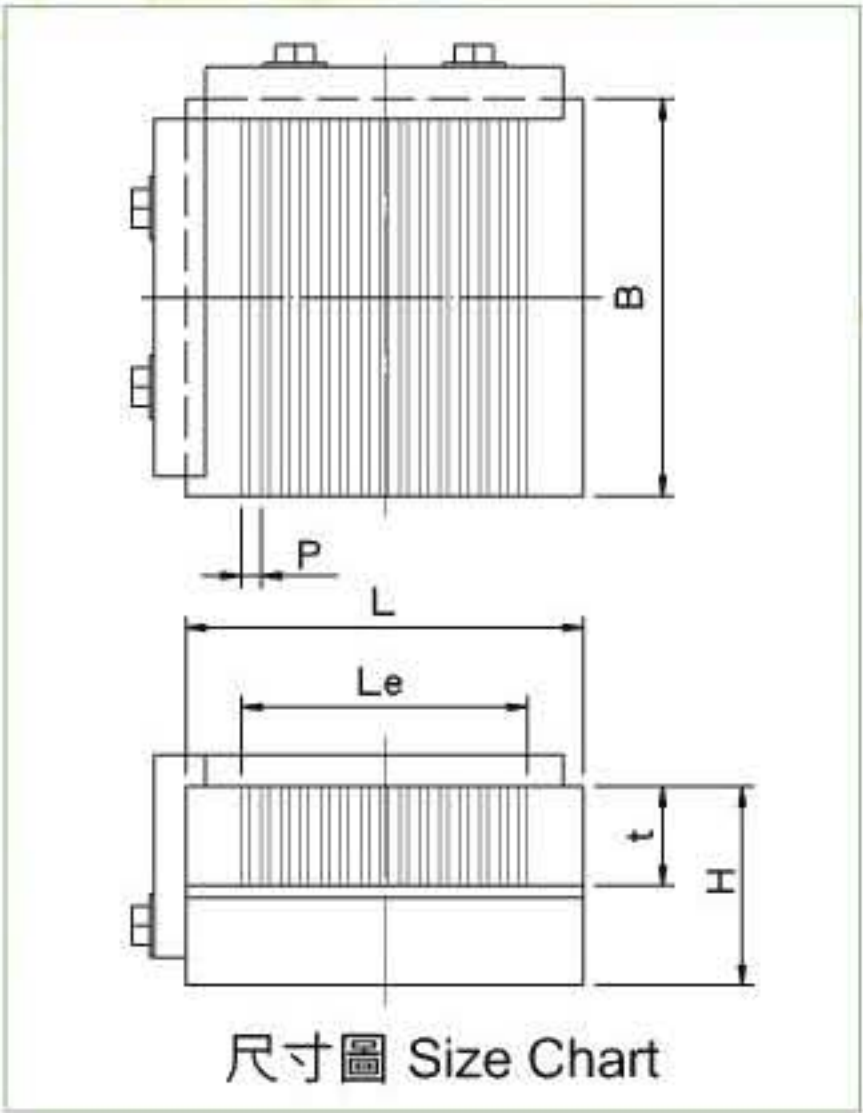
- Thin and light chuck for versatile applications.
- The fine pitched magnetic poles make it ideally suitable for small and thin workpieces.
- The most popular thin chuck in height of 45mm.
- Hexagonal wrench key is used to switch the magnetism ON/OFF, and it is easy to operate.

規格表 Specilication Table

型式 Model	尺寸 Nominal Dimension	夾盤作業面 Chucking Face		磁極間隔 Pole Pitch	夾盤基準面 Chuck Mounting Part				面板厚度 Face Plate Thickness	高度 Height	六角孔 Hexagonal Handle Hole	重量 Weight
		D1	Le		D2	K	Dp	d				
KRTW-10R	100	100	53.5	2.5(1+1.5)	60	1	76	M6	19	45	8	2.5Kg
KRTW-13R	125	125	81	2.5(1+1.5)	80	1	112	M8	19	45	8	4.0Kg
KRTW-16R	160	160	111	2.5(1+1.5)	125	1	140	M8	19	45	8	6.5Kg
KRTW-20R	200	200	153.5	2.5(1+1.5)	160	1	180	M8	19	45	8	10.0Kg

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超硬合金專用永磁夾盤
Hi-Power Mini Permanent Magnetic Chuck
CMR



用途:

以磁性較弱的工件為對象，可放置於大型永磁，電磁夾盤上吸著，互相配合使用。

特性:

專用於鎢鋼，鈷鋼，鈦等超硬金屬材料，能確實達到吸著效果。

Application:

This chuck is designed for objects with weaker magnetic force. This chuck can be placed in the plate of large permanent magnetic chuck or electro magnetic chuck for attraction or attachment.

Features:

It is specially used in tungsten carbide, cobalt steel and titanium and other hard metals that the attraction between the plate and metal can actually be accomplished.

規格表 Specilication Table

型式 Model	尺寸 Nominal Dimension	夾盤作業面 Chucking Face				磁極間隔 Pole Pitch	高度 Height	重量 Weight
		B	L	Le	t			
CMR-1010	100×100	100	100	72	25	5(2+3)	50	3.9Kg
CMR-1018	100×180	100	180	152	25	5(2+3)	50	7.1Kg
CMR-1025	100×250	100	250	222	25	5(2+3)	50	10.0Kg

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整流脫磁器
Chuck Controller
KT-115A/KT-215A



特色:

- 適用電磁夾盤。
- 脫磁時間6-15秒。
- 電磁夾盤磁力可精密調整，並有LED電壓顯示。
- 適用各種廠牌電磁夾盤。

Features:

- It is suitable for electro magnetic chucks.
- Demagnetizing time is 6-15 seconds.
- Precisely adjust the magnetic force of electro magnetic chucks and indicate LED voltage.
- It suitable for any kind of electro magnetic chucks.

規格表 Specilication Table

MODEL	Input	Output	Weight (Kg)
KT-115A	AC110V	DC0-100V 5A	3.5
KT-215A	AC110/220V	DC0-100V 10A	17.5

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KTD-180

特色:

- 適用一般零組件，配件，工具等工件進行固定方式脫磁。
- 使用20分鐘後，須休息20分鐘後再繼續使用。
- 自動溫度保護: 溫度達設定值時，自動切斷電源，待溫度下降後，自動恢復使用狀態。

Features:

- It is suitable for general components, accessories, tools etc. to do demagnetization in the fixed way.
- After operating by 20 minutes, it must be shut down for 20 minutes.
- Automatic Temperature Protection: When temperature reaches to the setting value, the power will be shut down automatically, and then it will restart when temperature decreases.



KTD-200

特色:

- 適用零件組，配件，工具等工件進行固定方式脫磁。
- 可連續24小時長時間使用。
- 內部雙線圈設計，不產生發熱情形。

Features:

- It is suitable for general components, accessories, tools etc. to do demagnetization in the fixed way.
- It is suitable for longtime use; it is able to use continuously for 24 hours.
- The design of double coils inside is able to avoid generation of heat.



KTD-280

特色:

- 適用零組件，配件，工具等工件進行大量固定方式脫磁。
- 可連續24小時長時間使用。
- 可配合輸送帶作自動化脫磁流程工作。
- 脫磁面積大，脫磁效果強。
- 內附散熱風扇。

Features:

- It is suitable for mass production such as general components, accessories, tools, etc. to do demagnetization in the fixed way.
- It is suitable for longtime use; it is able to use continuously for 24 hours.
- Be adaptable for delivery belts to do automatic demagnetization.
- It has a large demagnetization area to meet an effective demagnetization process.
- The fan attached inside of demagnetizer is to radiate heat.

規格表 Specilication Table

型式 Model	電源 Power	容量 Capacity	使用率 Duty Cycle	尺寸 Dimension			重量 Weight
				Length	Width	Height	
KTD-180	AC110/220V	220VA	50%	127	180	90	4.0Kg
KTD-200	AC110/220V	330VA	100%	150	200	100	8.5Kg
KTD-280	AC110/220V	550VA	連續100%	220	280	130	15.0Kg