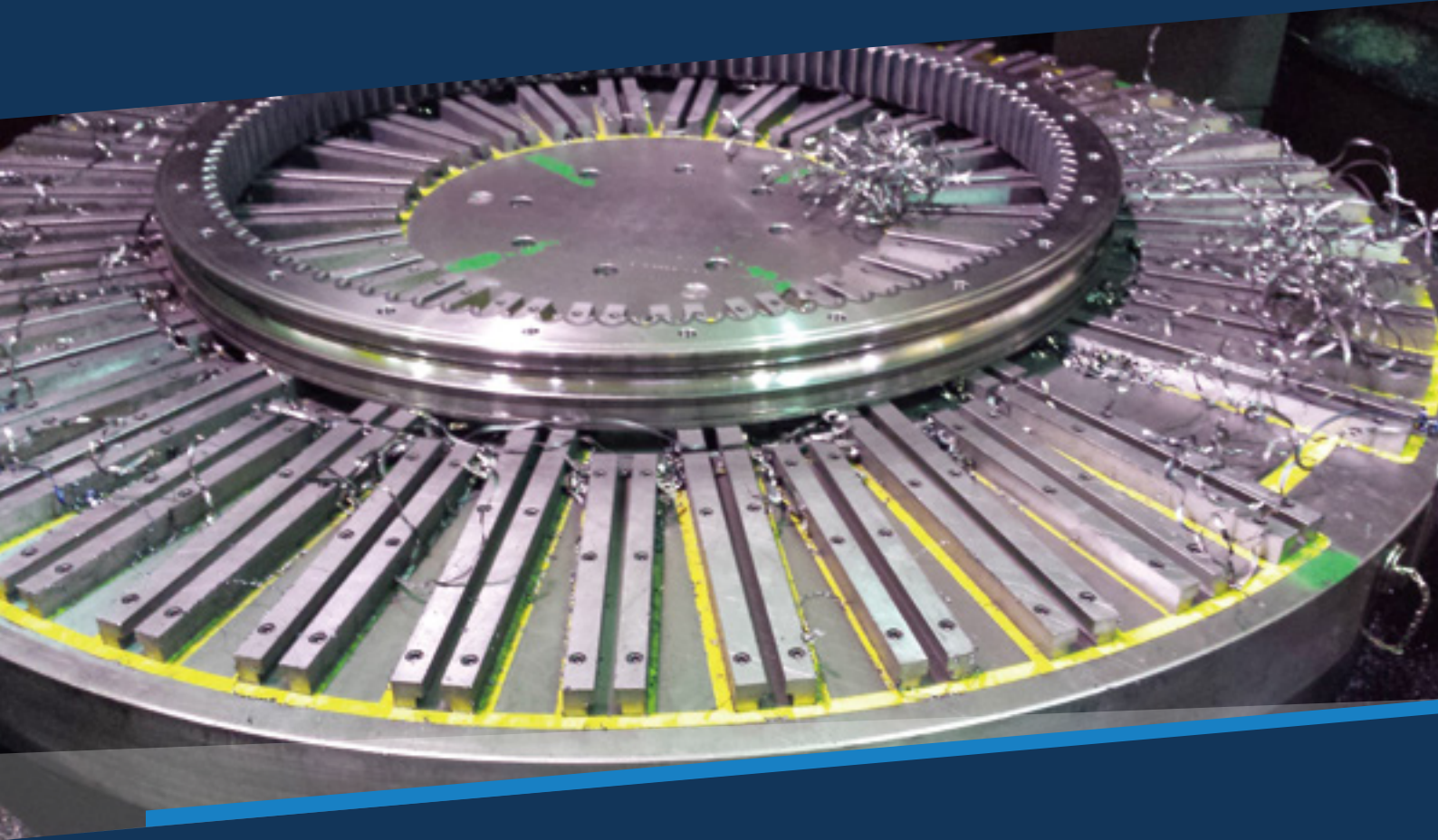




MAGNETIC WORKHOLDING

Magnetic Clamping Technology





ABOUT US

REALPOWER MAGNETIC Tech. is a professional magnetic tool designer and manufacturer with 10 years experience in China, offering over 20 various kinds of magnetic tools especially electro-permanent magnetic chuck, permanent magnetic chuck, lifting magnet. Those products are widely used for CNC machine, traditional machine, mould machining, warehouse, industry field and many mechanical process etc.

REALPOWER MAGNETIC Tech. is monthly output up to 500 sets EP-chucks, permanent magnetic chuck and lifting magnets. REALPOWER thus able to apply considerable technology and know-how to the design and manufacture today's most efficient and reliable magnetic tools. We are very proud of Electro-permanent magnetic chuck developed by our company, and our customers all over the world have had great success with it. REALPOWER could be the best manufacturer that you can trust in China.

REALPOWER MAGNETIC will do "high-accuracy, high-quality, high-efficient" to satisfy the worldwide customers. Welcome to contact with us for any information!

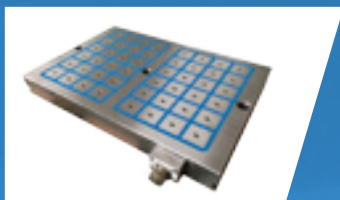
MAGNETIC WORKHOLDING



PRODUCT CATALOG

Magnetic workholding

Electro permanent magnetic chuck(EPM chuck)



Page 10~14:

**Rectangular EPM chuck
with square poles**

EPM50H/EPM50/EPM50S/
EPM75H/EPM75/EPM75S/
FS-EPM



Page 15~16:

**Round EPM chuck with
radial/square poles**

EPQ/EPR

Permanent magnetic chuck(PM chuck)



Page 19~23:

Rectangular PM chuck
PMM/PMS/PMSF/PMSM/
PME



Page 24~27:

Round PM chuck
RMM/RMF/RMC/RMR

Magnetic vise(MV)



Page 31~32:

Magnetic vise
DMV/MMV

Magnetic lifting



Page 34~36:

Lifting magnet
LMA/LMB



Page 37:

Battery lifting magnet
BEPML



Page 18:
Rectangular EPM chuck with parallel poles
 EPF/EPS



Page 28~29:
Sine PM chuck
 MCS/MCC/UMCS



Page 30:
Special PM chuck
 ZPMM

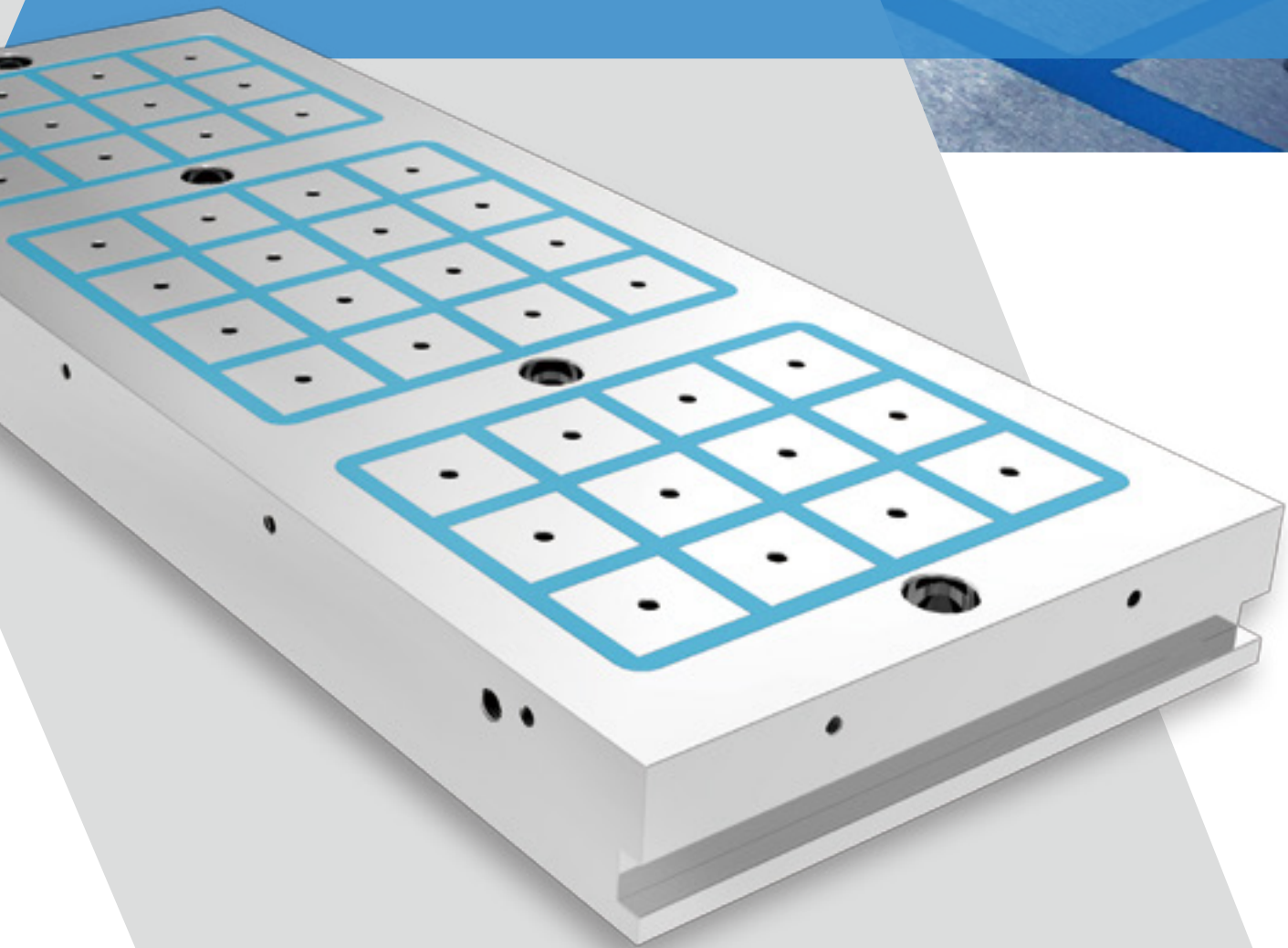


Page 38~44:
Electro permanent magnetic lifter
 EPML-Q/ EPML-R/EPML-TSH/
 EPML-MSH/EPML-BSH/EPML-VSH/
 EPML-CH/EPML-BH/EPML-RSH/
 EPML-RH/EPML-TB

Magnetic Workholding

INTRODUCTION

Electro permanent magnetic chucks are widely used in milling and grinding machines. This is a new clamping tool comparing to traditional machinery tool. The EPM double magnetic system contains a series of independent square poles in a chess board arrangement and could alternate N/S. The special structure makes it capable to generate a high concentrated force through a mesh of multiple magnetic seams that permit the magnetic flux to circulate in a horizontal and flat field.



ADVANTAGES

- ◆ More convenient and high efficiency
- ◆ 5-sided machining is possible in one clamp
- ◆ Energy saving, no electric power supply during clamping
- ◆ Very Easy and quick to set up, no modification to the machine and line
 - ◆ Workpieces larger than table surface are machinable
 - ◆ Constant and concentrated force during clamping
 - ◆ Reduced consumption of tools
 - ◆ Improved finishing and greater accuracies
- ◆ Facilitated interaction with CAD/CAM system, simplified CNC or FMS programming

How does the EPM chuck work

Magnetization

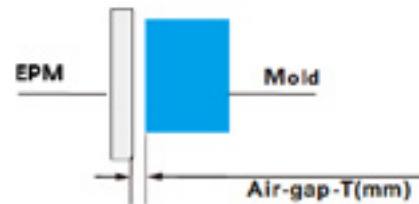
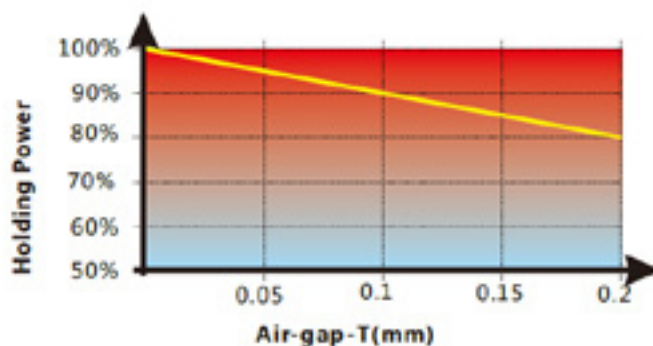
In the "MAG" phase, magnetism of the strong permanent magnet applied to the upper surface of the chuck through the square pole. With the N/S pole alternately arranged, a magnetic field is generated between the adjacent poles and which securely holds the workpieces.

Demagnetization

In the "DEMAG" phase, the reversible magnet on the bottom of the square pole will change the polarity when sending a electric current through the coil of the magnet. This operation converges the magnetism of the permanent magnet to extinguish the magnetic field on the upper surface of the chuck and releases the workpiece

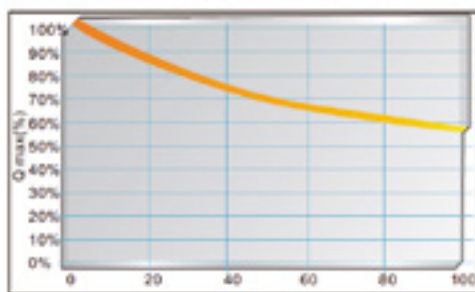
The relationship between holding force and air gap

Holding Power-Air Gap Curve



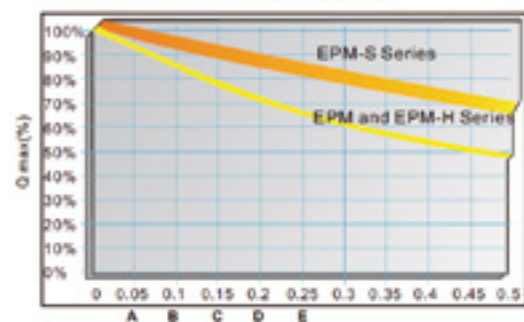
1. The relationship between holding force and height of pole extension

Curves for stock removal/extensions height



2. The relationship between holding force and materials

Curves for stock removal/surface conditions



A=milled
B=rough-sized
C=stamped/rolled
D=shell casting
E=stand casting



Features of REALPOWER EPM chucks



The holding force of the EPM chuck is 16.5kg/cm^2 (400kgf for pole50).

Monoblock steel frame ensure a much more strong structure with no vibration.



Sealed by two layers of epoxy. It could avoid the gap during freezing, which could prevent the inside coils from the cooling oil or water.

IP 65 waterproof structure.



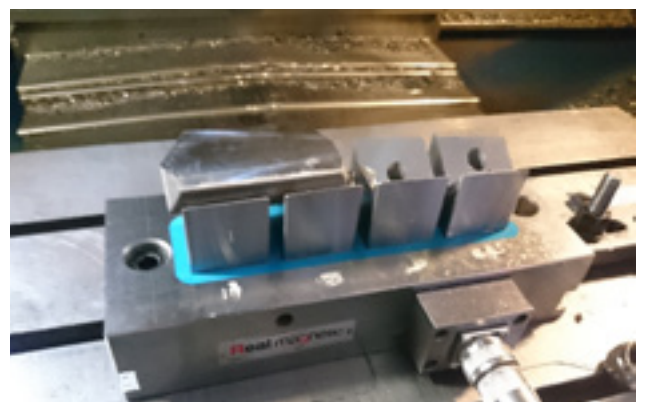
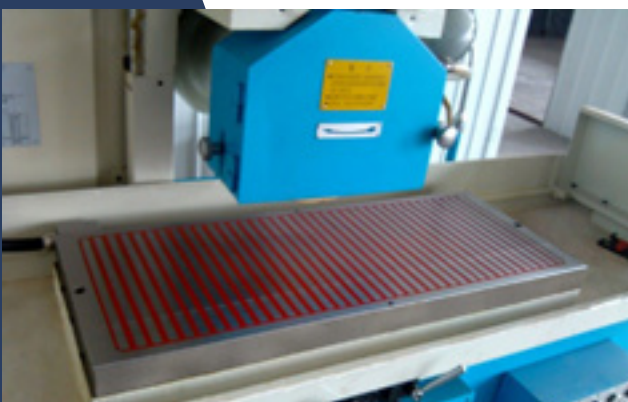
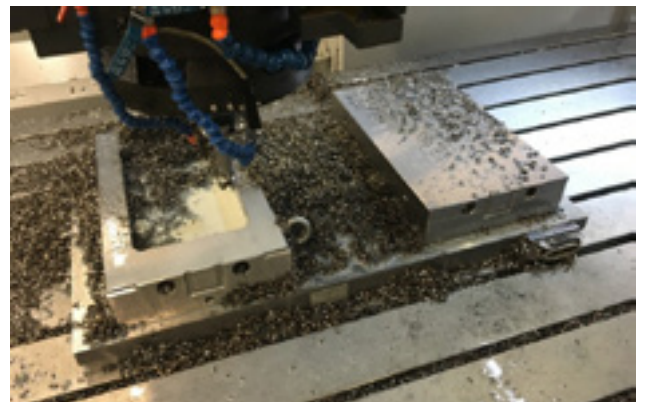
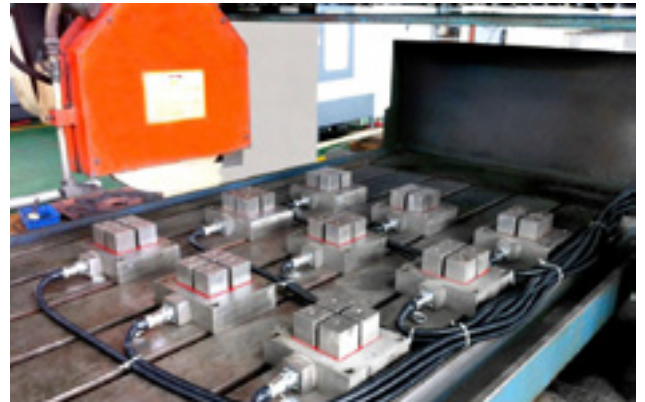
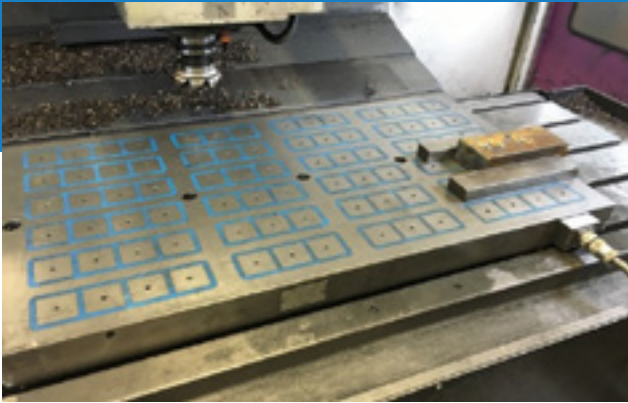
150*100 EPM chuck with only 2 poles.

2500*1800 EPM chuck with 648 poles.



We provide magnetic solutions for our customers.....

REALPOWER EPM chucks could be used in the milling, grinding, drilling, boring, tapping process. The application including cnc machine, milling machine, grinding machine, drilling machine, lathe machine and etc.



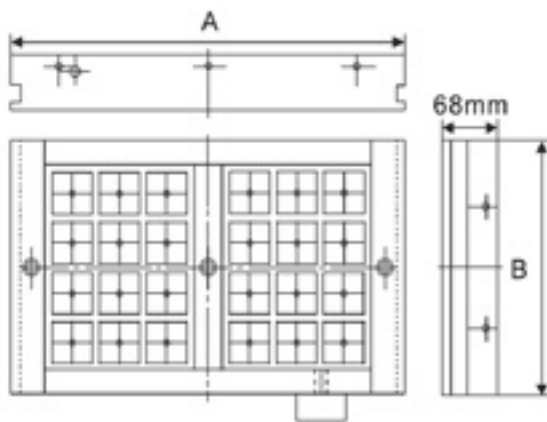
EPM 50H series

Product Pictures



EPM50H 400×600mm with 48 poles.

The Brief Drawing



Application

- For milling and grinding processes
- Best suited for workpieces at least 250x250mm and 10mm thick, also with limited thickness and normal operating air gaps

Features

- Pole size : 50 × 50mm
- 380kgf for each pole
- High poles density
- Magnetic field depth : 10mm
- 5-sided machining is possible in one clamp
- Energy saving, no electric power supply during clamping
- Workpieces larger than table surface are machinable
- Facilitated interaction with CAD/CAM system, simplified CNC or FMS programming
- Reduced consumption of tools
- Improved finishing and greater accuracies
- More convenient and high efficiency



• waterproof fast connector



• Control unit & remote controller

SPECIFICATIONS

MODEL	LENGTH A(MM)	WIDTH B(MM)	HEIGHT H(MM)	WEIGHT (KG)	NUMBER OF POLES(PCS)
EPM50H-303	329	303	66	50	16
EPM50H-305	491	303	66	75	24
EPM50H-306	609	303	66	95	32
EPM50H-405	491	421	66	100	36
EPM50H-406	609	421	66	130	48
EPM50H-508	771	480	66	195	70
EPM50H-608	771	598	66	235	90
EPM50H-610	1007	598	66	325	126

Other size on request

EPM 50 series

Product Pictures



EPM50 200×800mm with 20 poles.

Application

- For milling and grinding processes
- Best suited for workpieces at least 250x250mm and 10mm thick, also with limited thickness and normal operating air gaps

Features

- Pole size : 50 ×50mm
- 380kgf for each pole
- Magnetic field depth : 10mm

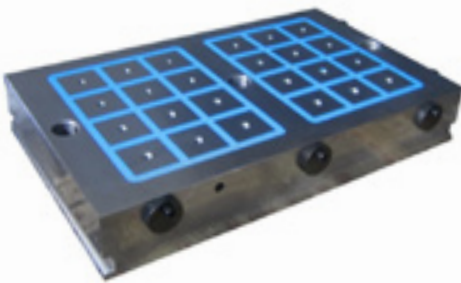
SPECIFICATIONS

MODEL	LENGTH A(MM)	WIDTH B(MM)	HEIGHT H(MM)	WEIGHT (KG)	NUMBER OF POLES(PCS)
EPM50-303	329	302	66	50	12
EPM50-305	491	302	66	75	18
EPM50-306	609	302	66	95	24
EPM50-405	491	390	66	95	24
EPM50-406	609	390	66	125	32
EPM50-508	771	478	66	190	50
EPM50-608	771	566	66	230	60
EPM50-610	1051	566	66	315	84

Other size on request

EPM 50S series

Product Pictures



EPM50S 300×500mm with 24 poles.

Application

- For milling and grinding processes
- Best suited for workpieces at least 250x250mm and 10mm thick, also with limited thickness and normal operating air gaps

Features

- Pole size : 50 ×50mm
- 450kgf for each pole
- High poles density
- Magnetic field depth : 10mm

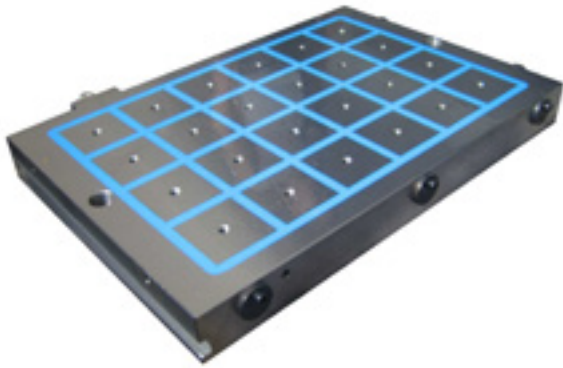
SPECIFICATIONS

MODEL	LENGTH A(MM)	WIDTH B(MM)	HEIGHT H(MM)	WEIGHT (KG)	NUMBER OF POLES(PCS)
EPM50S-303	329	303	84	62	16
EPM50S-305	491	303	84	93	24
EPM50S-306	609	303	84	118	32
EPM50S-405	491	421	84	123	36
EPM50S-406	609	421	84	160	48
EPM50S-508	771	480	84	241	70
EPM50S-608	771	598	84	290	90
EPM50S-610	1007	598	84	400	126

Other size on request

EPM75H series

Product Pictures



EPM75H 400×600mm with 24 poles.

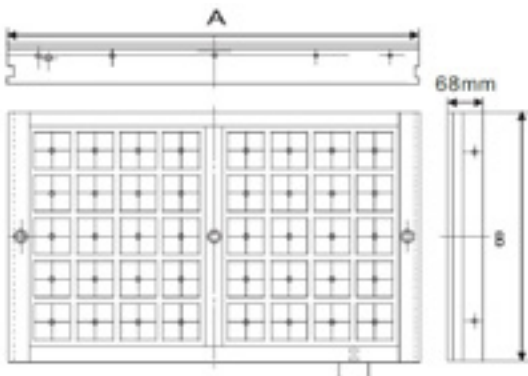
Application

- For milling and grinding processes
- Best suited for workpieces at least 400x400mm and 18mm thick, also with normal operating air gaps

Features

- Pole size : 75 ×75mm
- 750 kgf for each pole
- High poles density
- Magnetic field depth : 18mm
- 5-sided machining is possible in one clamp
- Energy saving, no electric power supply during clamping
- Workpieces larger than table surface are machinable
- Facilitated interaction with CAD/CAM system, simplified CNC or FMS programming
- Reduced consumption of tools
- Improved finishing and greater accuracies
- More convenient and high efficiency

The Brief Drawing



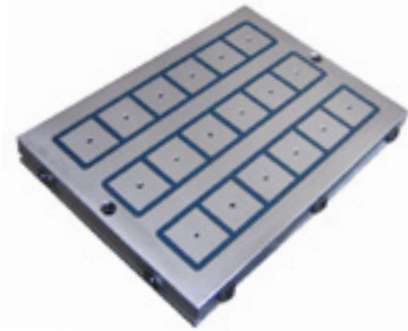
SPECIFICATIONS

MODEL	LENGTH A(MM)	WIDTH B(MM)	HEIGHT H(MM)	WEIGHT (KG)	NUMBER OF POLES(PCS)
EPM75H-306	611	327	64	95	18
EPM75H-406	611	413	64	125	24
EPM75H-408	783	413	64	165	32
EPM75H-506	611	500	64	150	30
EPM75H-508	829	500	64	200	40
EPM75H-606	611	585	64	180	36
EPM75H-608	829	585	64	240	48
EPM75H-610	1001	585	64	295	60

Other size on request

EPM75 series

Product Pictures



EPM75 500×600mm with 18 poles.

Application

- For milling and grinding processes
- Best suited for workpieces at least 400x400mm and 18mm thick, also with normal operating air gaps

Features

- Pole size : 75 ×75mm
- 750 kgf for each pole
- Magnetic field depth : 18mm

SPECIFICATIONS

MODEL	LENGTH A(MM)	WIDTH B(MM)	HEIGHT H(MM)	WEIGHT (KG)	NUMBER OF POLES(PCS)
EPM75-306	611	272	64	95	12
EPM75-308	783	272	64	125	16
EPM75-310	1001	272	64	155	20
EPM75-506	611	389	64	125	18
EPM75-508	783	389	64	165	24
EPM75-606	611	506	64	180	24
EPM75-608	783	506	64	200	32
EPM75-610	1001	506	64	295	40

Other size on request

EPM75S series

Product Pictures



EPM75S 200×400mm with 8 poles.

Application

- For milling and grinding processes
- Best suited for workpieces at least 400x400mm and 18mm thick, also with high operating air gaps

Features

- Pole size : 75 ×75mm
- 850 kgf for each pole
- High poles density
- Magnetic field depth : 18mm

SPECIFICATIONS

MODEL	LENGTH A(MM)	WIDTH B(MM)	HEIGHT H(MM)	WEIGHT (KG)	NUMBER OF POLES(PCS)
EPM75S-306	611	327	80	110	18
EPM75S-406	611	413	80	145	24
EPM75S-408	697	413	80	190	32
EPM75S-506	611	500	80	170	30
EPM75S-508	829	500	80	225	40
EPM75S-606	611	585	80	205	36
EPM75S-608	829	585	80	270	48
EPM75S-610	1001	585	80	335	60

Other size on request

EPM-FS series

Product Pictures



Application

- For milling and grinding processes
- Best suited for workpieces at least 250x250mm and 10mm thick, also with limited thickness and normal operating air gaps

Features

- Full steel structure
- Excellent water proof capacity
- Pole size : 50 ×50mm
- 350 kgf for each pole
- High poles density
- Magnetic field depth : 10mm
- Energy saving, no electric power supply during clamping
- Workpieces larger than table surface are machinable
- Facilitated interaction with CAD/CAM system, simplified CNC or FMS programming
- Reduced consumption of tools
- Improved finishing and greater accuracies
- More convenient and high efficiency



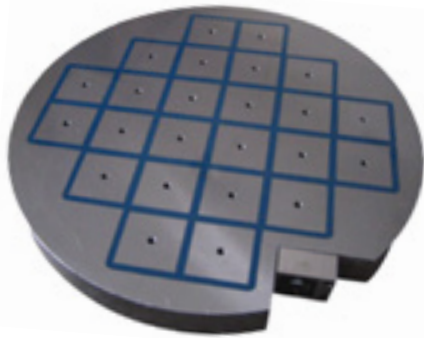
SPECIFICATIONS

MODEL	LENGTH A(MM)	WIDTH B(MM)	HEIGHT H(MM)	WEIGHT (KG)	NUMBER OF POLES(PCS)
EPMFS-303	329	303	66	50	16
EPMFS-305	491	303	66	75	24
EPMFS-306	609	303	66	95	32
EPMFS-405	491	421	66	100	36
EPMFS-406	609	421	66	130	48
EPMFS-508	771	480	66	195	70
EPMFS-608	771	598	66	235	90
EPMFS-610	1007	598	66	325	126

Other size on request

EPQ series

Product Pictures



Application

- For lathe
- Best suited for workpieces at least 400x400mm and 18mm thick, also with normal operating air gaps

Features

- Pole size : 50 × 50/75 × 75mm
- 400/750 kgf for each pole
- High poles density
- Magnetic field depth : 18mm

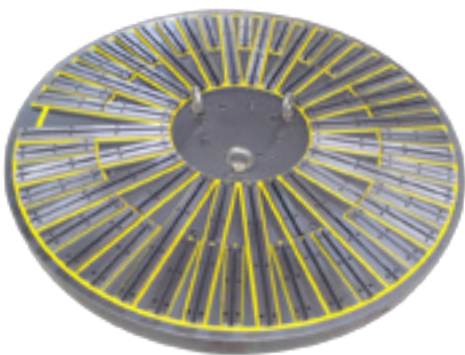
SPECIFICATIONS

MODEL	DIMENSION(MM)									WEIGHT(KG)
	A	B	C	D	E	F	G	H	I	
EPQ500	500	68	280	4	320	M16(6X)	16	100	15	160
EPQ600	600	68	350	4	390	M16(6X)	18	100	15	230
EPQ800	800	68	500	4	560	M16(6X)	18	180	18	430
EPQ900	900	68	500	4	560	M16(6X)	18	180	18	560
EPQ1000	1000	68	500	4	620	M16(8X)	18	200	18	720

Other size on request

EPR series

Product Pictures



Application

- For lathe

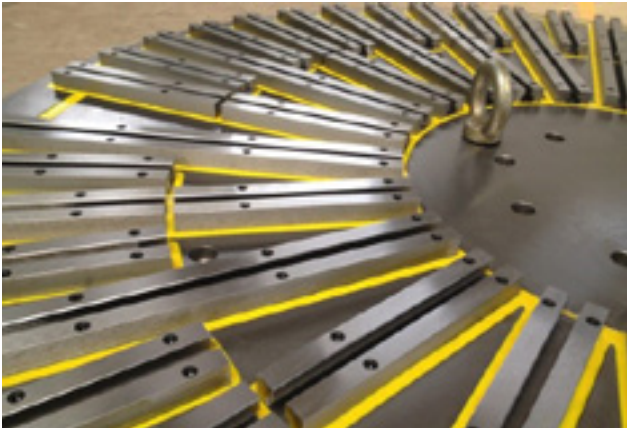
Features

- Max diameter can up to 3800mm
- T-slots could be available according to the request of customers
- Sealed to IP 65
- 3-sided machining is possible in one clamp

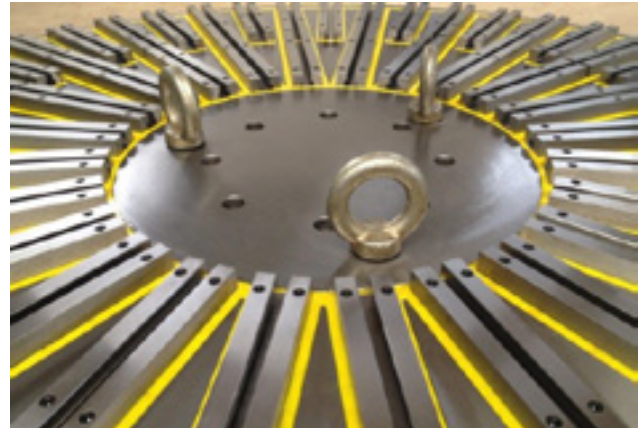
SPECIFICATIONS

MODEL	DIMENSION(MM)									WEIGHT(KG)
	A	B	C	D	E	F	G	H	I	
EPR500	500	68	280	4	320	M16(6X)	16	100	15	160
EPR600	600	68	350	4	390	M16(6X)	18	100	15	230
EPR800	800	68	500	4	560	M16(6X)	18	180	18	430
EPR900	900	68	500	4	560	M16(6X)	18	180	18	560
EPR1000	1000	68	500	4	620	M16(8X)	18	200	18	720

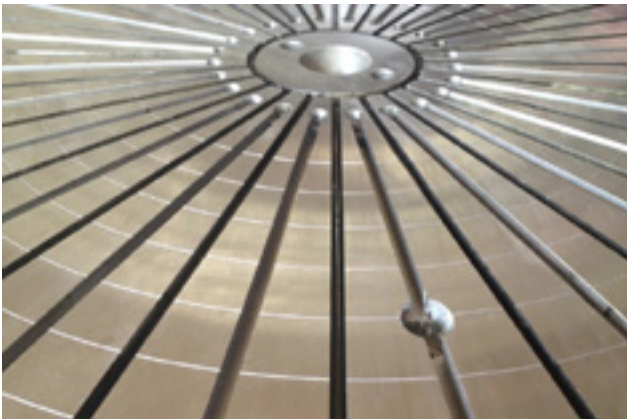
Other size on request



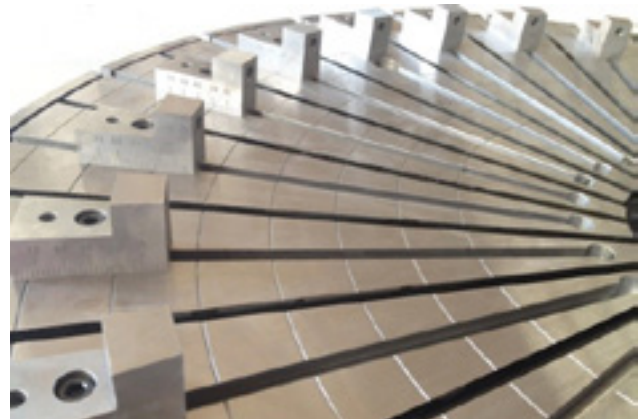
T-slots according to customer's request



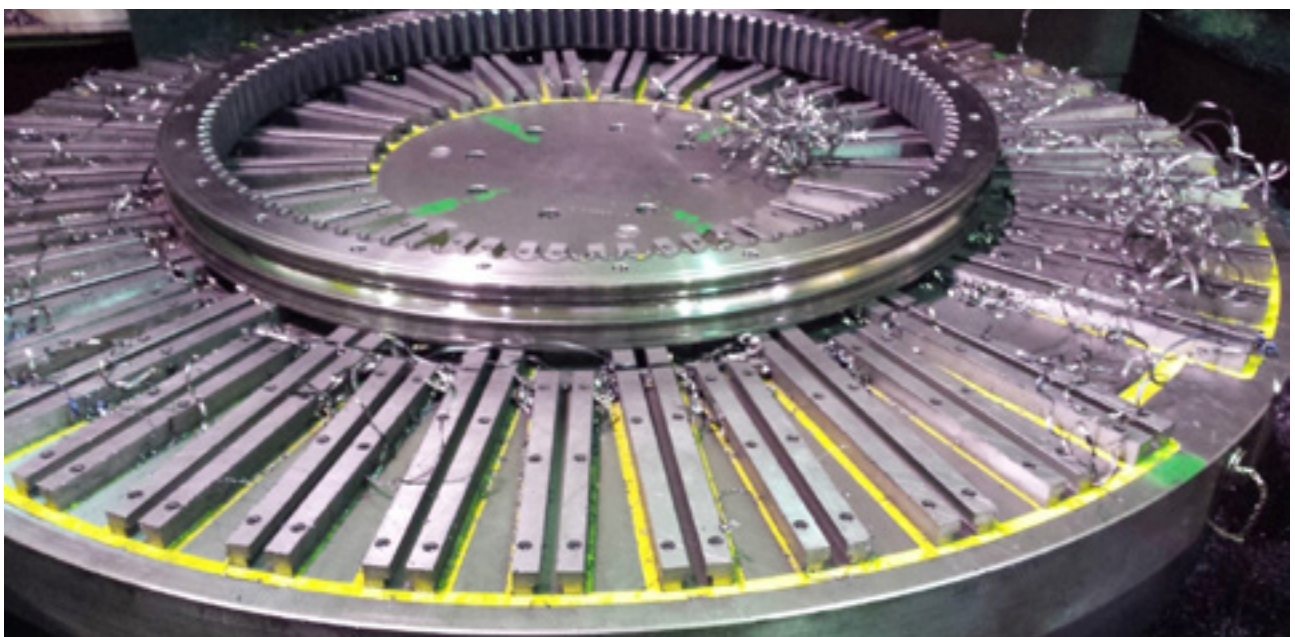
Hanging holes for the installation of the chuck



EPR chuck with full-steel structure



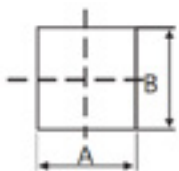
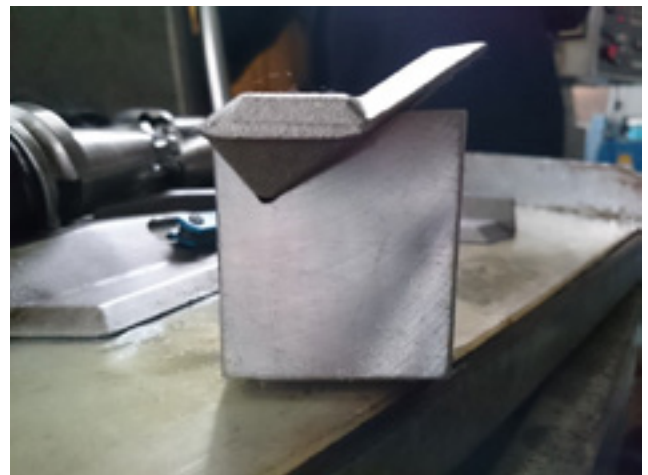
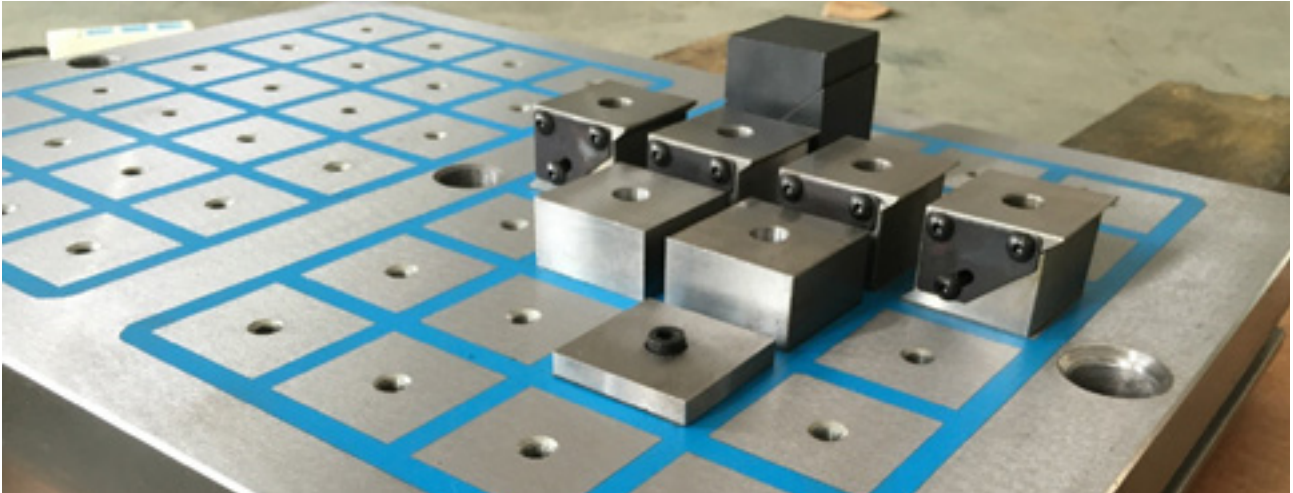
Pole extensions with dividing ruler



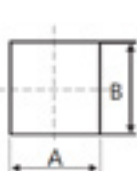
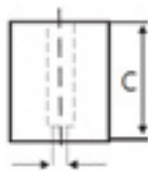
EPR chuck applied on the lathe machine.

POLE EXTENSIONS

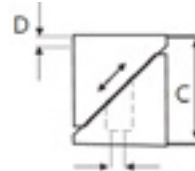
Pole extensions are used to accommodate the special geometry shape of workpieces. The pole extensions are made of cold-drawn steel, which is easy to conduct the magnetism of chuck to the surface of workpieces.



• Fixed pole extension



• Flexible pole extension



• Special monoblock pole extension with 4 poles .

SPECIFICATIONS

MODEL	DIMENSION (MM)			
	A	B	C	D
PE50FH	50	48	60	/
PE50FL	50	48	30	/
PE75FH	75	70	60	/
PE75FL	75	70	30	/
PE50EH	50	48	60	7
PE50EL	50	48	30	3
PE75EH	75	70	60	7
PE75EL	75	70	30	3

Other size on request

EPF series

Product Pictures



Description

- Electro permanent magnetic chuck with parallel poles

Application

- For grinding machine

Features

- 100N/cm² holding force
- Energy saving, no electric power supply during clamping
- Reduced consumption of tools
- Improved finishing and greater accuracies
- More convenient and high efficiency

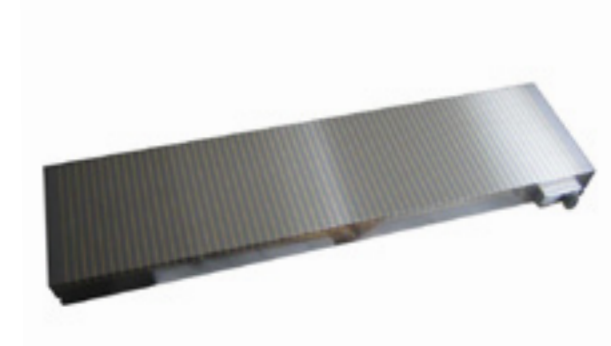
SPECIFICATIONS

MODEL	LENGTH A(MM)	WIDTH B(MM)	HEIGHT H(MM)	WEIGHT (KG)	POLE PITCH(MM)
EPF 2050	200	500	80	73	2+4
EPF 2060	200	600	80	86	2+4
EPF 2575	250	750	80	135	2+4
EPF 25100	250	1000	80	195	2+4
EPF 3060	300	600	85	125	2+4
EPF 4060	400	600	88	162	2+4
EPF 4090	400	900	88	247	2+4
EPF 5075	500	750	90	258	2+4

Other size on request

EPS series

Product Pictures



Application

- For heavy duty grinding and milling machine

Features

- 150N/cm² holding force
- Energy saving, no electric power supply during clamping
- Reduced consumption of tools
- Improved finishing and greater accuracies
- More convenient and high efficiency

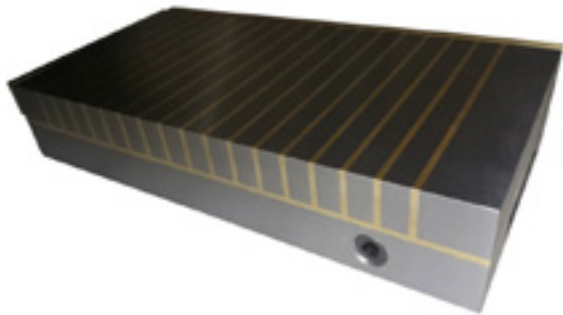
SPECIFICATIONS

MODEL	LENGTH A(MM)	WIDTH B(MM)	HEIGHT H(MM)	WEIGHT (KG)	POLE PITCH(MM)
EPS 2050	200	500	80	73	3+12
EPS 2060	200	600	80	86	3+12
EPS 2575	250	750	80	135	3+12
EPS 25100	250	1000	80	195	3+12
EPS 3060	300	600	85	125	3+12
EPS 4060	400	600	88	162	3+12
EPS 4090	400	900	88	247	3+12
EPS 5075	500	750	90	258	3+12

Other size on request

PMM series

Product Pictures



PMM 150x300mm with pole pitch: 3+12mm

Description

- Powerful permanent magnetic chuck

Application

- For heavy machining, such as milling and planing
- Can be used for small, medium and large workpieces, including those with rough or uneven surfaces.
- No stray magnetic field, preventing tool from magnetization
- Suitable for carbon alloy process

Attachments



Features

- Very strong neodymium magnetic system
- Can be switched ON or OFF by hand lever
- The magnetic field is dense and mass
- Nominal holding force: 150 N/cm²
- Magnetic field depth: 12mm
- Pole plate wearing limit: 5mm
- Pole pitch 4+15 mm can be produced



- PMM chuck with holes for poles installation



- PMM chuck applied in milling machine.



- Parallelism test of Permanent magnetic chuck

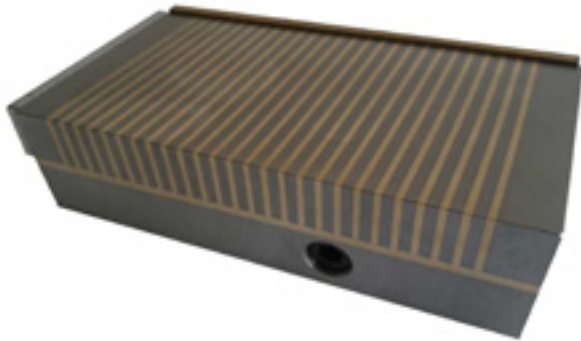
SPECIFICATIONS

MODEL	DIMENSIONS(MM)			WEIGHT (KG)	POLE PITCH (MM)
	LENGTH	WIDTH	HEIGHT		
PMM1018	180	100	56	9.5	3+12
PMM1525	250	150	56	20	3+12
PMM1530	300	150	56	24	3+12
PMM2040	400	200	56	35	3+12
PMM2060	600	200	56	52	3+12
PMM3050	500	300	56	56	3+12
PMM3060	600	300	56	67	3+12

Other size on request

PMS series

Product Pictures



Description

- Standard pole permanent magnetic chuck

Application

- For grinding and light cutting application
- Best for large and thick size workpiece

Attachments



Features

- Strong magnetic force and less remaining magnetism
- With coolant and water proof structure
- Can be switched ON or OFF by hand lever
- With parallelism, flatness and squareness 0.005mm/100mm
- Nominal holding force: 100 N/cm²
- Magnetic field depth: 8mm
- Pole plate wearing limit: 5mm
- Pole pitch: steel 4mm, brass 2mm



- Installation of permanent magnetic chuck with side clamping slots

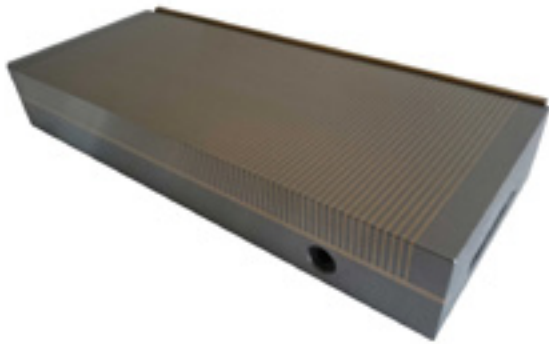
SPECIFICATIONS

MODEL	DIMENSIONS(MM)			WEIGHT (KG)	POLE PITCH (MM)
	LENGTH	WIDTH	HEIGHT		
PMS1018	104	180	49	6.5	2+4
PMS1325	130	250	49	11.5	2+4
PMS1530	150	300	51	15.5	2+4
PMS2040	200	400	51	32	2+4
PMS2060	200	600	51	52	2+4
PMS3050	300	500	56	60	2+4
PMS3060	300	600	56	72	2+4

Other size on request

PMS F series

Product Pictures



Description

- Fine pole rectangular magnetic chuck

Application

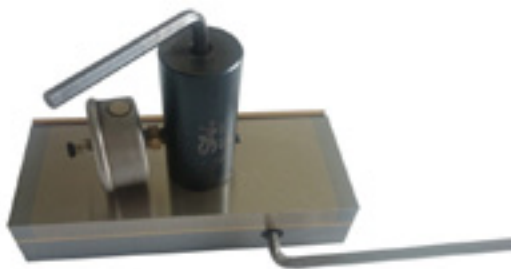
- For grinding application
- Best for medium size workpiece

Attachments



Features

- Strong magnetic force and less remaining magnetism
- With coolant and water proof structure
- Can be switched ON or OFF by hand lever
- With parallelism, flatness and squareness 0.005mm/100mm
- Nominal holding force: 90 N/cm²
- Magnetic field depth: 8mm
- Pole plate wearing limit: 5mm
- Pole pitch: steel 3mm, brass 1mm



- Holding force tester provided by SAV group

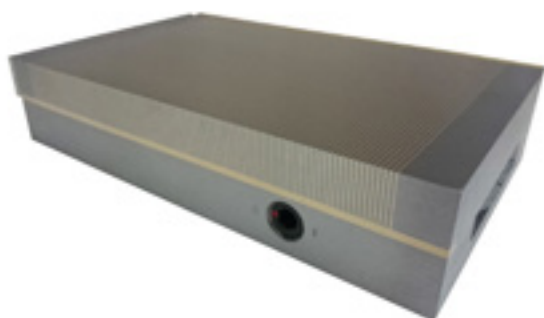
SPECIFICATIONS

MODEL	DIMENSIONS(MM)			WEIGHT (KG)	POLE PITCH (MM)
	LENGTH	WIDTH	HEIGHT		
PMS1018F	104	180	49	6.5	1+3
PMS1325F	130	250	49	11.5	1+3
PMS1530F	150	300	51	15.5	1+3
PMS2040F	200	400	51	32	1+3
PMS2060F	200	600	51	52	1+3
PMS3050F	300	500	56	60	1+3
PMS3060F	300	600	56	72	1+3

Other size on request

PMS M series

Product Pictures



Description

- Micro pole rectangular magnetic chuck

Application

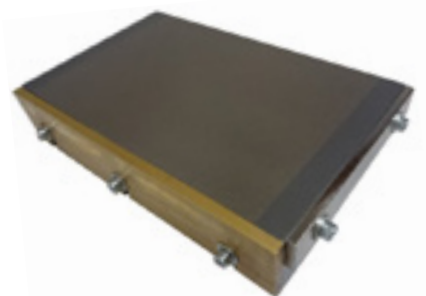
- For grinding application
- Best for medium size workpiece

Attachments



Features

- Strong magnetic force and less remaining magnetism
- With coolant and water proof structure
- Can be switched ON or OFF by hand lever
- With parallelism, flatness and squareness 0.005mm/100mm
- Nominal holding force: 90 N/cm²
- Magnetic field depth: 8mm
- Pole plate wearing limit: 5mm
- Pole pitch: steel 1.5mm, brass 0.5mm



- Side stopper of permanent magnetic chuck



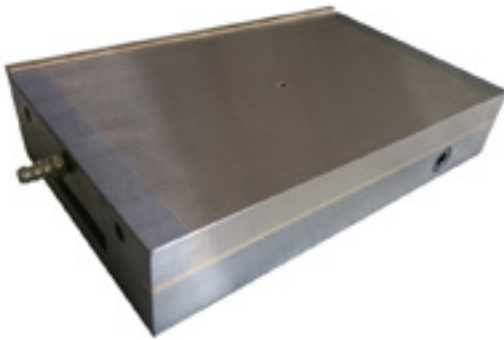
SPECIFICATIONS

MODEL	DIMENSIONS(MM)			WEIGHT (KG)	POLE PITCH (MM)
	LENGTH	WIDTH	HEIGHT		
PMS1018M	104	180	49	6.5	0.5+1.5
PMS1325M	130	250	49	11.5	0.5+1.5
PMS1530M	150	300	51	15.5	0.5+1.5
PMS2040M	200	400	51	32	0.5+1.5
PMS2060M	200	600	51	52	0.5+1.5
PMS3050M	300	500	56	60	0.5+1.5
PMS3060M	300	600	56	72	0.5+1.5

Other size on request

PME series

Product Pictures



Attachments

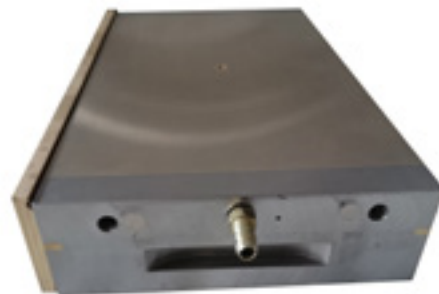


Application

- For grinding and EDM application
- Best for medium size workpiece

Features

- Integral flushing hole system in top plate for suction or pressure flushing of erosion
- Fine pole with iter-pole design minimizes magnetic flux height to ensure free flushing of erosion material
- Fully saturating magnetic design with positive-off ensures consistent performance across entire chuck face and full workpiece release
- Fully submersible for use in EDM baths
- Nominal holding force: 90 N/cm²



SPECIFICATIONS

MODEL	DIMENSIONS(MM)			WEIGHT (KG)	POLE PITCH (MM)
	LENGTH	WIDTH	HEIGHT		
PMS1018M	104	180	49	6.5	0.5+1.5
PMS1325M	130	250	49	11.5	0.5+1.5
PMS1530M	150	300	51	15.5	0.5+1.5
PMS2040M	200	400	51	32	0.5+1.5
PMS2060M	200	600	51	52	0.5+1.5
PMS3050M	300	500	56	60	0.5+1.5
PMS3060M	300	600	56	72	0.5+1.5

Other size on request

RMM series

Product Pictures



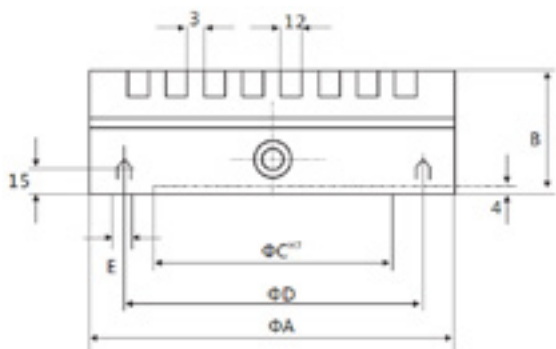
Description

- Powerful round permanent magnetic chuck

Application

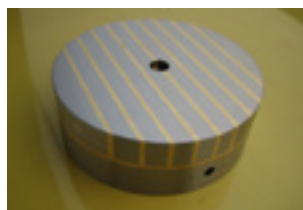
- For heavy cutting and carbon alloy process
- Suitable for workpieces that are difficult to clamp

The Brief Drawing



Features

- Extremely Strong holding force combined with slim construction
- With coolant and water proof structure
- Can be switched ON or OFF by hand lever
- Nominal holding force: 150 N/cm²
- Magnetic field depth: 10mm
- Pole plate wearing limit: 5mm
- Pole pitch: steel 12mm, brass 3mm
- Pole pitch 4+15 mm can be produced
- Center hole and concentric rings could be machined for positional guide.



SPECIFICATIONS

MODEL	DIMENSIONS (MM)					WEIGHT (KG)	POLE PITCH (MM)
	A	B	C	D	E		
RMM100	100	56	70	91	3xM5	3.5	3+12
RMM160	160	56	125	142	4xM8	9	3+12
RMM200	200	56	150	182	4xM8	14	3+12
RMM250	250	56	200	232	4xM8	22	3+12
RMM300	300	56	250	285	4xM8	31	3+12
RMM350	350	56	300	334	4xM8	43	3+12
RMM400	400	61	300	350	6xM10	60	3+12

Other size on request

RMF series

Product Pictures



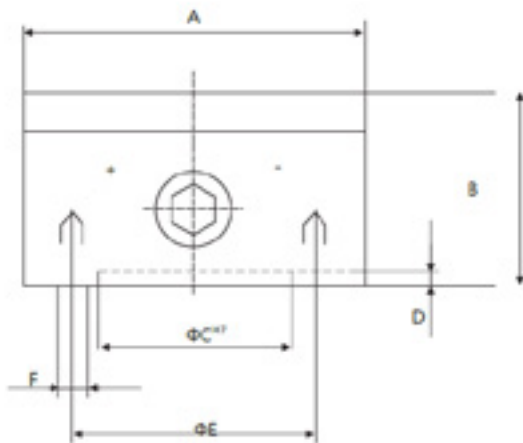
Description

- Fine pole round permanent magnetic chuck

Application

- Best for small and thin workpieces with medium size

The Brief Drawing



Features

- Extremely low height due to NdFeB magnets
- With coolant and water proof structure
- Can be switched ON or OFF by hand lever
- Nominal holding force: 90 N/cm²
- Magnetic field depth: 8mm
- Pole plate wearing limit: 5mm
- Pole pitch: steel 3mm, brass 1mm

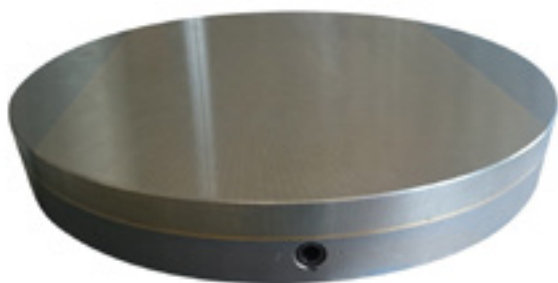
SPECIFICATIONS

MODEL	DIMENSIONS (MM)						WEIGHT (KG)	POLE PITCH (MM)
	A	B	C	D	E	F		
RMF100	100	51	80	2	88	M6(4x)	3.5	1+3
RMF160	160	51	125	2	140	M8(4x)	7.5	1+3
RMF200	200	51	160	2	180	M10(4x)	12	1+3
RMF250	250	51	200	2	224	M10(4x)	18	1+3
RMF300	300	51	250	2	280	M10(4x)	28	1+3
RMF350	350	51	280	2	310	M10(4x)	43	1+3
RMF400	400	51	315	2	355	M10(4x)	52	1+3

Other size on request

RMC series

Product Pictures



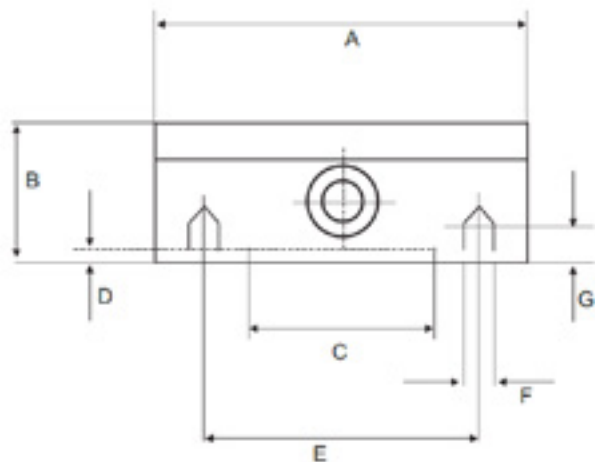
Description

- Micro pole round permanent magnetic chuck

Application

- For heavy cutting and carbon alloy process
- Best for small and thin workpieces with medium size

The Brief Drawing



Features

- Extremely low height due to NdFeB magnets
- With coolant and water proof structure
- Can be switched ON or OFF by hand lever
- Nominal holding force: 80 N/cm²
- Magnetic field depth: 8mm
- Pole plate wearing limit: 5mm
- Pole pitch: steel 1.5mm, brass 0.5mm

SPECIFICATIONS

MODEL	DIMENSIONS (MM)							WEIGHT (KG)	POLE PITCH (MM)
	A	B	C	D	E	F	G		
RMC100	100	51	65	2	85	3xM8	14	3.5	0.5+1.5
RMC160	160	51	125	2	140	4xM8	14	9	0.5+1.5
RMC200	200	51	160	2	180	4xM8	14	14	0.5+1.5
RMC250	250	51	200	2	224	4 xM10	14	22	0.5+1.5
RMC300	300	51	230	3	260	4 xM10	14	31	0.5+1.5
RMC350	350	51	300	4	330	4 xM10	16	60	0.5+1.5
RMC400	400	51	300	4	350	6 xM10	16	75	0.5+1.5

Other size on request

RMR series

Product Pictures



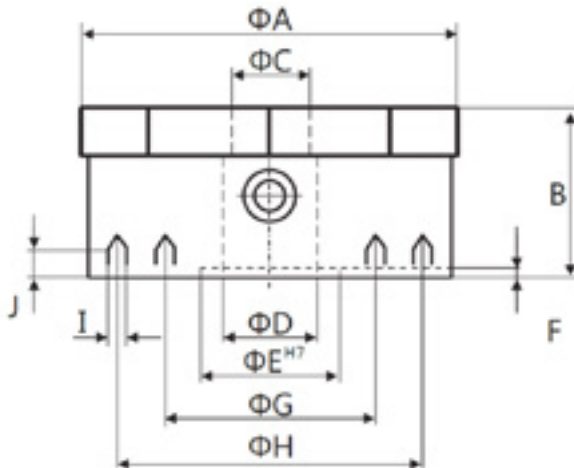
Description

- Radial pole round permanent magnetic chuck

Application

- For grinding and cutting process of round machine
- Best for cylindrical and ring-shaped workpieces

The Brief Drawing



Features

- With coolant and water proof structure
- Can be switched ON or OFF by hand lever
- Nominal holding force: 80~150N/cm²
- Magnetic field depth: 8mm
- Pole plate wearing limit: 5mm(A=150~300mm), 8mm(A=350~400mm)



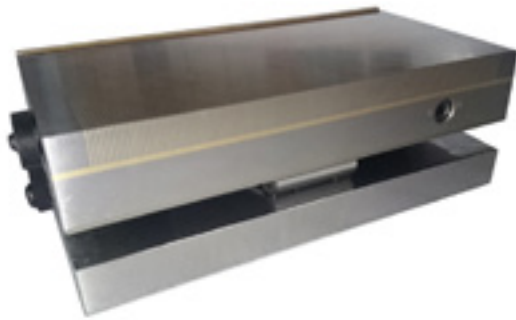
SPECIFICATIONS

MODEL	DIMENSIONS (MM)										WEIGHT (KG)	NUMBER OF POLES(PCS)
	A	B	C	D	E	F	G	H	I	J		
RMR100	100	56	14			5	76		3xM8	15	3.5	6
RMR160	160	56	20	24	50	5	80	120	4xM8	15	9	10
RMR200	200	56	28	30	50	5	110	180	4xM8	15	14	12
RMR250	250	56	30	50	60	5	140	220	4xM10	18	22	16
RMR300	300	56	40	58	80	5	180	260	4xM12	18	31	16
RMR350	350	56	40	58	150	5	220	300	4xM12	18	43	20
RMR400	400	61	40	58	170	5	260	340	4xM12	18	60	20

Other size on request

MCS series

Product Pictures



Description

- Single sine permanent magnetic chuck
- Positive locking at all angles without any distortion

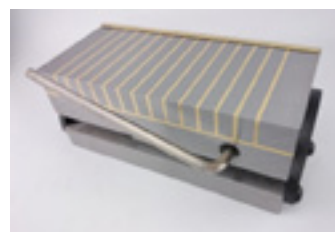
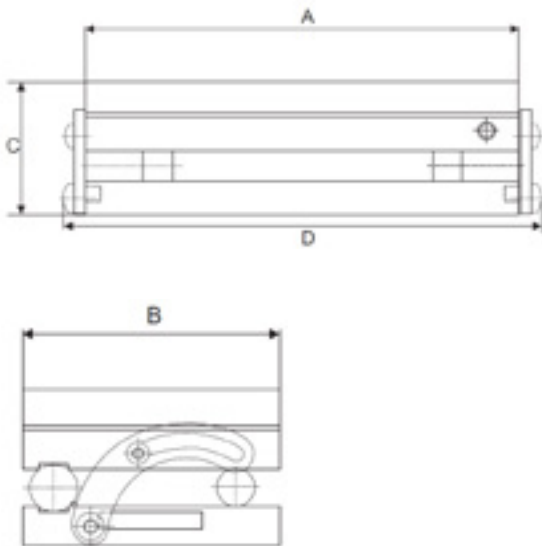
Application

- Ideal for high accuracy grinding operations
- Suitable for small workpieces

Features

- Holding force: 80 N/cm²
- High adjustment accuracy, no flatness change when switch On/Off
- Pole pitch: 0.5+1.5mm(3+12 pole pitch could also be available for heavy duty grinding)
- Made by hardened alloy tool steel
- Strong suction, small remanent magnetization, uniform magnetic force distribution
- Large effective machining area
- Angle precision 0.007/100mm, low height for more wheel clearance

The Brief Drawing



- MCS chuck with PMM magnetic plate

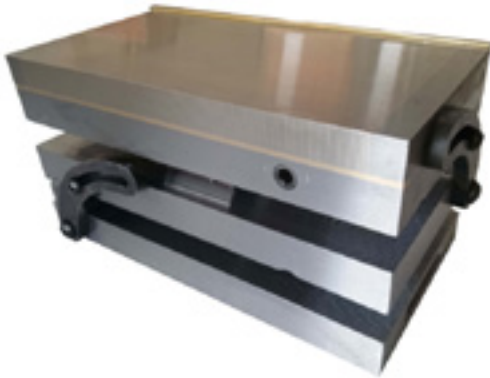
SPECIFICATIONS

MODEL	DIMENSIONS (MM)				WEIGHT (KG)	POLE PITCH (MM)	OPERATING ANGLE
	A	B	C	D			
MCS1018	180	104	100	215	10.5	0.5+1.5	0°-50°
MCS1025	250	104	100	285	15	0.5+1.5	0°-50°
MCS1225	250	120	100	285	17	0.5+1.5	0°-50°
MCS1530	300	150	100	335	25	0.5+1.5	0°-50°
MCS1545	450	150	110	380	37	0.5+1.5	0°-50°
MCS2040	400	200	110	435	44	0.5+1.5	0°-50°
MCS2050	500	200	110	535	55	0.5+1.5	0°-50°

Other size on request

MCC series

Product Pictures



Description

- Double sine permanent magnetic chuck
- Positive locking at all angles without any distortion

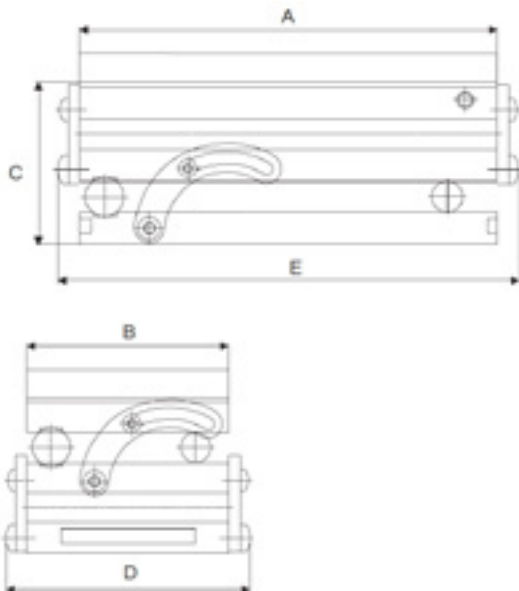
Application

- Ideal for high accuracy grinding operations
- Suitable for grinding EDM of angle process
- Wide range of workpieces can be used by tilting in length, breadth or compound angle

Features

- Holding force: 80 N/cm²
- Grind in two angles at the same time
- High adjustment accuracy, no flatness change when switch On/Off
- Pole pitch: 0.5+1.5mm
- Made by hardened alloy tool steel
- Strong suction, small remanent magnetization, uniform magnetic force distribution
- Large effective machining area
- Angle precision 0.007/100mm, low height for more wheel clearance

The Brief Drawing



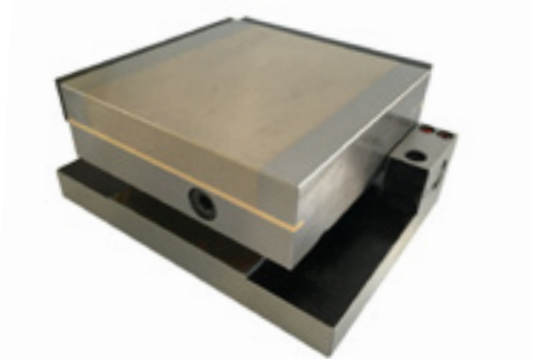
SPECIFICATIONS

MODEL	DIMENSIONS (MM)					WEIGHT (KG)	POLE PITCH (MM)	OPERATING ANGLE
	A	B	C	D	E			
MCC1025	250	104	150	140	285	22.5	0.5+1.5	0°-50°
MCC1225	250	120	150	155	285	26	0.5+1.5	0°-50°
MCC1530	300	150	150	185	335	39	0.5+1.5	0°-50°
MCC1535	350	150	150	185	385	45	0.5+1.5	0°-50°
MCC1545	450	150	160	185	485	59	0.5+1.5	0°-50°
MCC2040	400	200	160	235	435	69	0.5+1.5	0°-50°
MCC2050	500	200	160	235	450	86	0.5+1.5	0°-50°

Other size on request

U-MCS series

Product Pictures



Application

- Ideal for high accuracy grinding operations

Features

- Holding force: 80 N/cm²
- A positive locking device is mounted on the base
- Easy to use and a large effective area is provided for machining the workpieces
- The device provides positive locking at any angle without distortion
- Constructed of hardened alloy tool steel. Angle precision 0.007/100mm

SPECIFICATIONS

MODEL	DIMENSIONS (MM)			WEIGHT(KG)	POLE PITCH (MM)	OPERATING ANGLE
	LENGTH	WIDTH	HEIGHT			
U-MCS1018	180	104	100	10.5	0.5+1.5	0°-50°
U-MCS1025	250	104	100	15	0.5+1.5	0°-50°
U-MCS1225	250	120	100	17	0.5+1.5	0°-50°
U-MCS1530	300	150	100	25	0.5+1.5	0°-50°
U-MCS1545	450	150	110	37	0.5+1.5	0°-50°
U-MCS2040	400	200	110	44	0.5+1.5	0°-50°
U-MCS2050	500	200	110	55	0.5+1.5	0°-50°

Z-PMM series

Product Pictures



Application

- Ideal for zero point position system

Features

- Very strong neodymium magnetic system
- Can be switched ON or OFF by hand lever
- The magnetic field is dense and mass
- Nominal holding force: 150 N/cm²
- Magnetic field depth: 12mm
- Pole plate wearing limit: 5mm
- Pole pitch 4+15 mm can be produced

SPECIFICATIONS

MODEL	DIMENSIONS(MM)			WEIGHT (KG)	POLE PITCH (MM)
	LENGTH	WIDTH	HEIGHT		
PMM2040	400	200	56	35	3+12
PMM2060	600	200	56	52	3+12
PMM3050	500	300	56	56	3+12
PMM3060	600	300	56	67	3+12

Other size on request

DMV series

Product Pictures

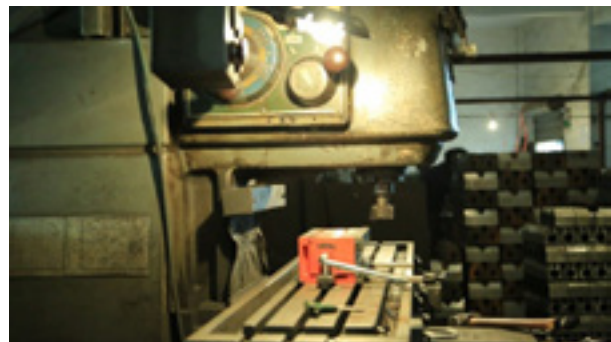


Application

- Ideal for medium and large workpieces.
- Suitable for CNC machining and milling machining process.

Features

- Quick clamping by one set up;
- Five sides machining could be realized
- Positive solution for drilling, tapping and slotting
- The set-up position is flexible according to the distance of workpieces



SPECIFICATIONS

MODEL	DIMENSIONS (MM)			MIN THICKNESS OF WORKPIECES(MM)	HOLDING FORCE(KGF)	WEIGHT (KG)
	LENGTH	WIDTH	HEIGHT			
DMV-25	107	132	60	15	250	3
DMV-50	155	140	62	15	500	6
DMV-100	203	190	84	20	1000	18
DMV-150	241	190	84	25	1500	22
DMV-200	281	190	84	30	2000	26

Other size on request

MMV series

Product Pictures



Application

- Ideal for medium and large workpieces.
- Suitable for CNC machining and milling machining process.

Features

- 3-sides magnetic force coverage
- Quick clamping by one set up;
- Five sides machining could be realized
- Positive solution for drilling, tapping and slotting
- The set-up position is flexible according to the distance of workpieces



SPECIFICATIONS

MODEL	DIMENSIONS (MM)			MIN THICKNESS OF WORKPIECES (MM)	HOLDING FORCE ON THE TOP (KGF)	HOLDING FORCE ON 2 SIDES(KGF)	WEIGHT (KG)
	LENGTH	WIDTH	HEIGHT				
MMV-25	125	100	74	15	200	250	5
MMV-50	157	105	80	15	350	500	10
MMV-100	199	122	94	20	750	1000	18
MMV-150	231	138	110	25	1200	1500	26
MMV-200	297	138	110	30	1500	2000	34

Other size on request

Contact Info

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