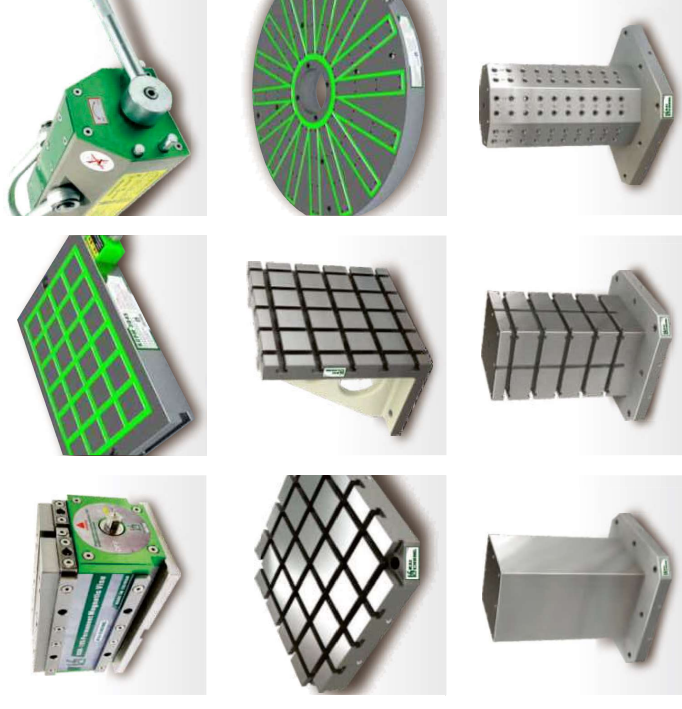


KAI CHENG

APPLICATION EXPERT OF JIG AND FIXTURE



- ELECTRO-PERMANENT MAGNETIC CHUCK
- VACUUM CHUCK
- JIGS & TOOLING COLUMNS
- PRECISION FIXTURES
- MACHINE TOOLS

Korea / Japan Exclusive

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KAI CHENG

KAI CHENG CO., LTD

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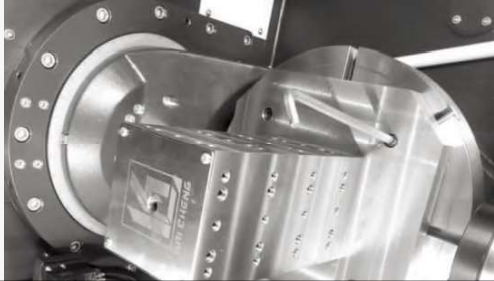
Email: re935502@ms29.hinet.net

Address: 1F, NO. 56, LN. 74, ZHONGHUA ST., HUNEI DIST.,

KAHSIUNG CITY 82943, TAIWAN

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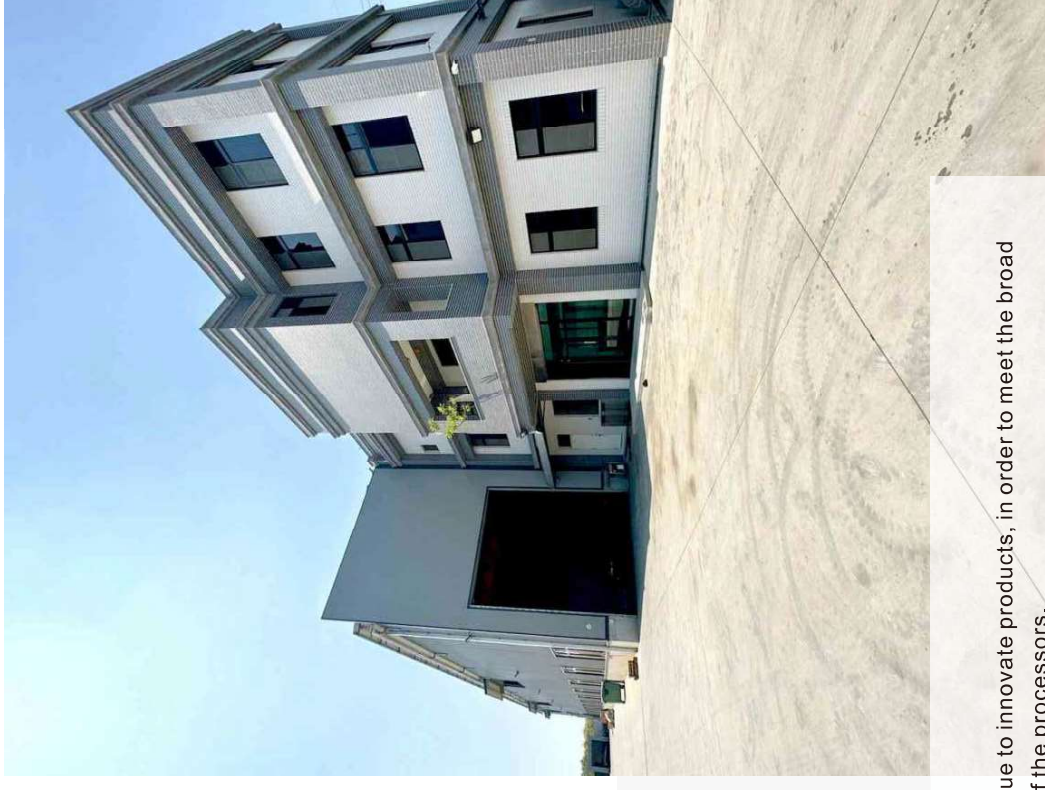
KAI CHENG Co., Ltd.

We are a professional manufacturer with rich experience in machining mechanical parts. For example Electro-Permanent Magnetic Chuck, Vacuum Chuck, Jigs and Tooling Columns, precision fixtures for machine tools. Own brand "KAI CHENG", sells products all over the world.

Uphold the philosophy of keeping improving and sustainable operation, providing the best product and service to our customers and pay attention to the accuracy and maintenance of each equipment.

We have several equipment including CNC grinding machines, CNC horizontal machining centers and CNC vertical machining centers.

With diversity equipment, standardized producing process and strict quality management, we provide customers with fastest service in both customized and standard products.



We continue to innovate products, in order to meet the broad demand of the processors.

We develop Electro-Permanent Magnetic Chuck and Tooling Column for horizontal machine and various jigs & fixtures, providing customers with great coordination, high quality, high precision and favorable price in the highly competitive era of Industry 4.0.

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	VACUUM CHUCK	-----	P.26

JIG AND FIXTURE

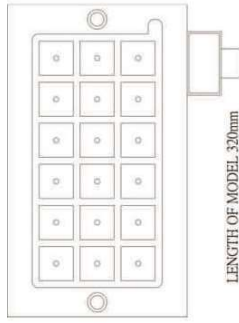


JIG AND FIXTURE

DSC01	-----	28	HAP01	-----	40	TPB01	-----	52
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KCPM-A

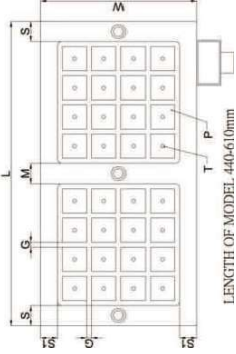
Pole 35X35 mm, Flux Line 15 mm, Magnetic Force 580±5% kgf/4 Poles



Applications:

1. Suitable for thin, small and medium workpiece on light duty machining.
2. Suitable for thin, small and medium workpiece of the drilling and finishing machining.
3. Minimum size of workpiece required as 4 alternate magnetic square poles and above contacts is necessary for optimum clamping.
4. More functions for cooperate with Induction Block and Spring Block.

Unit:mm



MODEL NO.	DIMENSION							PITCH G	POLE P	NO. OF POLE	TOTAL HOLDING POWER kgf ±5%
	W	L	S	S1	M	T	H				
KCPM-1832A	185	320	30	30	-					18	2610
KCPM-2340A	225	440	30	30	30					32	4640
KCPM-2361A	225	610	30	30	30					48	6960
KCPM-3132A	310	320	30	30	-					36	5220
KCPM-3140A	310	440	30	30	30	M6	50	7	35×35	48	6960
KCPM-3161A	310	610	30	30	30					72	10440
KCPM-4340A	435	440	30	30	30					72	10440
KCPM-4352A	435	525	30	30	30					90	13050
KCPM-4361A	435	610	30	30	30					108	15660

MODEL NO.	CHUCK KG	VOLTAGE (Single Phase)	CURRENT MP	CONTROLLER (included)
KCPM-1832A	23	CHUCK DC 220V CONTROLLER AC	18A	T1
KCPM-2340A	39		30A	T1
KCPM-2361A	54		26A	T2
KCPM-3132A	39	220V CONTROLLER AC 220V / 480V	26A	T1
KCPM-3140A	53		25A	T2
KCPM-3161A	74		31A	T2
KCPM-4340A	75		31A	T2
KCPM-4352A	90		24A	T4
KCPM-4361A	104		26A	T4

KCPM-B

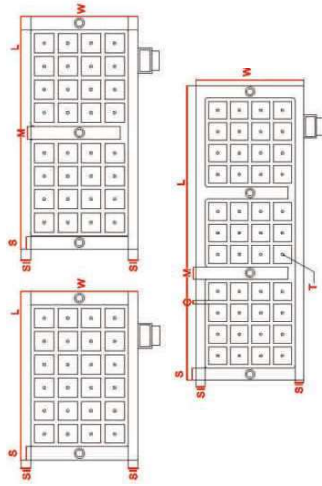
Pole 50X50mm,Flux line 25mm



FEATURES

OF THE ELECTRO-PERMANENT MAGNETIC CHUCK :

- 1 Powerful magnetic force 1300 kgf/110mm²±5%. (4 Poles)
- 2 Electro-permanent magnetic design,1~2 seconds for power ON & OFF. No need to keep power supply, without temperature rise which is available for long time use. The accuracy will not be affected by the deformation of the workpiece due to the increase in temperature.
- 3 With induction soft block, it is available to do 5 face machining, drilling, tapping, slotting, shaping in one time clamping, saving the machining process which reduces the repetitive tolerance due to the complicate process.
- 4 Shorten the set up time of the workpieces, the clamping area can cover the entire working area. Improve the processing efficiency by multiple workpieces machining at the same time.



STANDARD SPECIFICATION OF THE ELECTRO-PERMANENT MAGNETIC CHUCK

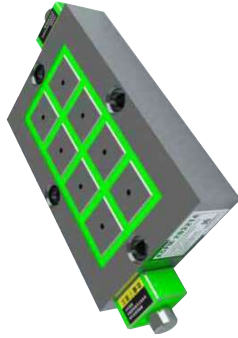
Unit:mm

MODEL	W	L	S	S1	M	HEIGHT	T	G	NO. OF POLES	TOTAL HOLDING POWER	WEIGHT	VOLTAGE	CURRENT	CONTROLLER
KCPM-2545B	241	439	30	25	-				18	5600	50		18	T1
KCPM-2560B	241	602	30	25	30				24	7500	63		30	T1
KCPM-2582B	241	828	30	25	30				33	10300	92		30	T1
KCPM-2590B	241	889	30	25	30				36	11200	98		18	T2
KCPM-25100B	241	1009	30	25	30				42	13100	111		26	T2
KCPM-3032B	301	320	30	25	-				16	5000	44		20	T1
KCPM-3045B	301	439	30	25	-				24	7600	64		24	T1
KCPM-3060B	301	604	30	25	30				32	10200	89		33	T1
KCPM-3082B	301	828	30	25	30				44	14000	121		24	T2
KCPM-3090B	301	889	30	25	30				48	15300	130		24	T2
KCPM-30100B	301	1009	30	25	30				56	17900	148		32	T2
KCPM-4245B	421	439	30	25	-				36	11500	90	AC	18	T2
KCPM-4260B	421	604	30	25	30				48	15300	124	220V	24	T2
KCPM-4282B	421	828	30	25	30				66	21100	170		33	T2
KCPM-4280B	421	889	30	25	30				72	23000	182		24	T4
KCPM-42100B	421	1009	30	25	30				84	26800	207		20	T4
KCPM-5060B	481	604	30	25	30				56	17900	141		24	T2
KCPM-5082B	481	828	30	25	30				77	24600	194		24	T4
KCPM-5090B	481	889	30	25	30				84	26800	208		20	T4
KCPM-50100B	481	1009	30	25	30				98	31300	236		24	T4
KCPM-6060B	602	604	30	25	30				72	23000	177		24	T4
KCPM-6082B	602	828	30	25	30				99	31600	243		24	T4
KCPM-6090B	602	889	30	25	30				108	34500	261		33	T4
KCPM-60100B	602	1009	30	25	30				126	40300	296		35	T4

COMBINATIONAL MAGNETIC CHUCK

FEATURE :

- Save the cost. Optimize the distribution of the magnetic force.
- Expansion way, free to arrange the magnetic chuck according to the workpiece, saving the space and reduce the cost.
- Available for 5 face machining, drilling. Flexible extension arrangement make machining more convenient and smooth.

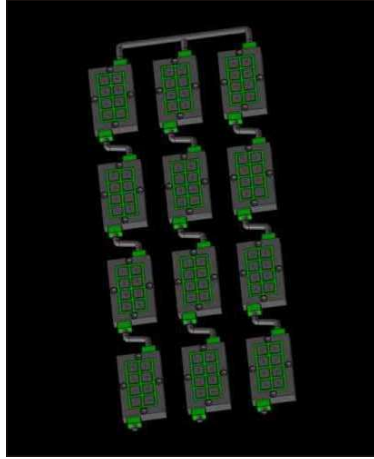
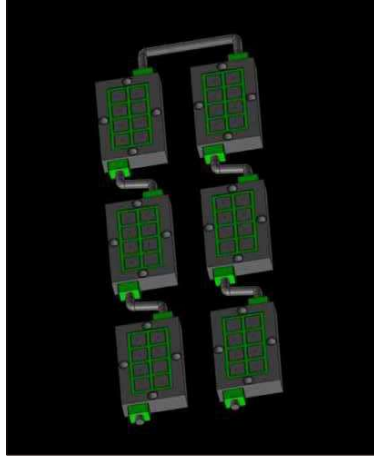


Unit:mm

MODEL	WIDTH	LENGTH	HEIGHT	NO. OF POLES	WEIGHT	VOLTAGE	CURRENT	COMBINED Q'ty	CONTROLLER
MCP-2032	200	321		8	31		8	4-16	
MCP-2626	259	259	62	9	33	AC220V	7	4-16	T1-T4
MCP-2041	200	441		16	121		24	2-8	

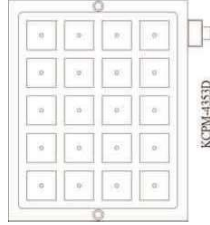
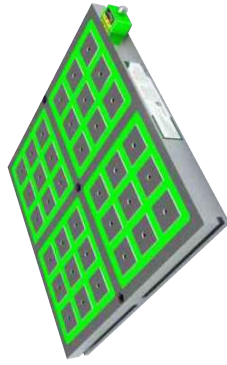
MODEL NO.	CHUCK VOLTAGE (Single Phase)	CONTROLLER VOLTAGE (Single Phase)	DIMENSION						PITCH G	POLE P	NO. OF POLE	HOLDING POWER kgf ±5%	CHUCK KG	
			W	L	L1	A	B	H						T
MCP-2032	DC 220V	AC 220V / 480V	200	321	310	286	166	62	M8	10	50×50	8	2500	31
MCP-2044			200	441	310	406	166	62	M8	10	50×50	12	3750	43
MCP-2056			200	562	310	527	166	62	M8	10	50×50	16	5000	55
MCP-2626			259	259	310	225	225	62	M8	10	50×50	9	2800	33

APPLICATIONS



KCPM-D

Pole 70X70 mm, Flux Line 40 mm, Magnetic Force 2800±5% kgf/4 Poles



Applications:

1. Suitable for medium and large workpiece on heavy duty machining.
2. Suitable for medium and double column machining center.
3. Minimum size of workpiece required as 4 alternate magnetic square poles and above contacts is necessary for optimum clamping.
4. With induction soft block, it is available to do 5 face machining, drilling, tapping, slotting, shaping in one time clamping, saving the machining process which reduces the repetitive tolerance due to the complicate process.

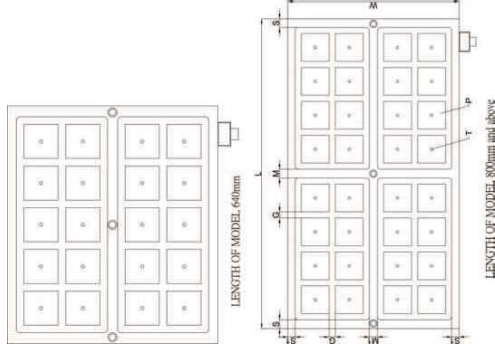
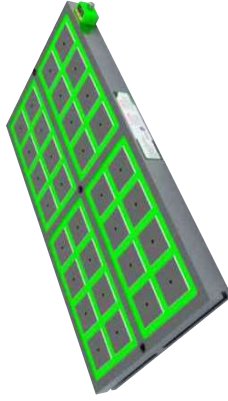
Unit:mm

MODEL NO	DIMENSION							PITCH G	POLE P	NO. OF POLE	TOTAL HOLDING POWER kgf ±5%	CHUCK KG
	W	L	S	S1	M	T	H					
KCPM-3460D	340	670	30	30	30	30				18	12600	126
KCPM-4353D	430	530	30	30	--					20	14000	126
KCPM-4360D	430	670	30	30	30	30				24	16800	159
KCPM-4385D	430	850	30	30	30	30				32	22400	202
KCPM-5260D	520	670	30	30	30	M10	70	20	70×70	30	21000	193
KCPM-5285D	520	850	30	30	30	30				40	28000	244
KCPM-6060D	660	670	30	30	30	30				36	25200	245
KCPM-6085D	660	850	30	30	30	30				48	33600	310
KCPM-8085D	840	850	30	30	30	30				64	44800	395

MODEL NO	VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)	VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)
KCPM-3460D	CHUCK DC 220V	24A	T2	CHUCK DC 380V CONTROLLER AC 220V / 480V	25A	T1H
KCPM-4353D		13A	T2		22A	T1H
KCPM-4360D		24A	T2		29A	T1H
KCPM-4385D	CONTROLLER AC 220V / 480V	16A	T4	CONTROLLER AC 380V / 440V	27A	T2H
KCPM-5260D		19A	T2		17A	T2H
KCPM-5285D		13A	T4		22A	T2H
KCPM-6060D		15A	T4		25A	T2H
KCPM-6085D		24A	T4		29A	T2H
KCPM-8085D		32A	T8		27A	T4H

KCPM-E

Pole 92X92 mm, Flux Line 50 mm, Magnetic Force 4800±5% kgf/4 Poles



Applications:

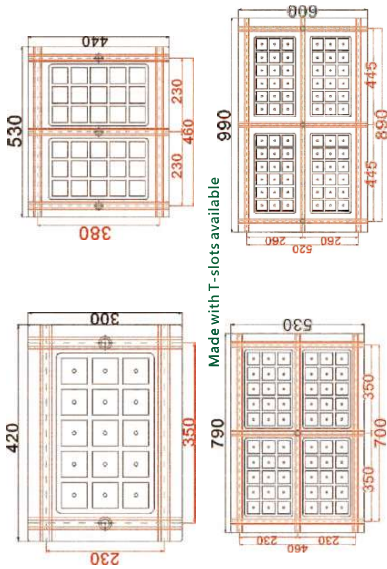
1. Suitable for large and high-thickness workpiece
2. Minimum size of workpiece required as 4 alternate magnetic square poles and above contacts is necessary for optimum clamping.
3. With induction soft block, it is available to do 5 face machining, drilling, tapping, slotting, shaping in one time clamping, saving the machining process which reduces the repetitive tolerance due to the complicate process.

Unit:mm

MODEL NO.	DIMENSION							PITCH G	POLE P
	W	L	S	S1	M	T	H		
KCPM-5664E	565	640	30	30	--	27			92×92
KCPM-56100E	565	1025	30	30	29	27			
KCPM-56125E	565	1250	30	30	30	27	M10	70	
KCPM-8080E	790	800	30	30	28	28			
KCPM-80100E	790	1025	30	30	29	28			
KCPM-80125E	790	1250	30	30	30	28			

MODEL NO.	NO. OF POLE	TOTAL HOLDING POWER kgf ±5%	CHUCK KG	VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)
KCPM-5664E	20	24000	214	CHUCK DC 380V	24A	T2H
KCPM-56100E	32	38400	343	CONTROLLER AC 380V / 440V	13A	T4H
KCPM-56125E	40	48000	418		24A	T4H
KCPM-8080E	36	43200	374		26A	T4H
KCPM-80100E	48	57600	480		19A	T4H
KCPM-80125E	60	72000	585		15A	T8H

KCPM-KT

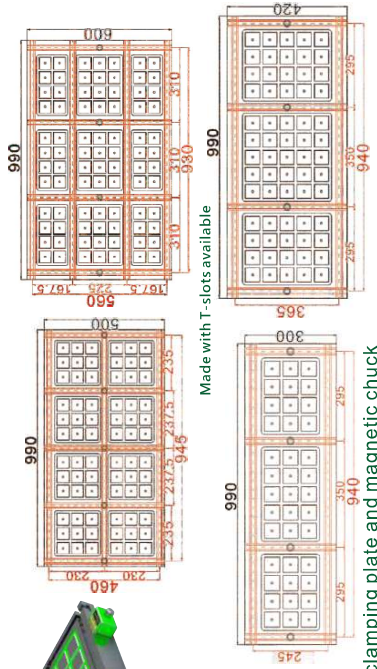


Suitable for big size of workpiece only, use together with mechanical clamping tool for heavy duty machining. Lower price for big size of workpiece only.

Unit:mm

MODEL NO.	DIMENSION		PITCH	POLE	NO. OF T-SLOT	TOTAL HOLDING POWER kgf ±5%	CHUCK WEIGHT KG	CHUCK VOLTAGE (Single Phase)	CONTROLLER VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)	CHUCK VOLTAGE (Single Phase)	CONTROLLER VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)
	W	L	H												
KCPM-3042KT	300	420	70		15	4600	50	DC 220V	AC 220V / 480V	17A	T1	DC 380V / 440V	AC 380V	33A	T1H
KCPM-4050KT	440	530	70		30	9300	80	DC 220V	AC 220V / 480V	32A	T2	DC 380V / 440V	AC 380V	32A	T2H
KCPM-5080KT	530	790	70		60	18700	180	DC 220V	AC 220V / 480V	23A	T4	DC 380V / 440V	AC 380V	23A	T4H
KCPM-60100KT	600	990	70		72	22500	240	DC 220V	AC 220V / 480V	23A	T4	DC 380V / 440V	AC 380V	23A	T4H

KCPM-KTL



Suitable for all size of workpiece, can be use together with mechanical clamping tools.

With multi-functions of machine table, clamping plate and magnetic chuck

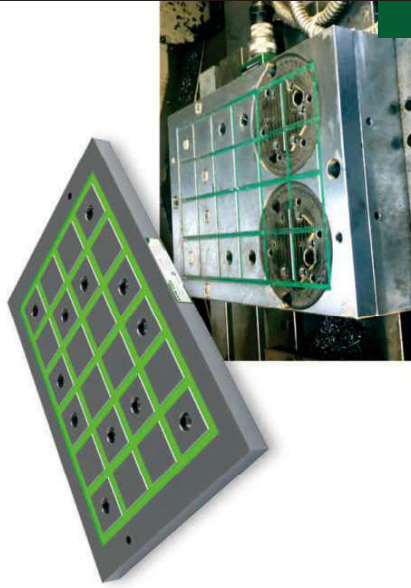
MODEL NO.	DIMENSION		PITCH	POLE	NO. OF T-SLOT	TOTAL HOLDING POWER kgf ±5%	CHUCK WEIGHT KG	CHUCK VOLTAGE (Single Phase)	CONTROLLER VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)	CHUCK VOLTAGE (Single Phase)	CONTROLLER VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)
	W	L	H												
KCPM-30100KTL	300	990	70		39	12100	160	DC 220V	AC 220V / 480V	24A	T2	DC 380V / 440V	AC 380V	16A	T2H
KCPM-40100KTL	420	990	70		65	20300	225	DC 220V	AC 220V / 480V	30A	T2	DC 380V / 440V	AC 380V	13A	T2H
KCPM-50100KTL	500	990	70		72	22500	260	DC 220V	AC 220V / 480V	14A	T4	DC 380V / 440V	AC 380V	14A	T2H
KCPM-60100KTL	600	990	70		84	26200	320	DC 220V	AC 220V / 480V	22A	T4	DC 380V / 440V	AC 380V	9A	T4H

Unit:mm

INDUCTION PLATE KCPM-IP SERIES

FEATURE :

1. Suitable for quantity of irregular and smaller workpiece. It can be machining multi-workpiece at same time easily.
2. One KCPM chuck can be use several al Induction Sub Plate exchangeability for mad machining different kind of workpiece.
3. Operation: Set up the Induction Plates to the KCPM chucks first, then machining forms (Around 1-2mm depth) on IP to match the workpiece by the machine directly. Start to clamp workpieces for machining.
4. Please advise the model No. of KCPM chuck which you want to combine for, when purchased.



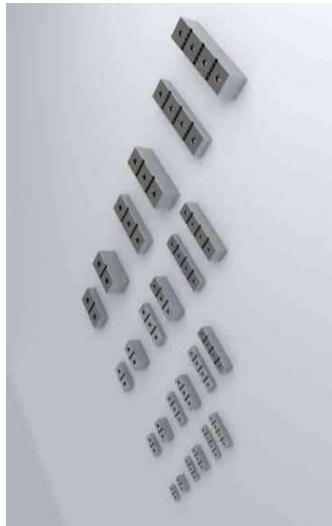
Suitable for quantity of irregular and smaller workpiece. It can be machining multi-workpiece at same time easily

Unit:mm

MODEL NO.	W	L	S	S1	M	H	T	G	CHUCK KG
KCPM-2545IP	241	439	30	25	-				21
KCPM-2560IP	241	602	30	25	30				28
KCPM-2582IP	241	828	30	25	30				39
KCPM-2590IP	241	889	30	25	30				42
KCPM-25100IP	241	1009	30	25	30				48
KCPM-3032IP	301	320	30	25	-				19
KCPM-3045IP	301	439	30	25	-				26
KCPM-3060IP	301	604	30	25	30				36
KCPM-3082IP	301	828	30	25	30				49
KCPM-3090IP	301	889	30	25	30				53
KCPM-30100IP	301	1009	30	25	30				60
KCPM-4245IP	421	439	30	25	-	25	M10	6/10	36
KCPM-4260IP	421	604	30	25	30				50
KCPM-4282IP	421	828	30	25	30				68
KCPM-4290IP	421	889	30	25	30				73
KCPM-42100IP	421	1009	30	25	30				83
KCPM-5060IP	481	604	30	25	30				57
KCPM-5082IP	481	828	30	25	30				78
KCPM-5090IP	481	889	30	25	30				84
KCPM-50100IP	481	1009	30	25	30				95
KCPM-6060IP	602	604	30	25	30				71
KCPM-6082IP	602	828	30	25	30				98
KCPM-6090IP	602	889	30	25	30				105
KCPM-60100IP	602	1009	30	25	30				119

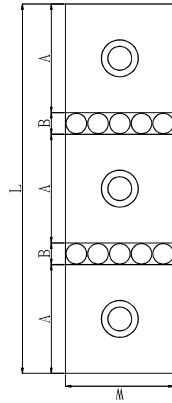
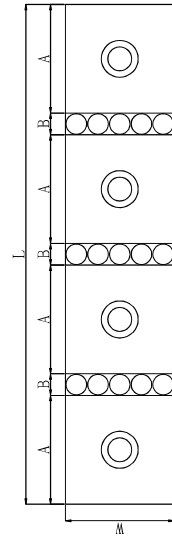
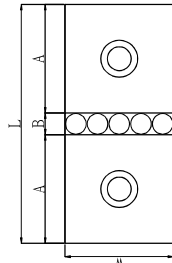
OPTION ACCESSORIES

INDUCTION BLOCK KCPM-DBA/TBA/QBA SERIES



Features:

- 1.Suitable for use on KCPM Series of Electro-Permanent Magnetic Chuck.



KCPM-DBA/TBA/QBA Suitable for use on KCPM-A Series Chucks.

Unit:mm

MODEL NO.	NO.OF POLE	W	L	HEIGHT	A	B
KCPM-DBA	2	35	77	15or30	35	7
KCPM-TBA	3		119			
KCPM-QBA	4		161			

KCPM-DBB/TBB/QBB Suitable for use on KCPM-B Series Chucks.

Unit:mm

MODEL NO.	NO.OF POLE	W	L	HEIGHT	A	B
KCPM-DBB	2	50	110	25or50	50	10
KCPM-TBB	3		170			
KCPM-QBB	4		230			

KCPM-DBD/TBD/QBD Suitable for use on KCPM-D Series Chucks.

Unit:mm

MODEL NO.	NO.OF POLE	W	L	HEIGHT	A	B
KCPM-DBD	2	70	160	25or50	70	20
KCPM-TBD	3		250			
KCPM-QBD	4		340			

KCPM-DBE/TBE/QBE Suitable for use on KCPM-E Series Chucks.

Unit:mm

MODEL NO.	NO.OF POLE	W	L	HEIGHT	A	B
KCPM-DBE	2	92	204	25or50	92	20
KCPM-TBE	3		316			
KCPM-QBE	4		428			

V Block :

Suitable for clamping the round workpiece, convenient for the machining of round workpieces.

KCPM-IB90



Unit:mm

MODEL NO.	Height	Width	Length
KCPM-IB90V3	50	110	110
KCPM-IB90V4	50	110	230
KCPM-IB90V6	50	110	350

Angle Block :

Customize according to required angle, convenient to meet different angel demand of machining.

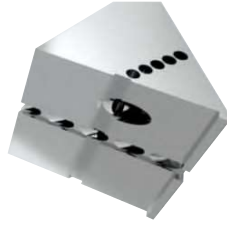
KCPM-IBT30



Unit:mm

MODEL NO.	Height	Width	Length
KCPM-IBT30V2	60	115	110
KCPM-IBT30V4	60	115	230
KCPM-IBT30V6	60	115	350

KCPM-IBT60



Unit:mm

MODEL NO.	Height	Width	Length
KCPM-IBT60V2	100	115	110
KCPM-IBT60V4	100	115	230
KCPM-IBT60V6	100	115	350

KCPM-IB120



Unit:mm

MODEL NO.	Height	Width	Length
KCPM-IB120V3	50	110	110
KCPM-IB120V4	50	110	230
KCPM-IB120V6	50	110	350

KCPM-IBT45



Unit:mm

MODEL NO.	Height	Width	Length
KCPM-IBT45V2	83	115	110
KCPM-IBT45V4	83	115	230
KCPM-IBT45V6	83	115	350

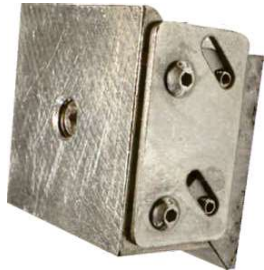
KCPM-IBT90



Unit:mm

MODEL NO.	Height	Width	Length
KCPM-IBT90V2	115	115	110
KCPM-IBT90V4	115	115	230
KCPM-IBT90V6	115	115	350

Spring Block KCPM-SP



Suitable for clamping on iron cast, irregular form and flexuous workpieces, it will not be out of shape of the workpiece after machining.

3 Fixed Blocks is necessary for each workpiece clamping. (These are for datum plane, others to be spring blocks). Spring blocks are used to correct irregular or uneven casting, machining the workpiece to redefine the datum plane. For mass production, the efficiency can be maximized.

Unit:mm

MODEL NO.	H	W	L	SUITABLE
KCPM-SP35	21	33.6	35	KCPM-A
KCPM-SPF35	23	35	35	
KCPM-SP50	30	48	48	KCPM-B
KCPM-SPF50	32.5	50	50	
KCPM-SP70	30	68	68	KCPM-D
KCPM-SPF70	32.5	70	70	

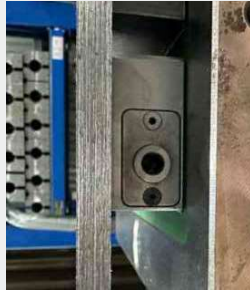
Unit:mm

MODEL NO.	Holding Power (Kgf)
Fixed Block	85%
Spring Block	40%

Induction block with raise pin structure KCPM-S50T

FEATURE :

1. Since the high-carbon materials, the workpiece might be unable to be instantly released after machining cycle is completed due to residual magnetism.
2. The high-carbon steel parts are difficult to remove after the magnetization using induction block with raise pin structure can easily remove the workpiece.



KCPM-CIRMA-A

Features:

1. Electro-permanent magnetic design, 1~10 seconds for power ON & OFF. No need to keep power supply, without temperature rise which is available for long time use.
The accuracy will not be affected by the deformation of the workpiece due to the increase in temperature.
2. With induction soft block, it is available to do 5 face machining, drilling, tapping, slotting, shaping in one time clamping, saving the machining process which reduces the repetitive tolerance due to the complicate process.
3. Shorten the set up time of the workpieces, the clamping area can cover the entire working area. Improve the processing efficiency by multiple workpieces machining at the same time.



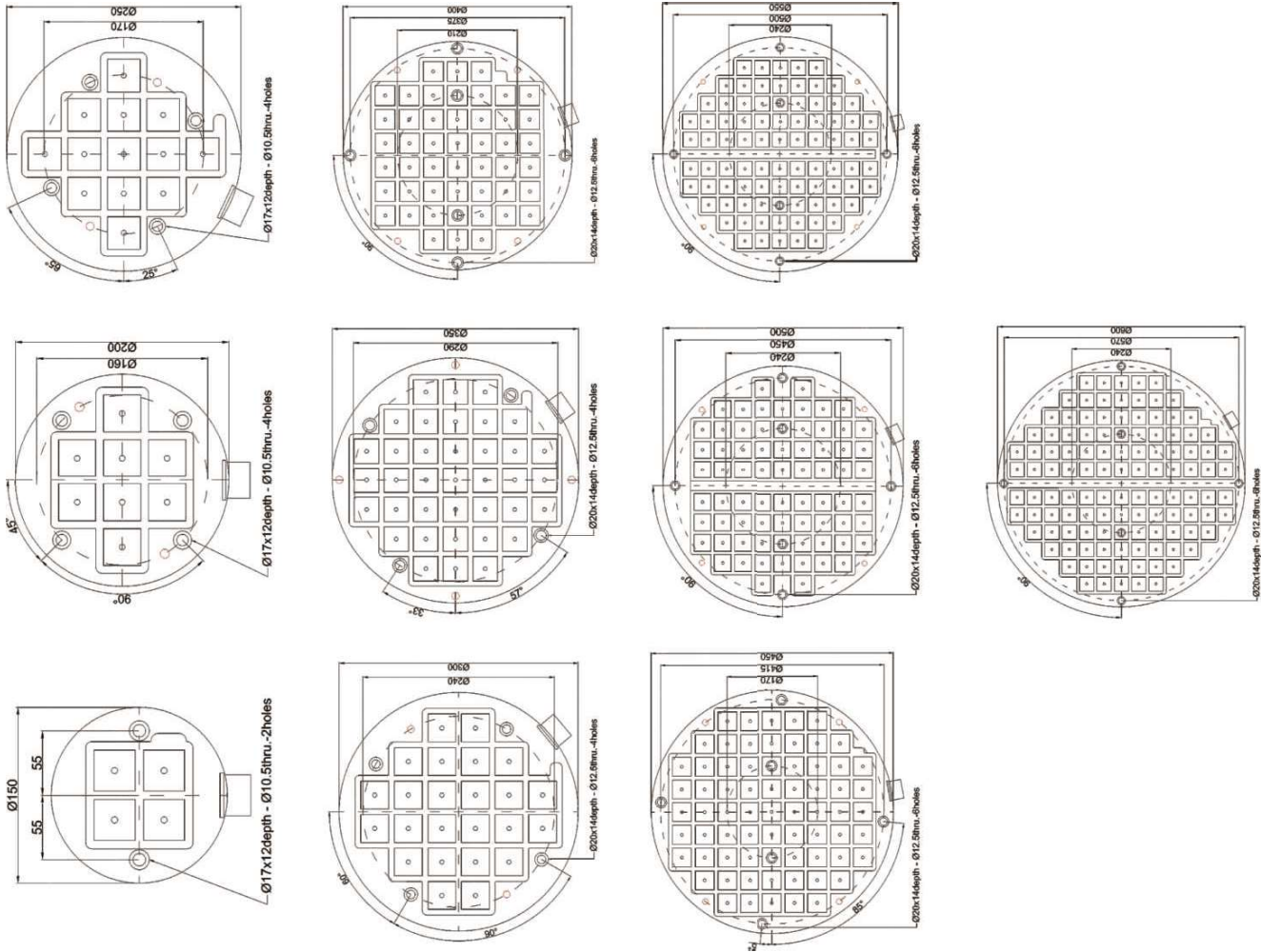
Applications:

1. KCPM-CIRMA-A: Suitable for thin & small workpiece. (Pole Size 35X35 mm, Magnetic Force 580 kgf/4 Poles).
2. KCPM-CIRMA-B: Suitable for thin & medium workpiece.(Pole Size 50X50 mm, Magnetic Force 1250 kgf/4 Poles).
3. Minimum size of workpiece required as 4 alternate magnetic square poles and above contacts is necessary for optimum clamping.

Unit:mm

MODEL NO.	DIMENSION		PITCH	POLE	NO. OF POLE	CHUCK KG	VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)
	D	HEIGHT							
KCPM-CIRMA-150A	Ø150	50	7	35×35	4	6	CHUCK DC 220V	20A	T1
KCPM-CIRMA-200A	Ø200	50			8	11		10A	T1
KCPM-CIRMA-250A	Ø250	50			13	17		25A	T1
KCPM-CIRMA-300A	Ø300	50			24	25		10A	T1
KCPM-CIRMA-350A	Ø350	50			37	34	CONTROLLER AC 220V / 480V	26A	T1
KCPM-CIRMA-400A	Ø400	50			46	44		14A	T2
KCPM-CIRMA-450A	Ø450	50			67	55		21A	T2
KCPM-CIRMA-500A	Ø500	50			70	69		26A	T2
KCPM-CIRMA-550A	Ø550	50			84	83		15A	T4
KCPM-CIRMA-600A	Ø600	50			114	99		23A	T4

KCPM-CIRMA-A



KCPM-CIRMA-B



Features:

- 1. Electro-permanent magnetic design, 1~10 seconds for power ON & OFF. No need to keep power supply, without temperature rise which is available for long time use.
The accuracy will not be affected by the deformation of the workpiece due to the increase in temperature.
- 2. With induction soft block, it is available to do 5 face machining, drilling, tapping, slotting, shaping in one time clamping,
saving the machining process which reduces the repetitive tolerance due to the complicate process.
- 3. Shorten the set up time of the workpieces, the clamping area can cover the entire working area.
Improve the processing efficiency by multiple workpieces machining at the same time.

Applications:

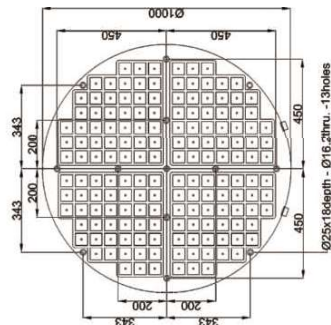
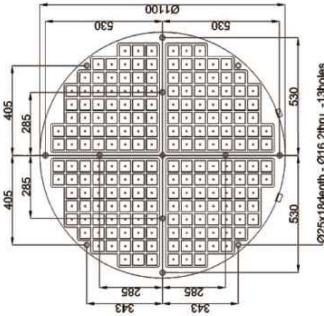
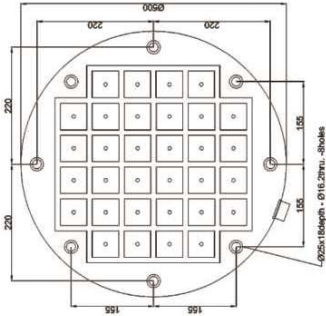
- 1. KCPM-CIRMA-A: Suitable for thin & small workpiece. (Pole Size 35X35 mm, Magnetic Force 580 kgf/4 Poles).
- 2. KCPM-CIRMA-B: Suitable for thin & medium workpiece (Pole Size 50X50 mm, Magnetic Force 1250 kgf/4 Poles).
- 3. Minimum size of workpiece required as 4 alternate magnetic square poles and above contacts is necessary for optimum clamping.

Unit:mm

MODEL NO.	DIMENSION		PITCH	POLE OF	NO.	CHUCK KG	VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)
	D	HEIGHT							
KCPM-CIRMA-200B	Ø203	60			4	16	CHUCK	15A	-
KCPM-CIRMA-300B	Ø320	60			12	35	DC	20A	T1
KCPM-CIRMA-500B	Ø500	60			32	97	220V	30A	T1
KCPM-CIRMA-600B	Ø620	60			52	150		21A	T2
KCPM-CIRMA-700B	Ø720	60	10	50x50	76	191	CONTROLLER	21A	T4
KCPM-CIRMA-800B	Ø820	60			96	262	AC	23A	T4
KCPM-CIRMA-900B	Ø900	70			120	362	220V	33A	T4
KCPM-CIRMA-1000B	Ø1020	70			164	464	/	29A	T8
KCPM-CIRMA-1100B	Ø1106	70			204	546	480V	28A	T8

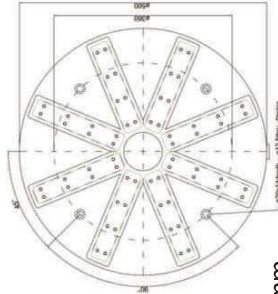
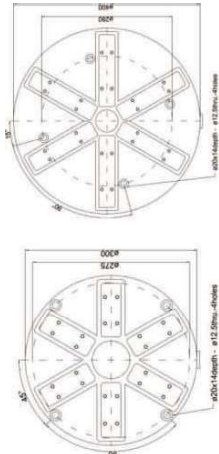
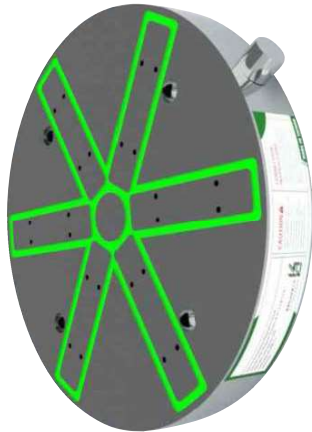
MODEL NO.	CONTROLLER (included)	VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)
KCPM-CIRMA-200B	T1	CHUCK	-	-
KCPM-CIRMA-300B	T1	DC	5A	T1
KCPM-CIRMA-500B	T1	380V	15A	T1
KCPM-CIRMA-600B	T2	CONTROLLER	22A	T2
KCPM-CIRMA-700B	T4	AC	10A	T4
KCPM-CIRMA-800B	T4	380V	9A	T4
KCPM-CIRMA-900B	T4	/	18A	T4
KCPM-CIRMA-1000B	T8	440V	27A	T8
KCPM-CIRMA-1100B	T8		11A	T8

KCPM-CIRRA-A



Features:

1. Round type and radiate magnetic poles, suitable for clamping round type and any form of workpiece machining.
2. Workpieces can be touch to all poles of Magnetic Chuck, super power magnetic force as minimum of 16000Kgf (1.6tons) $\pm 5\%$ and maximum of 44000K (4.4 tons) $\pm 5\%$, it depends on size of workpiece and magnetic chuck.
3. Electro-permanent magnetic design, 1~10 seconds for power ON & OFF. No need to keep power supply without temperature rise which is available for long time use. The accuracy will not be affected by the deformation of the workpiece due to the increase in temperature.
4. Un-obstructed movement of cutters during machining the really functions of 5 side machining on workhold.
5. Shorten the set up time of the workpieces, the clamping area can cover the entire working area. Improve the processing efficiency by multiple workpieces machining at the same time

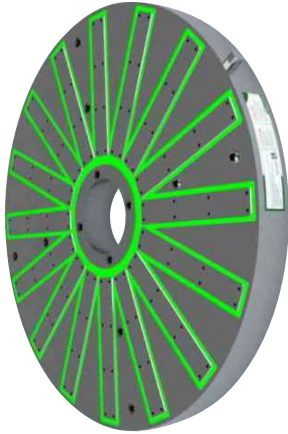


Unit:mm

1. suitable in use for combine with Vertical Lathe, CNC 5 Axis Index Device, CNC 5 Axis Machining Center
2. Minimum dimension of workpiece required as:
 - KCPM-CIRRA-A300-@ 300mm m;
 - KCPM-CIRRA-A400-@360mm;
 - KCPM-CIRRA-A500-@500mm
 or same dimensions of any other forms of workpiece.
3. More functions for cooperate with induction plate, can do positioning on workholding.

MODEL NO.	DIMENSION			NO. OF POLE	MAGNETIC FORCE	CHUCK KG	VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)
	OD	ID	HEIGHT						
KCPM-CIRRA-300A	Ø300	0	55	6	1600kgf±5%	16	CHUCK DC 220V	7A	T1
KCPM-CIRRA-400A	Ø400	0	55	6	2480kgf±5%	35	CONTROLLER AC 220V / 480V	18A	T1
KCPM-CIRRA-500A	Ø500	0	55	8	4400kgf±5%	97		22A	T1

KCPM-CIRRA-B



Features:

- 1. Round type and radiate magnetic poles, suitable for clamping round type and any form of workpiece machining.
- 2. Workpieces can be touch to all poles of Magnetic Chuck, super power magnetic force as minimum of 6650Kg_f (6.65tons) ±5% and maxi ximum of 59850Kg_f (59.85 tons)±5%, it depends on size of workpiece and magnetic chuck.
- 3. Electro-permanent magnetic design, 1~10 seconds for power ON & OFF. No need to keep power supply, without temperature rise which is available for long time use. The accuracy will not be affected by the deformation of the workpiece due to the increase in temperature.
- 4. Un-obstructed movement of cutters during machining, the really functions of 5 side machining on workholding.
- 5. Shorten the set up time of the workpieces, the clamping area can cover the entire working area. Improve the processing efficiency by multiple workpieces machining at the same time

Applications:

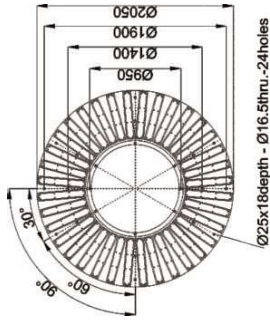
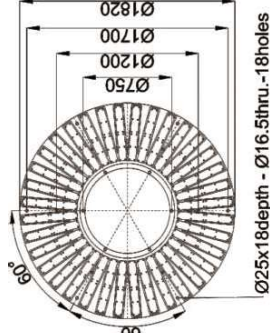
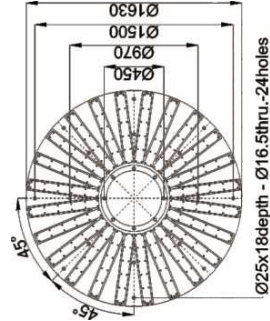
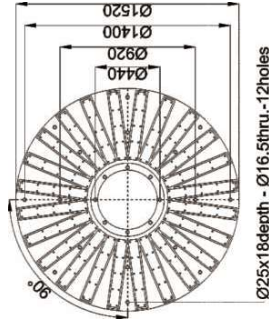
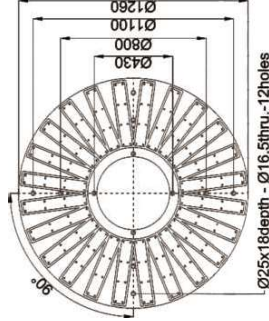
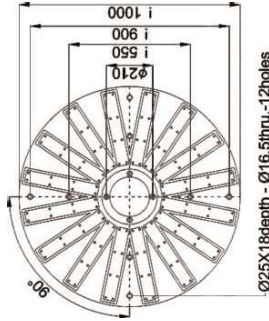
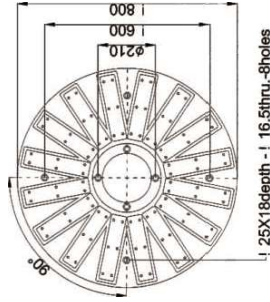
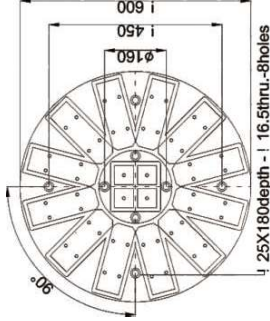
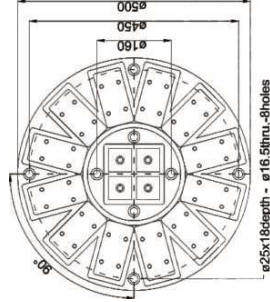
- 1. suitable in use for combine with Vertical Lathe, CNC 5 Axis Index Device, CNC 5 Axis Machining Center
- 2. More functions for cooperate with induction plate, can do positioning on workholding.

Unit:mm

MODEL NO.	DIMENSION		NO. OF POLE	MAGNETIC FORCE	CHUCK KG	VOLTAGE (Single Phase)	CURRENT AMP
	OD	HEIGHT					
KCPM-CIRRA-500B	Ø500	0	70	12/4	6650kg _f ±5%	104	35A
KCPM-CIRRA-600B	Ø600	0	70	12/4	9500kg _f ±5%	148	23A
KCPM-CIRRA-800B	Ø800	Ø250	85	16	15200kg _f ±5%	302	30A
KCPM-CIRRA-1000B	Ø1000	Ø250	85	16	19000kg _f ±5%	471	24A
KCPM-CIRRA-1250B	Ø1250	Ø500	90	24	28500kg _f ±5%	828	33A
KCPM-CIRRA-1500B	Ø1500	Ø500	100	24	39900kg _f ±5%	1325	24A
KCPM-CIRRA-1600B	Ø1600	Ø500	100	24	45600kg _f ±5%	1507	24A
KCPM-CIRRA-1800B	Ø1800	Ø800	100	36	59850kg _f ±5%	2290	33A
KCPM-CIRRA-2000B	Ø2000	Ø1000	110	36	59850kg _f ±5%	2490	33A

MODEL NO.	CONTROLLER (included)	VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)
KCPM-CIRRA-500B	T1	CHUCK DC 380V	15A	T1
KCPM-CIRRA-600B	T2		15A	T2
KCPM-CIRRA-800B	T2		28A	T2
KCPM-CIRRA-1000B	T4		20A	T4
KCPM-CIRRA-1250B	T4	CONTROLLER AC 380V / 440V	18A	T4
KCPM-CIRRA-1500B	T8		25A	T8
KCPM-CIRRA-1600B	T8		20A	T8
KCPM-CIRRA-1800B	T8		28A	T8
KCPM-CIRRA-2000B	T8		28A	T8

KCPM-CIRRA-B



Option Accessories-Induction Block



Features:

- 1. Induction Block KCPM-CIRRA series are use with KCPM-CIRRA chucks, can be increased to more functions on workholding.
- 2. Convenience and Accuracy: Induction Block are interchanging & consuming accessories, you can machining surface or forming induction blocks for the workpiece required by the machine directly, so the parallelism of induction block will always 100% match to the machine.

Unit:mm

MODEL	MODEL	LENGTH	WIDTH	HEIGHT
KCPM-CIRRA-300A	KCPM-CIRRA-300IT/IS	96	35	15
KCPM-CIRRA-400A	KCPM-CIRRA-400IT/IS	155	35	
KCPM-CIRRA-500A	KCPM-CIRRA-500IT/IS	190	35	
KCPM-CIRRA-500B	KCPM-CIRRA-500IT/IS	120	60	20
KCPM-CIRRA-600B	KCPM-CIRRA-600IT/IS	180	60	
KCPM-CIRRA-800B	KCPM-CIRRA-800IT/IS	240	55	

Unit:mm

MODEL	MODEL	LENGTH	WIDTH	HEIGHT
KCPM-CIRRA-1000B	KCPM-CIRRA-1000IT/IS	335	55	20
KCPM-CIRRA-1250B	KCPM-CIRRA-1250IT/IS	350	60	
KCPM-CIRRA-1500B	KCPM-CIRRA-1500IT/IS	465	65	
KCPM-CIRRA-1600B	KCPM-CIRRA-1600IT/IS	525	65	
KCPM-CIRRA-1800B	KCPM-CIRRA-1800IT/IS	465	65	
KCPM-CIRRA-2000B	KCPM-CIRRA-2000IT/IS	475	65	

Applications

