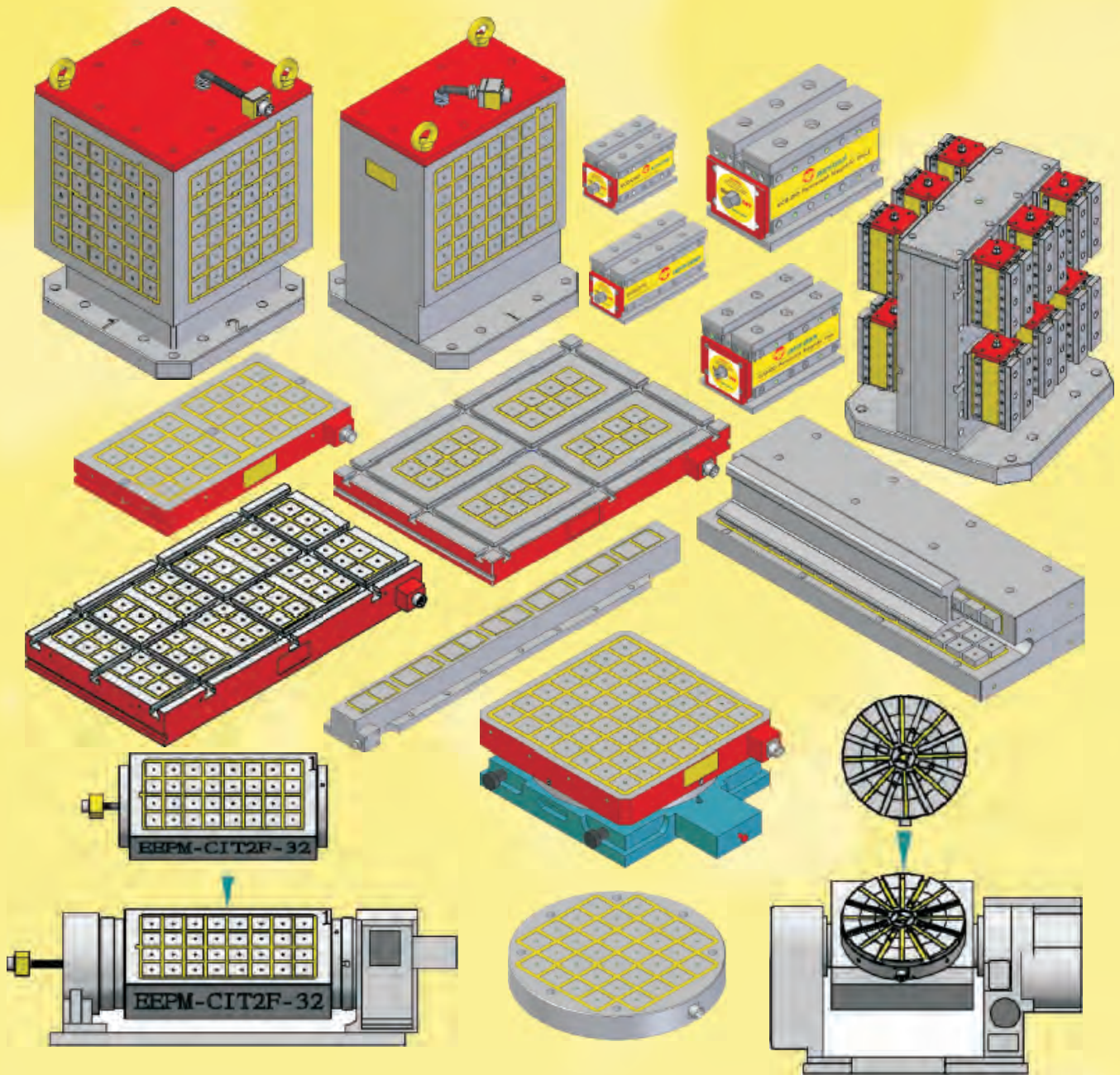


# MagVise Magnetic Workholding

The new domain for metal working on clamping

Suitable for milling machine and CNC horizontal & vertical machining center.  
(5 sides machining)



Electro-Permanent Magnetic Chuck  
Permanent Magnetic Clamping Block

**EEPM Series**  
**ECB Series**



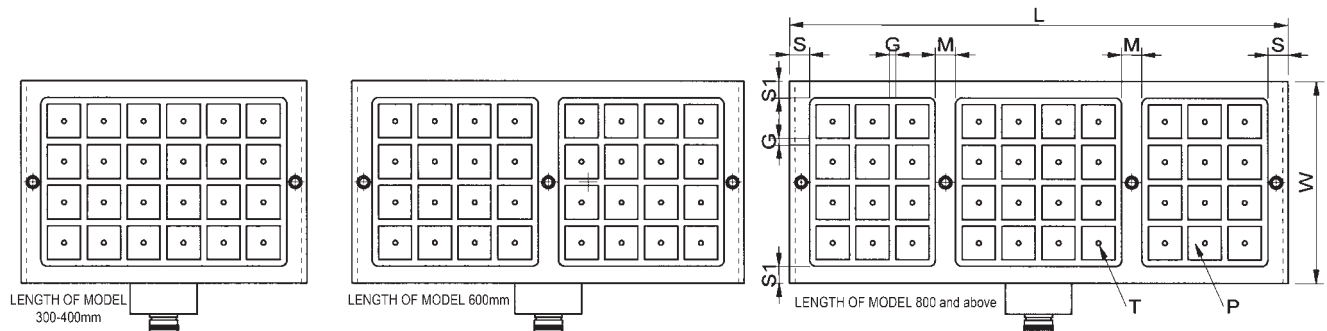
**EARTH-CHAIN**

**Power that works.**



**Power that works.**  
magnetic products

2009.02



Unit:mm

MODEL NO.	DIMENSION							PITCH G	POLE P	NO.OF POLE	CHUCK N.W.	VOLTAGE	CURRENT AMP	CONTROLLER (included)	VOLTAGE	CURRENT AMP	CONTROLLER (included)
	W	L	S	S1	M	T	HEIGHT										
EEPM-2540	240	430	30	25	-	M8	70	10	50X50	18	42	AC 220V	13A	C1	AC 380V ± 440V	17A	C1
EEPM-2560	240	590			30					24	63		20A	C1		11A	C1
EEPM-2580	240	810			30					33	84		30A	C1		13A	C1
EEPM-2590	240	870			30					36	94		14A	C2		13A	C1
EEPM-25100	240	990			30					42	105		26A	C2		13A	C2
EEPM-3030	300	310			-					16	38		14A	C1		7A	C1
EEPM-3040	300	430			-					24	51		22A	C1		10A	C1
EEPM-3060	300	590			30					32	76		31A	C1		14A	C1
EEPM-3080	300	810			30					44	102		25A	C2		15A	C2
EEPM-3090	300	870			30					48	115		25A	C2		16A	C2
EEPM-30100	300	990			30					56	127		32A	C2		13A	C2
EEPM-4040	420	430			-					36	68		13A	C2		13A	C1
EEPM-4050	430	480			-					42	84		26A	C2		13A	C2
EEPM-4060	420	590			30					48	102		23A	C2		17A	C2
EEPM-4080	420	810			30					66	135		30A	C2		13A	C2
EEPM-4090	420	870			30					72	152		14A	C4		13A	C2
EEPM-40100	420	990			30					84	168		25A	C4		13A	C4
EEPM-5060	480	590			30					56	126		32A	C2		13A	C2
EEPM-5080	480	810			30					77	168		16A	C4		14A	C4
EEPM-5090	480	870			30					84	189		25A	C4		14A	C4
EEPM-50100	480	990			30					98	210		24A	C4		13A	C4
EEPM-6060	600	590			30					72	152		15A	C4		13A	C2
EEPM-6080	600	810			30					99	203		24A	C4		15A	C4
EEPM-6090	600	870			30					108	227		18A	C4		17A	C4
EEPM-60100	600	990			30					126	252		28A	C4		23A	C4
EEPM-8080	755	810			30					121	268		31A	C4		13A	C4

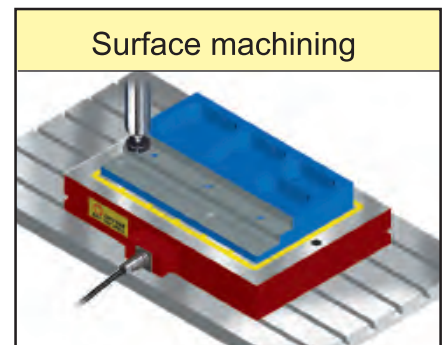
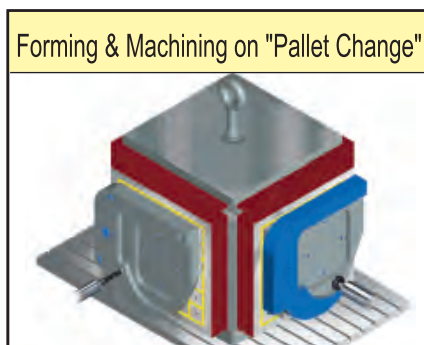
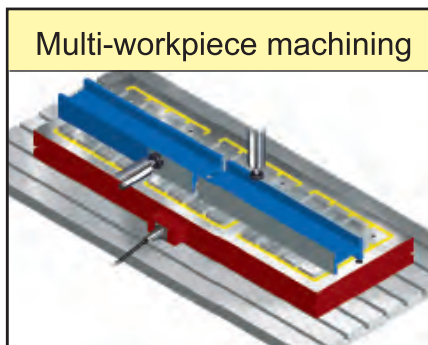
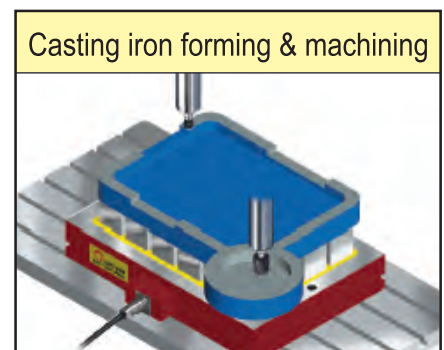
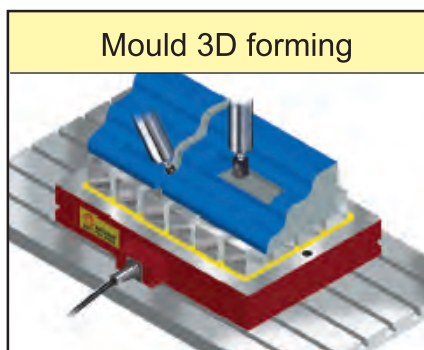
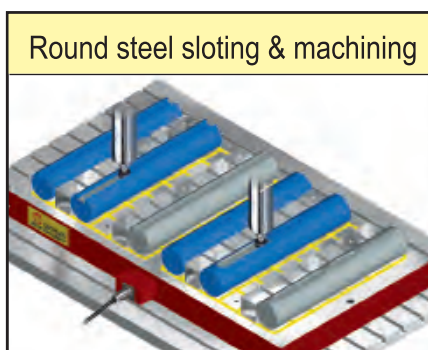
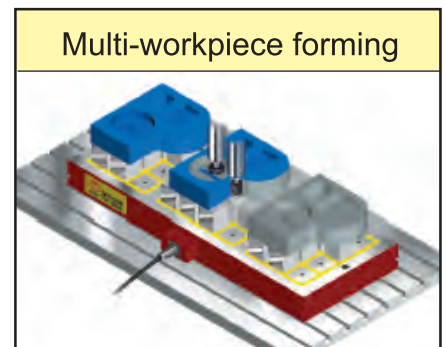
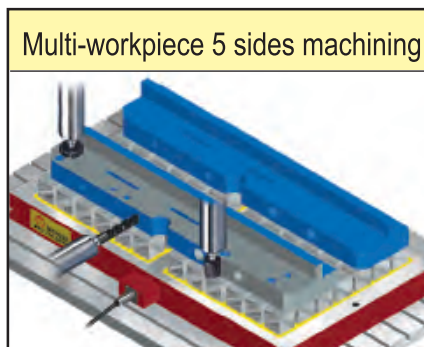
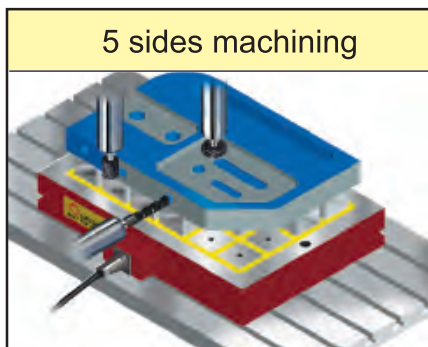
Custom-made is available.

### Features:

1. Super power magnetic force 1000kgf/100cm<sup>2</sup>. (4 Poles)
2. 3~10 seconds control for power ON & OFF. No electric power supply required to keep the magnetic chuck ON.  
Safety in case of power failure.
3. No power supply to keep the magnetic chuck ON, it could be used for long time and never get temperatures to affect the accuracy of workpieces.
4. Can do 5 sides machining, un-obstructed movement of cutters during machining. One cycle to finish a workpiece, helps in achieving best machining accuracy and increases efficiency a lot.
5. Easy and convenient to clamp a workpiece, shortens clamping time.

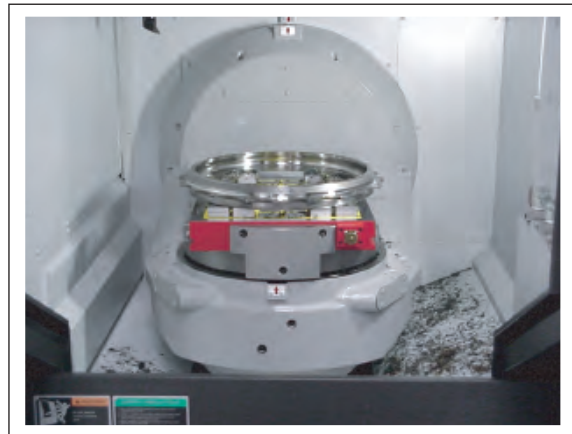
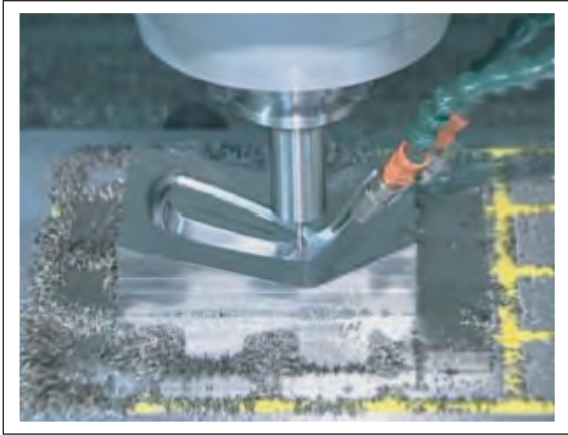
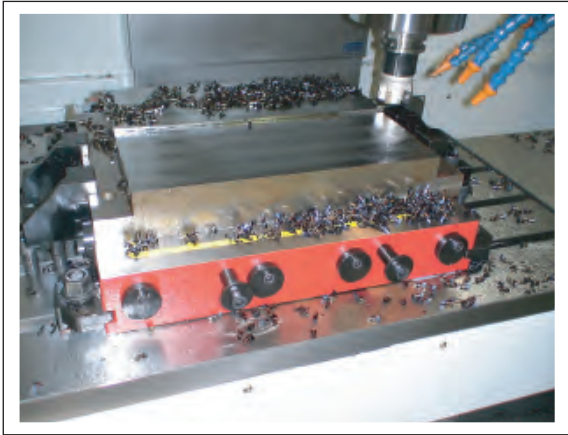
### Applications:

1. Most suitable for machining on medium & small or even rough workpieces.
2. Suitable for drilling and finishing machining on small workpieces.
3. Minimum size of workpiece required as 4 alternate magnetic square poles and above contacts is necessary for optimum clamping.
4. Minimum thickness of workpiece required:10mm.
5. More functions for cooperate with Induction Block and Spring Block. (See the detail of Option Accessories)



Continual to next page.

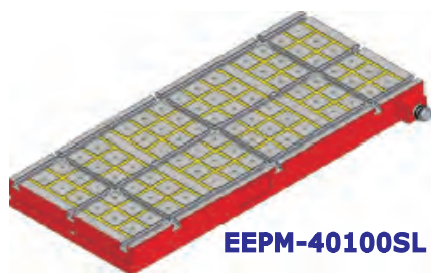
## Working Example



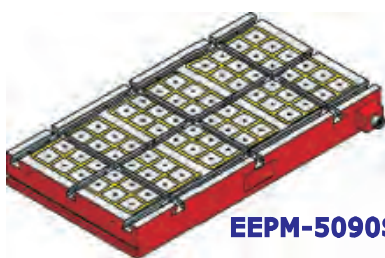
## Electro-Permanent Magnetic Chuck

## EEPM-SL Series

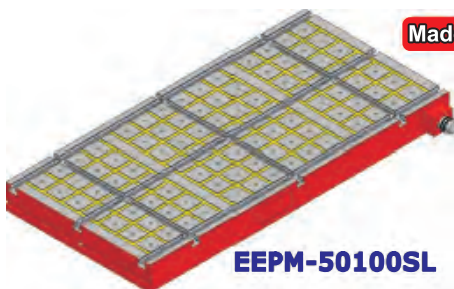
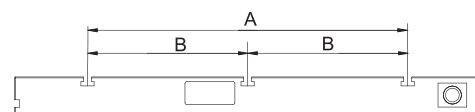
Suitable for all size of workpiece, can be use together with mechanical clamping tools.



**EEPM-40100SL**

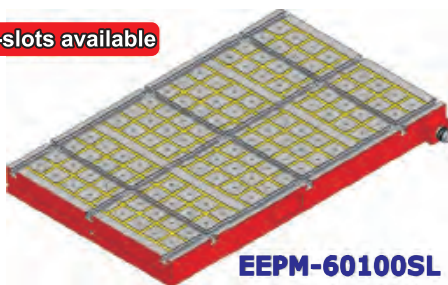


**EEPM-5090SL**

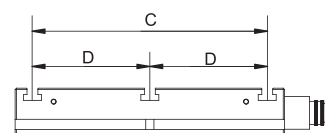


**EEPM-50100SL**

Made with T-slots available



**EEPM-60100SL**



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

Unit:mm

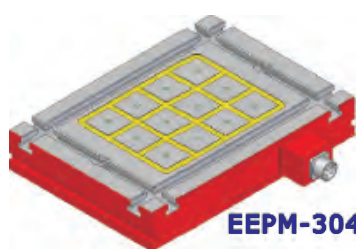
MODEL NO.	DIMENSION LXWXH	PITCH	POLE	NO.OF POLE	T-SLOT	A	B	C	D	CHUCK N.W.	VOLTAGE	CURRENT AMP	CONTROLLER (included)	VOLTAGE	CURRENT AMP	CONTROLLER (included)
EEPM-40100SL	990X420X85	10	50X50	84		680	340	366	183	225kg	AC 220V	25A	C4	AC 380V 440V	13A	C4
EEPM-5090SL	870X480X85			84		560	280	400	200	220kg		25A	C4		13A	C4
EEPM-50100SL	990X480X85			98		680	340	426	213	260kg		24A	C4		13A	C4
EEPM-60100SL	990X600X85			126		680	340	546	273	320kg		28A	C4		23A	C4

Custom-made is available.

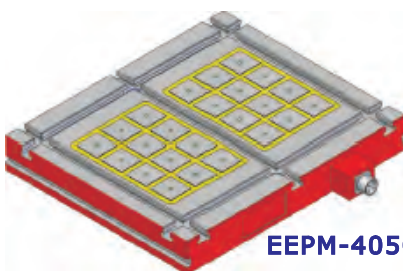
## Electro-Permanent Magnetic Chuck

## EEPM-TA Series

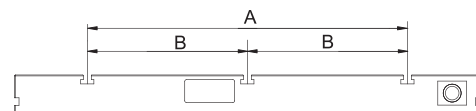
Suitable for big size of workpiece only, use together with mechanical clamping tool for heavy duty machining.



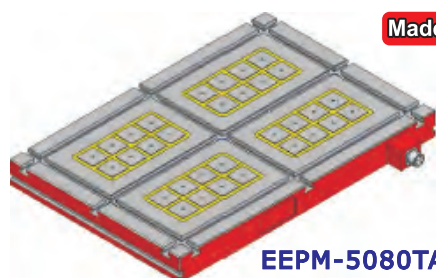
**EEPM-3040TA**



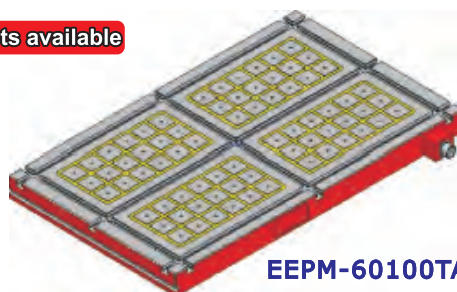
**EEPM-4050TA**



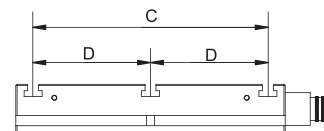
Made with T-slots available



**EEPM-5080TA**



**EEPM-60100TA**

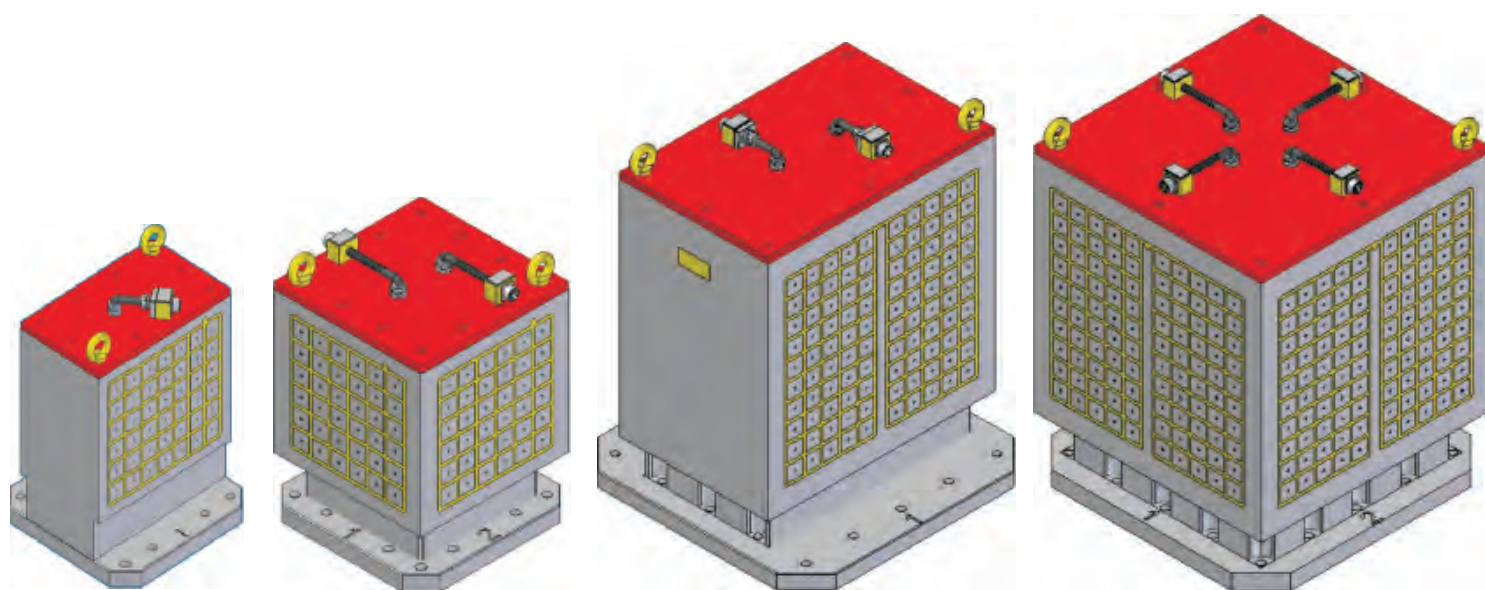


Lower price for big size of workpiece only.

Unit:mm

MODEL NO.	DIMENSION LXWXH	PITCH	POLE	NO.OF POLE	T-SLOT	A	B	C	D	CHUCK N.W.	VOLTAGE	CURRENT AMP	CONTROLLER (included)	VOLTAGE	CURRENT AMP	CONTROLLER (included)
EEPM-3040TA	430X300X70	10	50X50	12		335	-	227	-	50kg	AC 220V	13A	C1	AC 380V 440V	17A	C1
EEPM-4050TA	480X430X70			24		450	225	386	-	80kg		20A	C1		11A	C1
EEPM-5080TA	790X530X70			32		690	345	440	220	180kg		31A	C1		14A	C1
EEPM-60100TA	990X600X70			72		890	445	520	260	240kg		14A	C4		13A	C2

Custom-made is available.

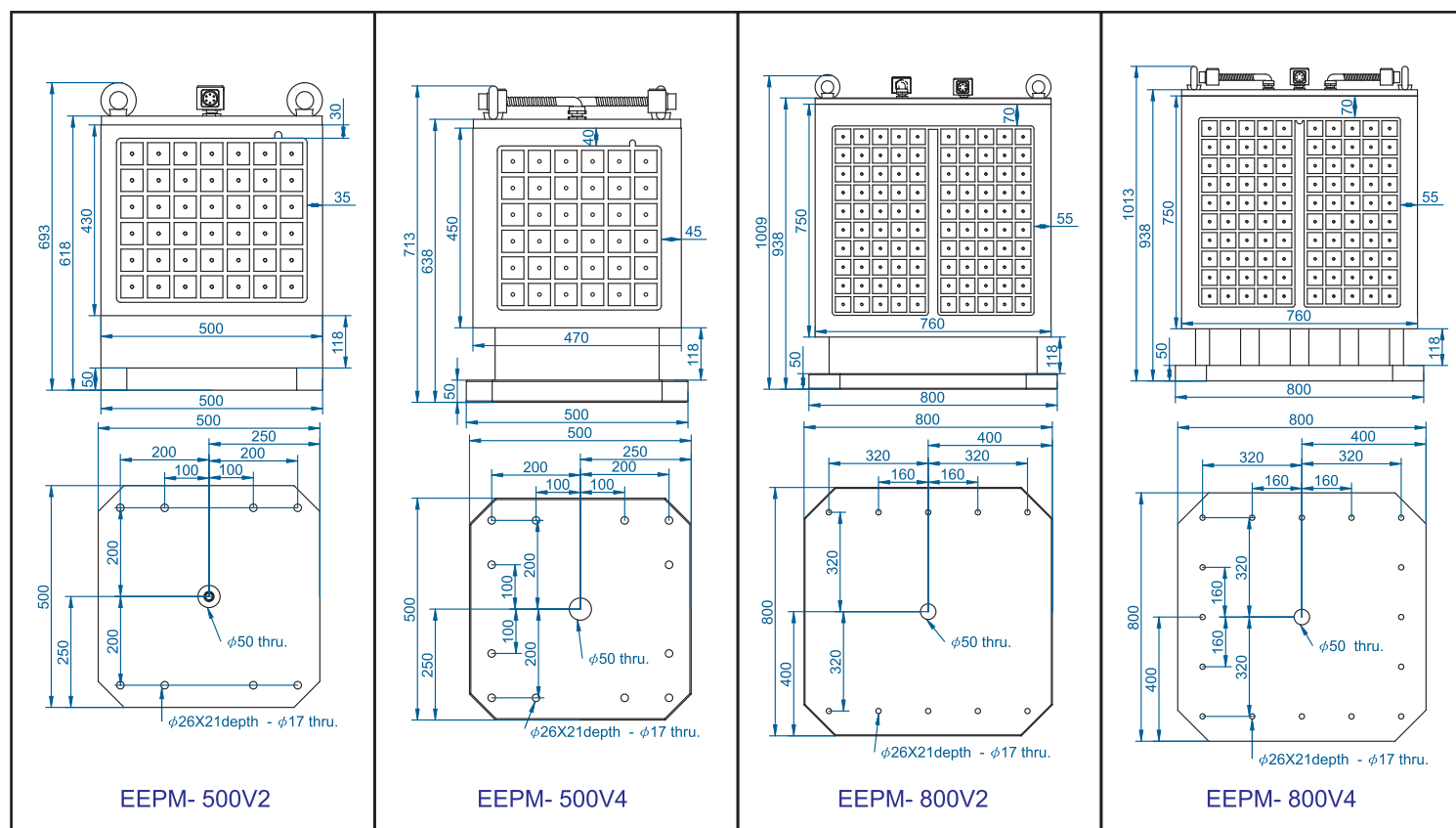


**EEPM-500V2**

**EEPM-500V4**

**EEPM-800V2**

**EEPM-800V4**



Unit:mm

MODEL NO.	WORKING FACE	PITCH	POLE	NO.OF POLE	CHUCK N.W.	VOLTAGE	CURRENT AMP	CONTROLLER (included)	VOLTAGE	CURRENT AMP	CONTROLLER (included)
EEPM-500V2	430X500	10	50X50	42X2	480kg	AC 220V	26A	C2	AC 380V 440V	13A	C2
EEPM-500V4	450X470			36X4	510kg		14A	C2		13A	C1
EEPM-800V2	750X760			100X2	760kg		24A	C4		15A	C4
EEPM-800V4	750X760			100X4	810kg		24A	C4		15A	C4

Custom-made is available.

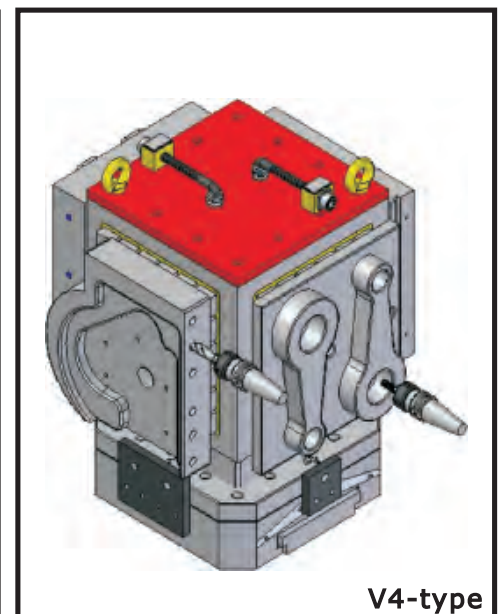
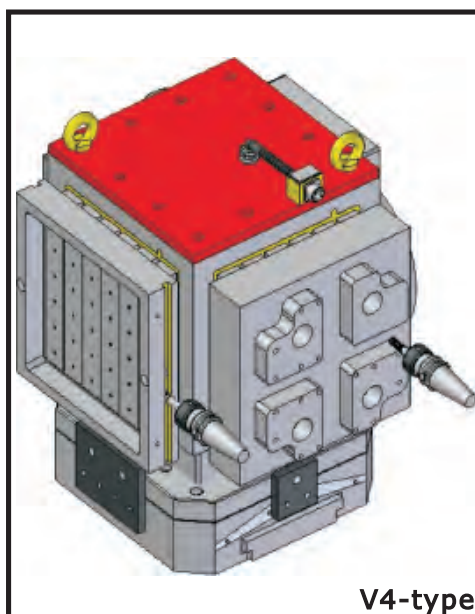
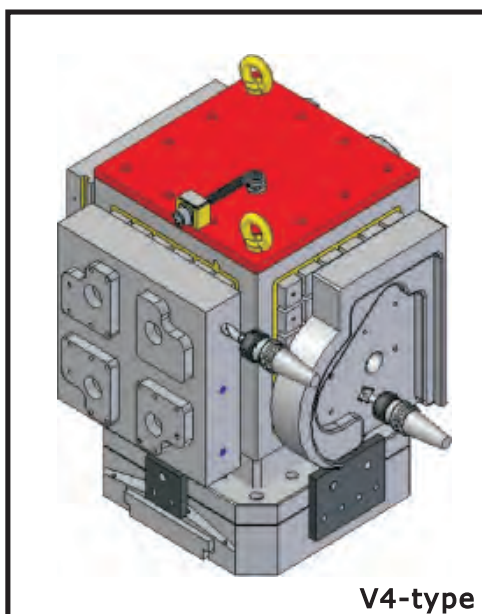
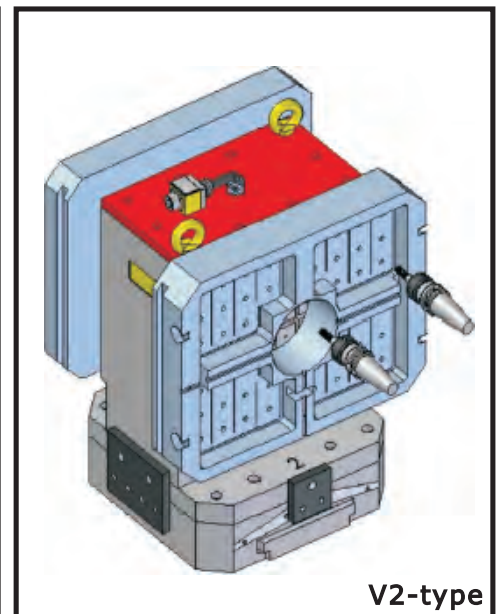
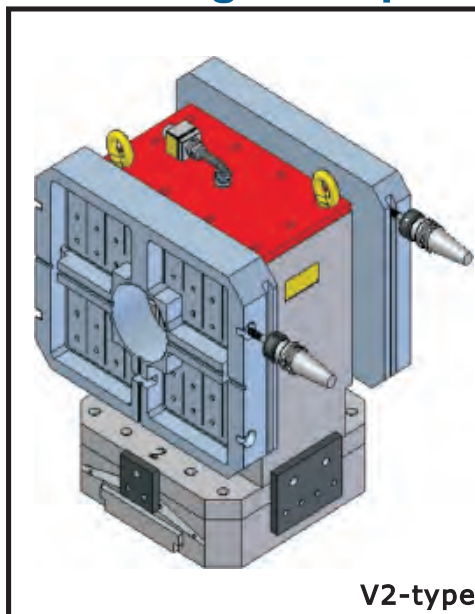
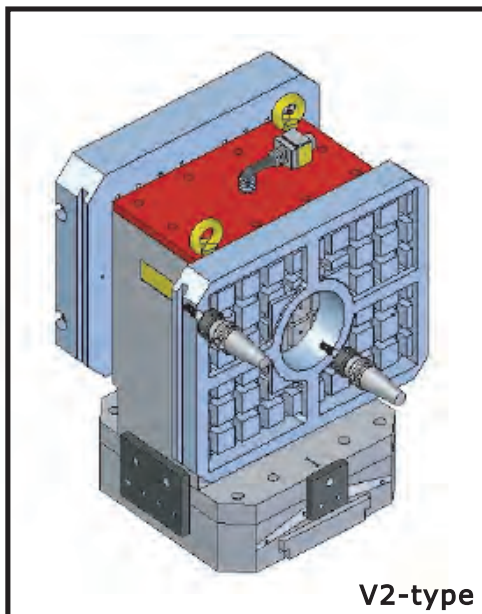
### Features:

1. Super power magnetic force 1000kgf/100cm<sup>2</sup>. (4 Poles)
2. Control each working face for ON and OFF, so it can be load and unload the workpiece on each working face.  
3~10 seconds control for power ON and OFF.
3. Each EEPM-V type can be clamp multi-workpiece machining, instead of multi-pollet Change investment.
4. Can do 5 sides machining, un-obstructed movement of cutters during machining.  
One cycle to finish a workpiece, helps in achieving best machining accuracy and increases efficiency a lot.

### Applications:

1. Suitable for CNC horizontal machining center.
2. EEPM-V2 with 2 working faces suitable for bigger workpiece.  
EEPM-V4 with 4 working faces suitable for medium workpiece.
3. Minimum thickness of workpiece required : 10 mm
4. More functions for cooperate with Induction Block and Spring Block. (See the detail of Option Accessories)

## Working Example



PATENT NO.350429



**Traditional Milling Machine can do 5 side machining too.**

### Features:

1. We changed traditional clamping way of Index Table. Made with Electro-Permanent Magnetic Chuck, can do 5 side machining, without any obstructed movement of cutters during machining.
2. Super magnetic force 1000kgf/100cm<sup>2</sup>. (4 Poles)
3. Structure of Electro-Permanent Magnetic Chuck, 3~10 seconds control for power ON & OFF.  
No electric power supply required to keep the chuck ON. So no electric cable disturbed, can be turning freely.
4. Magnetic power adjustable.
5. Pneumatic system to rotate and fix the table, Easy and convenient to operate.
6. Heavy Duty construction, built of FC35 cast iron. Suitable for heavy duty machining.

### Applications:

1. Suitable for horizontal milling, boring machine on precision machining of division.
2. Minimum thickness of workpiece required : 10 mm
3. More functions for cooperate with Induction Block and Spring Block. (See the detail of Option Accessories)

Unit:mm

	MODEL NO.	EEPM-300IT	EEPM-470IT	EEPM-600IT	EEPM-800IT
1	L X W	300X300mm	470X470mm	600X600mm	800X800mm
2	HEIGHT	193	190	226	302
3	DRIVING	FLOATATION	Air Pressure 5~8 kg/cm <sup>2</sup>		
		REVOLVING	Manual		
4	Max.load weight vertical in theory	1200kg	2400kg	3400kg	4500kg
5	Allowable load weight	500kg	1000kg	2000kg	3000kg
6	Table rotation	Clockwise & anticlockwise			
7	Division	Standard 72T~5° /Option 360T~1°			
8	Net weight	100kg	223kg	446kg	1000kg
9	Dimension of pole	50X50 mm			
10	No. of pole	16	49	72	144
11	VOLTAGE	AC 220V			
12	CURRENT (AMP)	15A	25A	14A	33A
13	CONTROLLER(included)	C1	C2	C4	C4
14	VOLTAGE	AC 380V~440V			
15	CURRENT (AMP)	18A	17A	13A	13A
16	CONTROLLER(included)	C1	C2	C2	C4

	MODEL NO.		EEPM-300IT	EEPM-470IT	EEPM-600IT	EEPM-800IT
1	Squareness of table		0.01	0.015	0.02	0.02
2	Repeat rotation		0.01	0.01	0.015	0.015
3	Parallelism of table		0.01	0.015	0.02	0.02
4	Basic side squareness		0.015	0.015	0.02	0.02
5	DIVISION (second)	Dividing 4	$\pm 2''$			
		Dividing 72	$\pm 3''$			

## Working Example

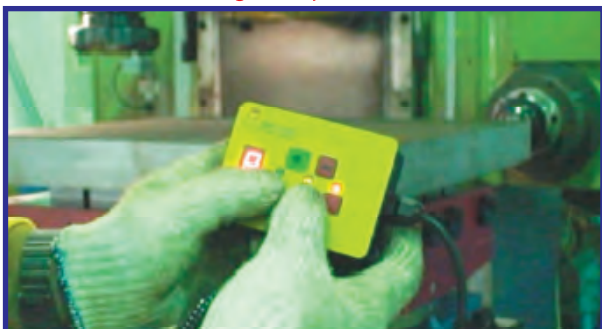
1.Loading workpiece.



2.Connect the electric cable to the chuck.



3.Switch ON for magnetic power.



4.Take OFF the electric cable.



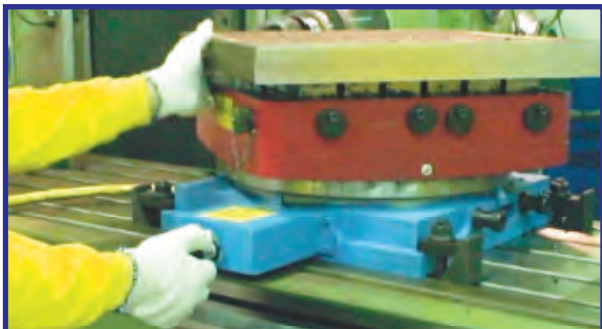
5.Surface machining.



6.Side machining.

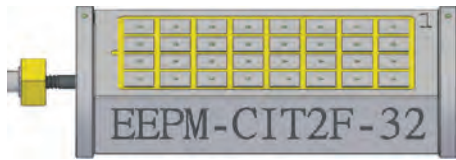


7.Rotate angle and keep to machining.

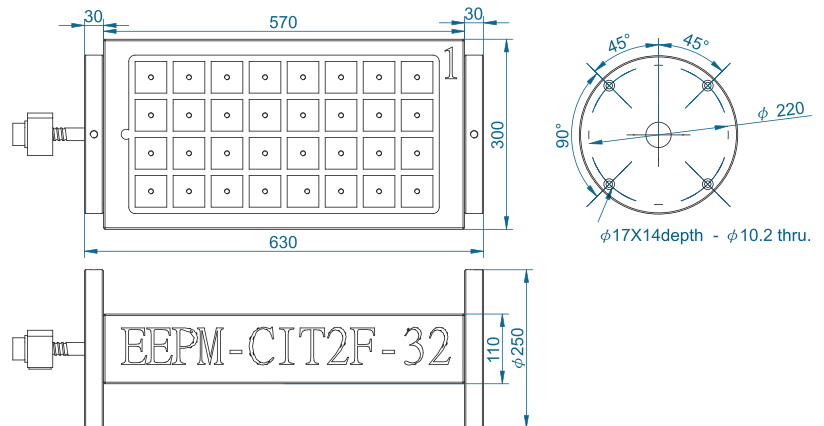


8.Finish works and connect the cable for switch OFF.

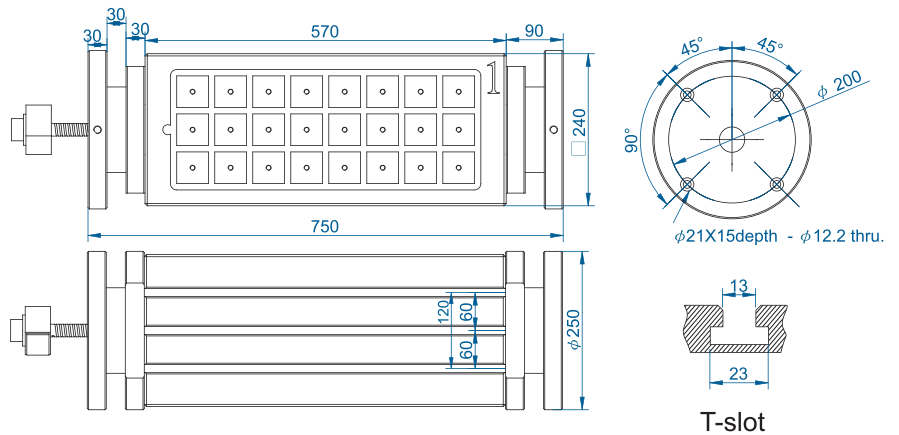




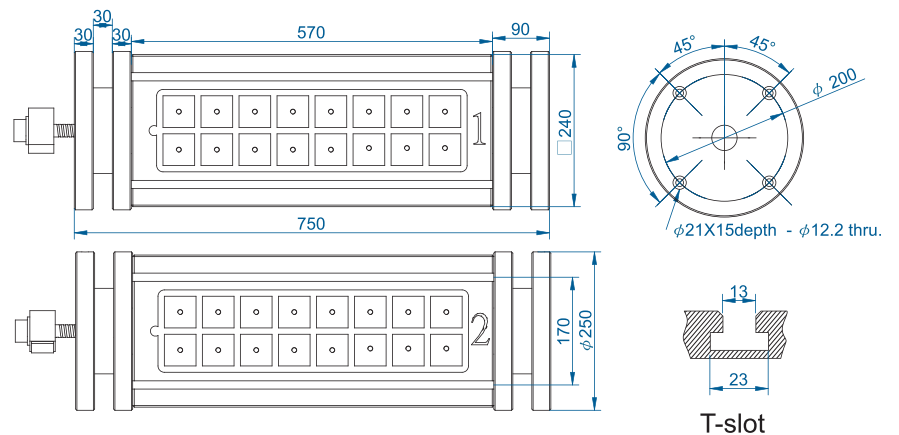
**EEPM-CIT2F**



**EEPM-CIT2F2T**



**EEPM-CIT4FT**



Unit:mm

MODEL NO.	WORKING FACE	PITCH	POLE	NO.OF POLE	CHUCK N.W.	VOLTAGE	CURRENT AMP	CONTROLLER (included)	VOLTAGE	CURRENT AMP	CONTROLLER (included)
EEPM-CIT2F	300X570	10	50X50	32X2	141kg	AC 220V	31A	C1	AC 380V 440V	14A	C1
EEPM-CIT2F2T	240X570			24X2	228kg		22A	C1		10A	C1
EEPM-CIT4FT	240X570			16X4	219kg		14A	C1		7A	C1

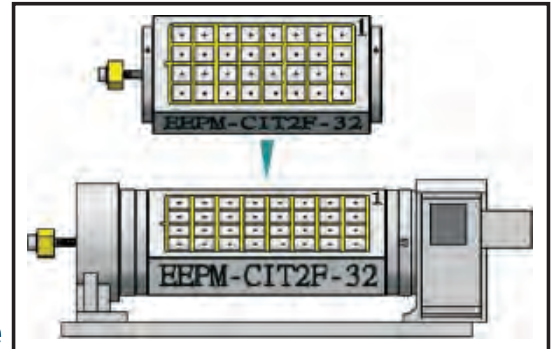
Custom-made is available.

### Features:

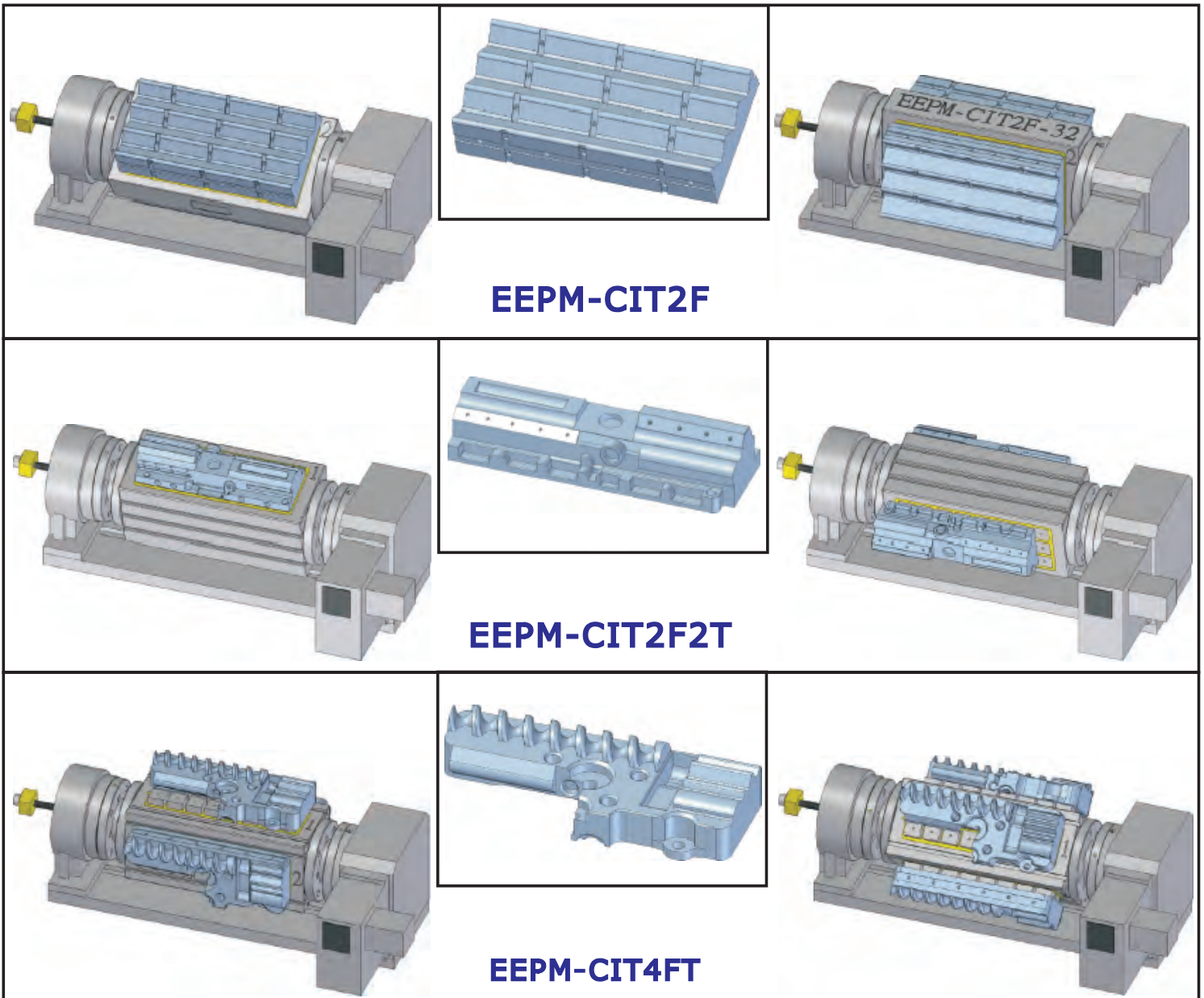
1. Super power magnetic force 1000kgf/100cm<sup>2</sup>. (4 Poles)
2. Control each working face for ON and OFF, so it can be load and unload the workpiece on each working face. 3 seconds control for power ON and OFF.
3. **EEPM-CIT2F** with 2 magnetic working face, can be clamp 2 workpiece for machining.  
Suitable for bigger workpiece machining.
4. **EEPM-CIT2F2T** with 2 magnetic working face and 2 T-slot working face, can be clamp both of magnetic and non-magnetic material of workpiece machining. Suitable for smaller workpiece machining.
5. **EEPM-CIT4FT** with 2 magnetic working face and T-slots available. Suitable for smaller workpiece machining.
6. Without any obstructed movement of cutters during machining. Can be use all the functions of CNC 4 Axis Index Device completely.

### Applications:

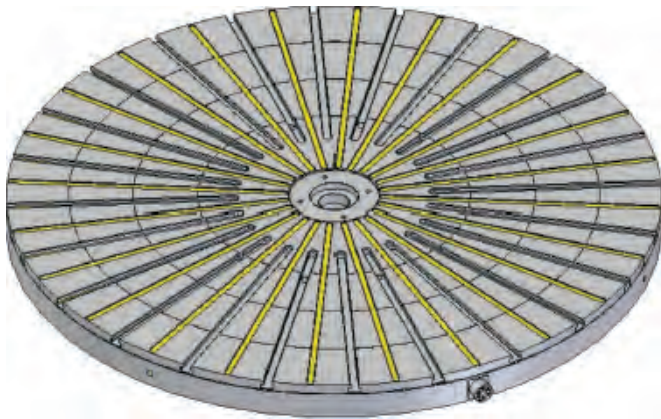
1. Suitable in use for combine with CNC 4 Axis Index Device.
2. Minimum thickness of workpiece required : 10mm.
3. Minimum size of workpiece required as 4 alternate magnetic square poles and above is necessary for optimum clamping.



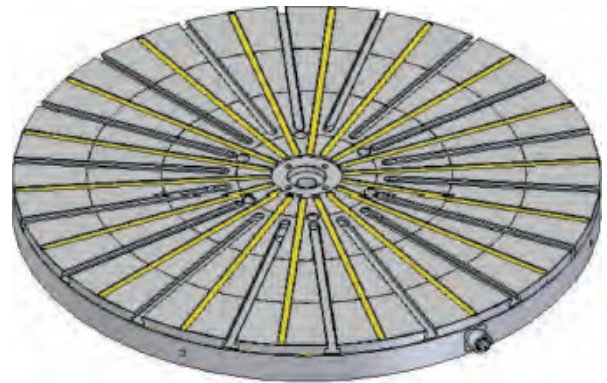
### Working Example



Suitable in use for combine with CNC 5 Axis Index Device, CNC 5 Axis Machining Center, Vertical & Horizontal Lathe ...etc.

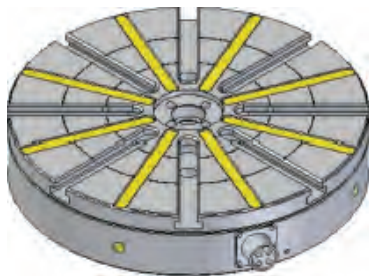


**EEPM-CIR1100**

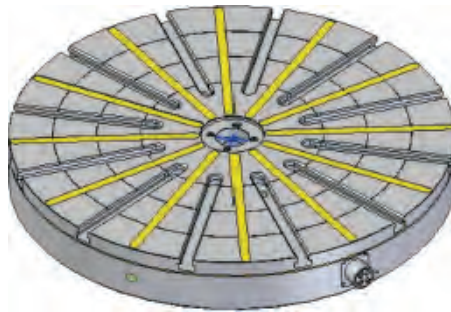


**EEPM-CIR900**

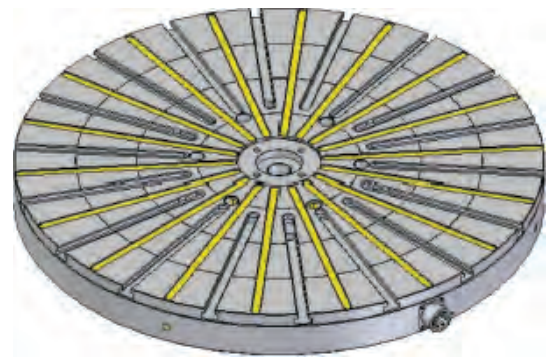
Made with T-slots available



**EEPM-CIR300**



**EEPM-CIR500**



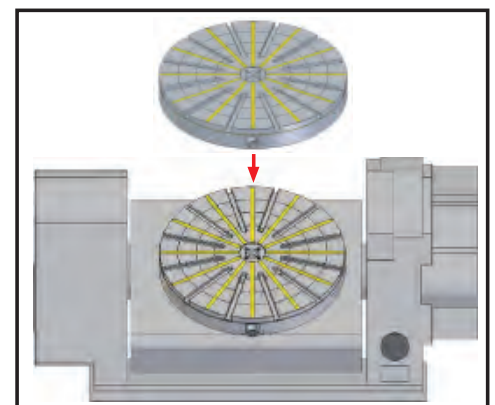
**EEPM-CIR700**

## Features:

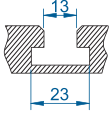
1. Round type and radiate magnetic poles, suitable for clamping round type and any form of workpiece machining.
2. Workpieces can be touch to all poles of Magnetic Chuck, super power magnetic force as minimum of 1000Kgf and maximum of 20,000Kgf, it depends on size of workpiece and magnetic chuck.
3. 3~10 seconds control for power ON & OFF. No electric power supply required to keep the magnetic chuck ON, cable can be taken off for turning chuck freely while machining.
4. Un-obstructed movement of cutters during machining, the really functions of 5 side machining on workholding.

## Applications:

1. Suitable in use for combine with CNC 5 Axis Index Device, CNC 5 Axis Machining Center, Vertical & Horizontal Lathe...etc.
2. Minimum thickness of workpiece required : 10 mm.
3. Minimum dimension of workpiece required as **EEPM-CIR300**-  $\phi$  100mm, **EEPM-CIR500**-  $\phi$  120mm, **EEPM-CIR700** & **EEPM-CIR900**-  $\phi$  200mm, **EEPM-CIR1100**-  $\phi$  300mm and above, or same dimensions of any other forms of workpiece.
4. More functions for cooperate with induction plate, can do positioning on workholding.



Unit:mm

MODEL NO.	DIMENSION		PITCH	NO.OF POLE	T-SLOT	MAGNETIC FORCE		N.W.	VOLTAGE	CURRENT AMP	CONTROLLER (included)	VOLTAGE	CURRENT AMP	CONTROLLER (included)
	DIAMETER	HEIGHT				MIN.	MAX.							
<b>EEPM-CIR300</b>	$\phi$ 310	64	10	8		1000kgf	2500kgf	30kg	AC 220V	8A	C1	AC 380V 440V	15A	C1
<b>EEPM-CIR500</b>	$\phi$ 500	66		12		1500kgf	5000kgf	82kg		22A	C1		10A	C1
<b>EEPM-CIR700</b>	$\phi$ 700	66		18		2000kgf	11000kgf	161kg		25A	C2		13A	C2
<b>EEPM-CIR900</b>	$\phi$ 900	70		18		2500kgf	16000kgf	282kg		25A	C4		13A	C4
<b>EEPM-CIR1100</b>	$\phi$ 1100	70		24		3000kgf	20000kgf	417kg		38A	C4		13A	C4

Custom-made is available.

## Functions and operations of "Induction Plate":

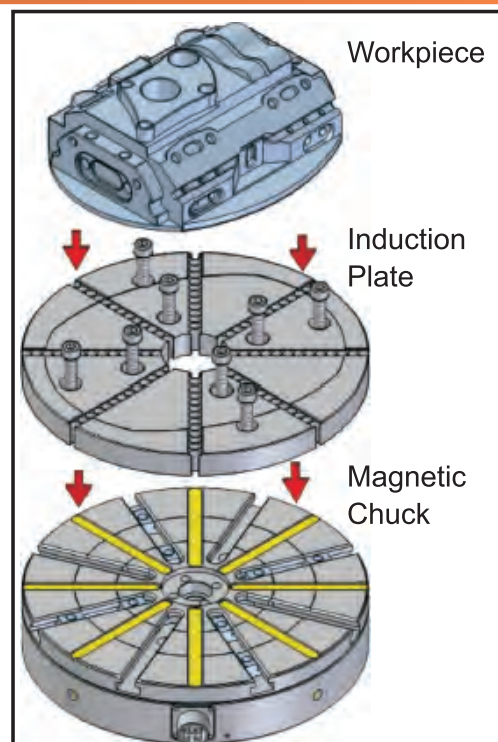
1. Multi-functions of Induction Plate: Customer can be make Induction Plate themselves depends on the form of workpiece and applications needed.
2. Induction Plate is an interchanging accessories, can be use for more and more functions on workholding.
3. We will offer more informations, suggestions and drawing for customer make Induction Plate themselves.

(Custom-made is available)

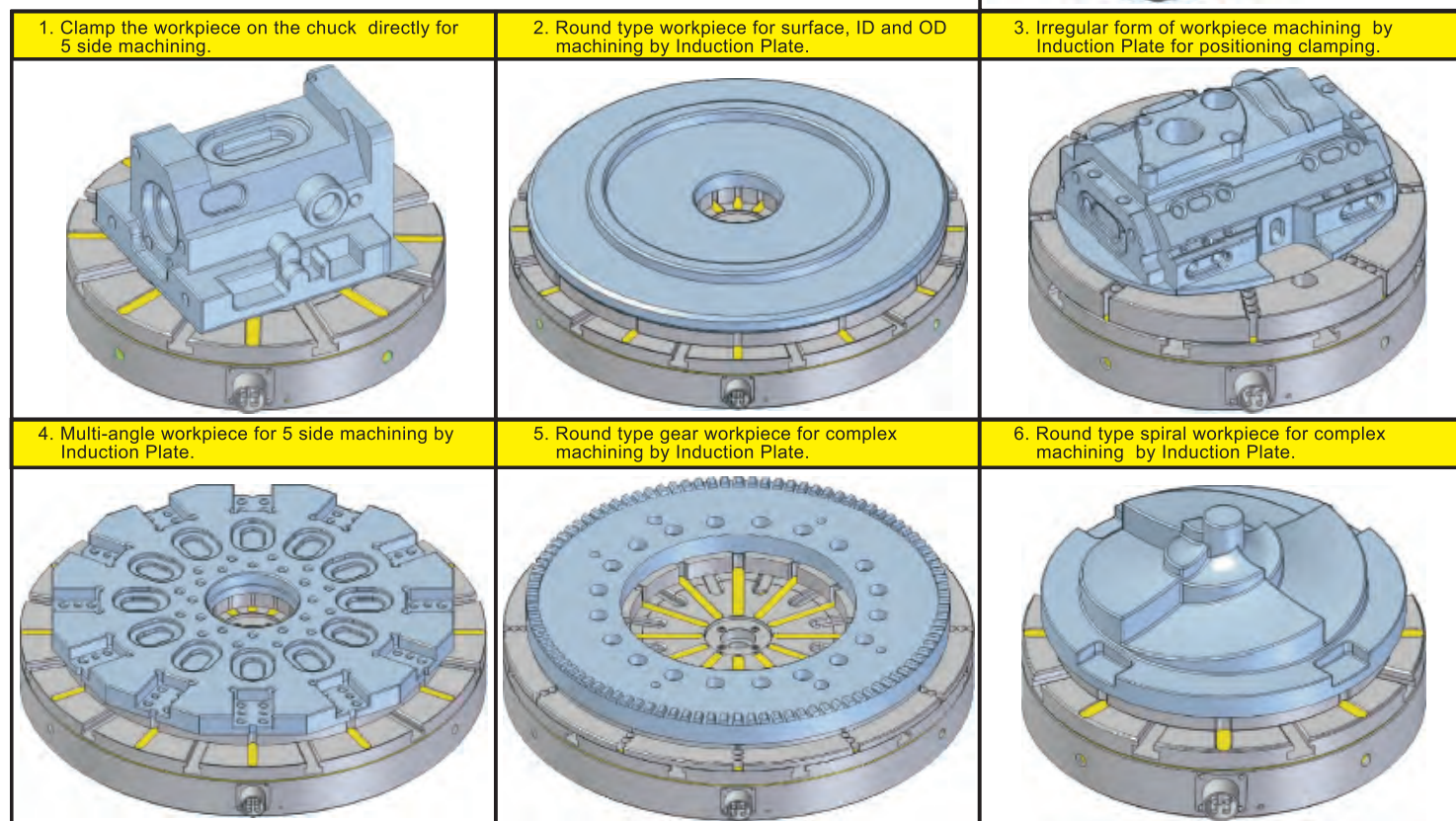
4. The material of Induction Plate required as general and lower carbon steel.

**Note:** The surface of Induction Plate combine to the chuck must be machining to be very flat and smooth for good induction.

5. Operations: Fixed the Induction Plate to the chuck by T-slot and machining lips, trough or surface (depends on the workpiece needed) directly by the machine. then start to hold workpiece for machining.



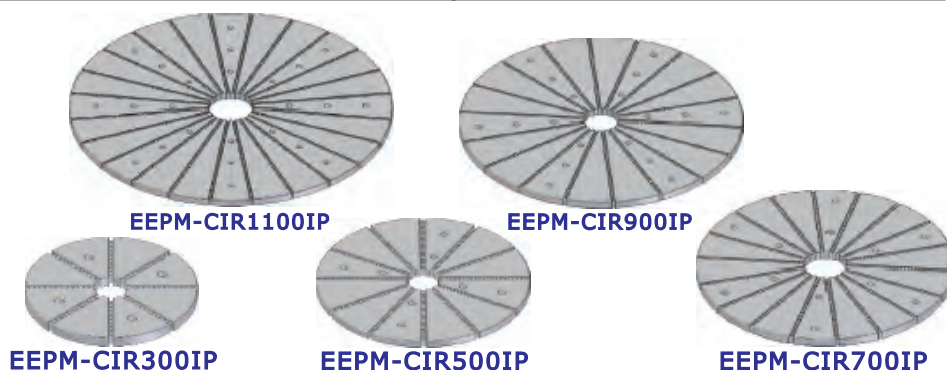
## Working Example

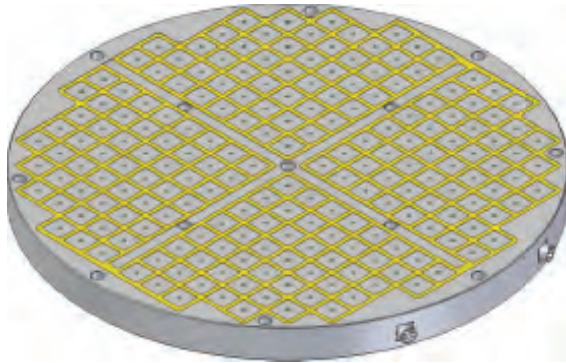


## Option Accessories

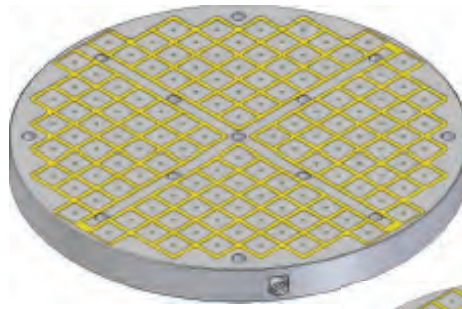
Standard Induction Plate available. Unit:mm

MODEL NO.	DIAMETER	THICKNESS
EEPM-CIR300IP	φ 310	20
EEPM-CIR500IP	φ 500	20
EEPM-CIR700IP	φ 700	25
EEPM-CIR900IP	φ 900	25
EEPM-CIR1100IP	φ 1100	25





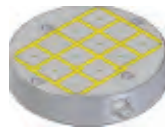
**EEPM-CIRS1100**



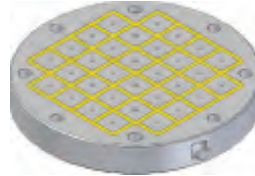
**EEPM-CIRS900**



**EEPM-CIRS200**



**EEPM-CIRS300**

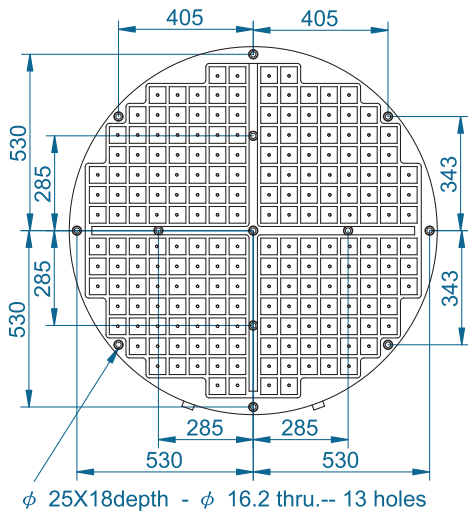


**EEPM-CIRS500**

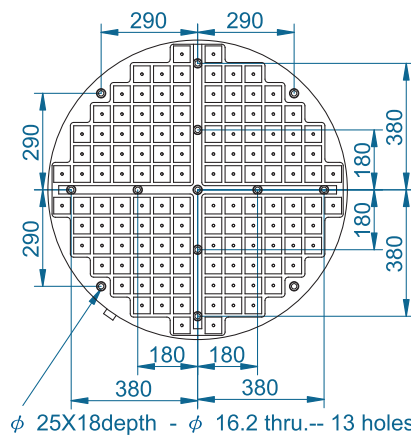


**EEPM-CIRS700**

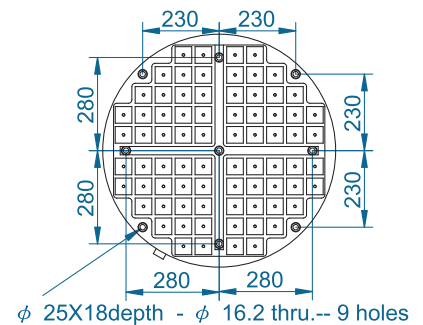
### Dimension of screw holes for setting up



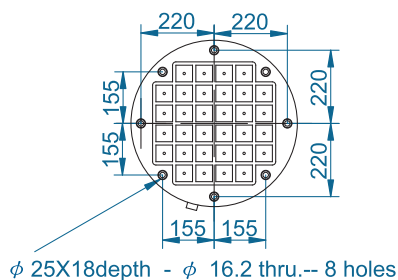
**EEPM-CIRS1100**



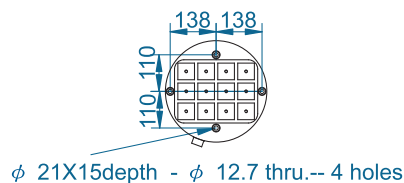
**EEPM-CIRS900**



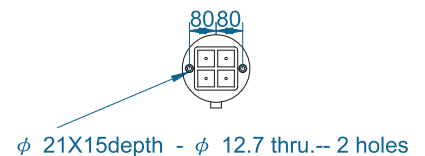
**EEPM-CIRS700**



**EEPM-CIRS500**



**EEPM-CIRS300**



**EEPM-CIRS200**

Unit:mm

MODEL NO.	DIMENSION		PITCH	POLE	NO.OF POLE	N.W.	VOLTAGE	CURRENT AMP	CONTROLLER (included)	VOLTAGE	CURRENT AMP	CONTROLLER (included)
	DIAMETER	HEIGHT										
EEPM-CIRS200	φ 203	70	10	50x50	4	16kg	AC 220V	16A	C1	AC 380V 440V	18A	C1
EEPM-CIRS300	φ 305	70			12			18A	C1		6A	C1
EEPM-CIRS500	φ 500	70			32			31A	C1		14A	C1
EEPM-CIRS700	φ 700	80			76			16A	C4		12A	C2
EEPM-CIRS900	φ 900	80			144			38A	C4		13A	C4
EEPM-CIRS1100	φ 1106	80			204			24A	C8-2C4		10A	C8-2C4

Custom-made is available.

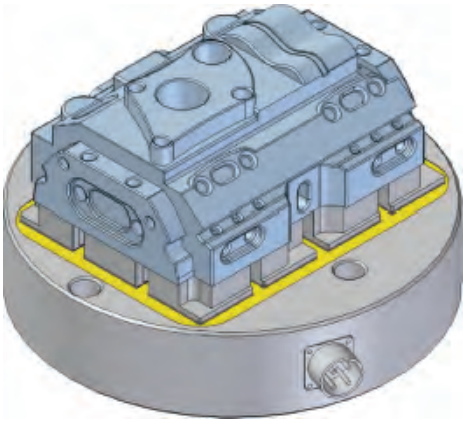
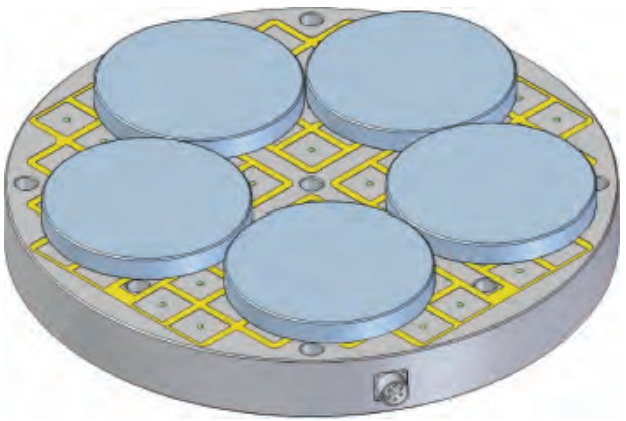
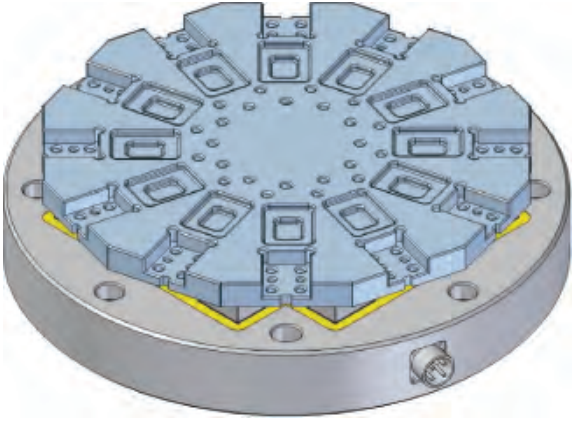
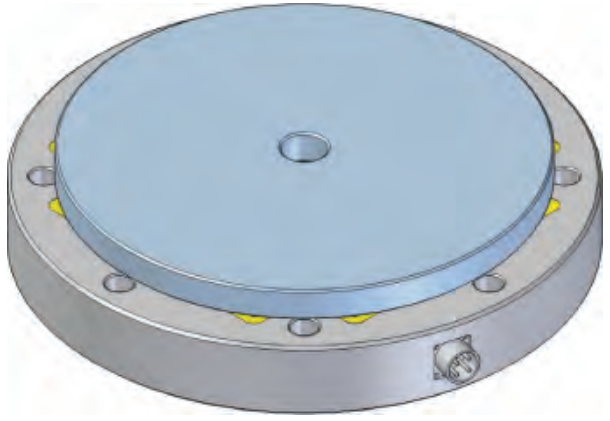
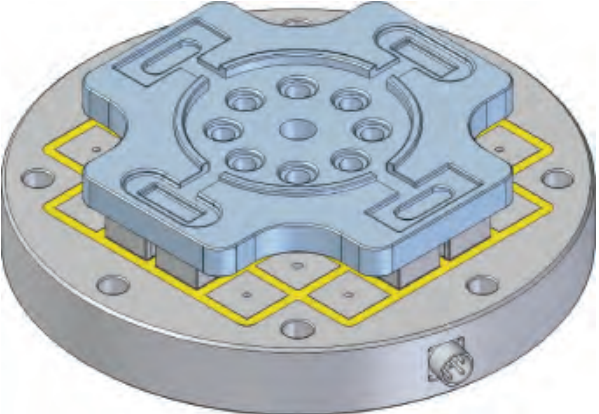
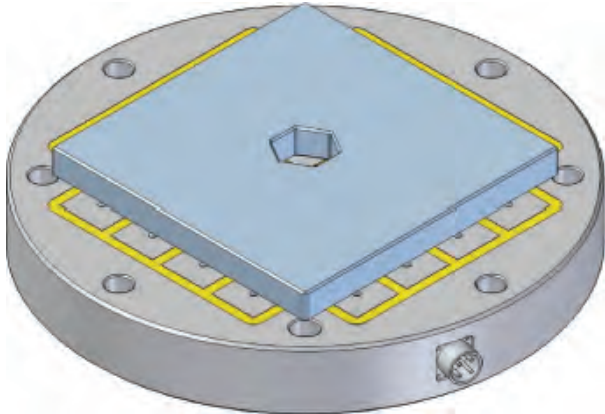
### Features:

1. Super power magnetic force 1000 kgf/100cm. (4 poles)
2. 3~15 seconds control for power ON & OFF. No electric power supply required to keep the magnetic chuck ON, cable can be taken off for turning freely while machining or grinding.
3. Can do 5 side machining, un-obstructed movement of cutters during machining. One cycle to finish a workpiece, helps in achieving best machining accuracy and increases efficiency a lot.

### Applications:

1. Suitable in use for combine with Rotary type Surface Grinding machine, CNC 5 Axis Machining Ceter...etc.
2. Minimum thickness of workpiece required : 10 mm
3. Minimum size of workpiece required as 4 alternate magnetic square poles and above contacts is neccessoy for optimum clamping.
4. More functions for cooperate with Induction Block and Spring Block. (See the detail of Option Accessories)











## Working Example

Multi-form workpiece for 5 side machining by induction block.	Multi-round type workpiece for precision grinding.
	
Multi-angle workpiece for 5 side machining by induction block.	Round type workpiece for precision grinding.
	
Irregular form workpiece for 5 side machining by induction block.	Square workpiece for precision grinding.
	

Suitable for use on EEPM, EEPM-SL, EEPM-V, EEPM-IT, EEPM-CIT, EEPM-CITRS.  
Series of Electro-Permanent Magnetic Chuck.

### Features:

1. Induction Block EEPM-IB series are use for EEPM chucks, can be increased many more functions on workholding.
2. Increased using life of magnetic chuck: We suggest always use induction block to clamp workpieces, due to workpiece will not touch to the surface of chucks, it can be keep chucks always be new.
3. 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.

Height:25mm	Height:50mm	Height:75mm
 <b>EEPM-IB225</b>	 <b>EEPM-IB250</b>	
 <b>EEPM-IB325</b>	 <b>EEPM-IB350</b>	
 <b>EEPM-IB425</b>	 <b>EEPM-IB450</b>	 <b>EEPM-IB475</b>
 <b>EEPM-IB625</b>	 <b>EEPM-IB650</b>	 <b>EEPM-IB675</b>

### Working Example

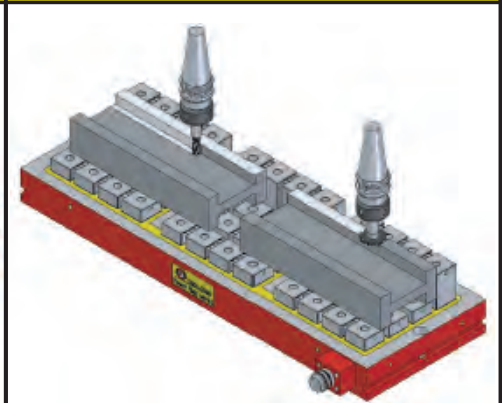
Used 25mm height of IB for irregular workpiece on 5 sides machining.



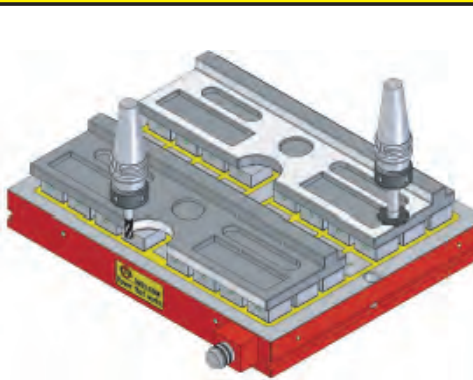
Machining slots and steps on IB for positioning multi-workpiece on 5 sides machining.



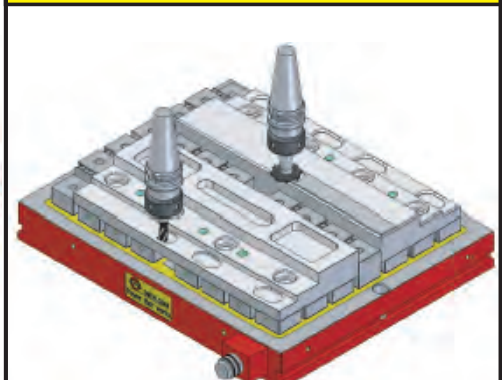
Used 25mm & 75mm height of IB for positioning multi-workpiece on surface machining.



Used 25mm height of IB for multi-workpiece on 5 sides machining.

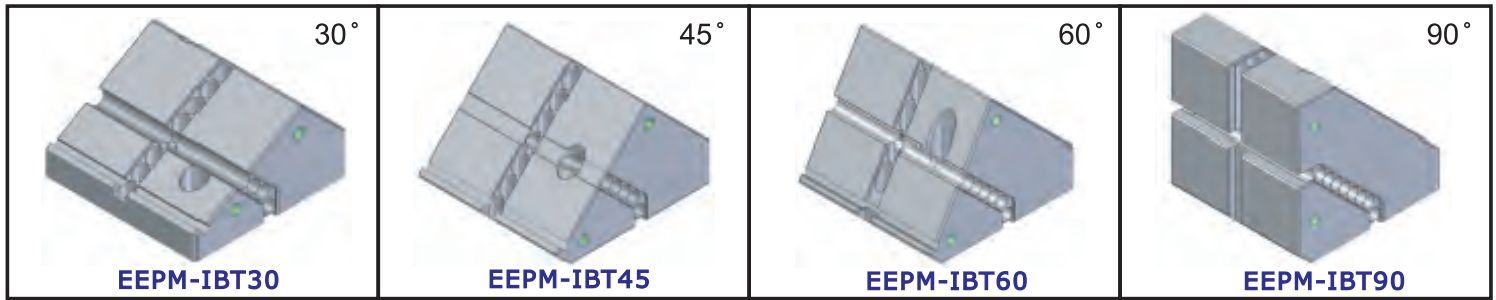


Used 25mm & 50mm height of IB for positioning multi-workpiece on surface machining.

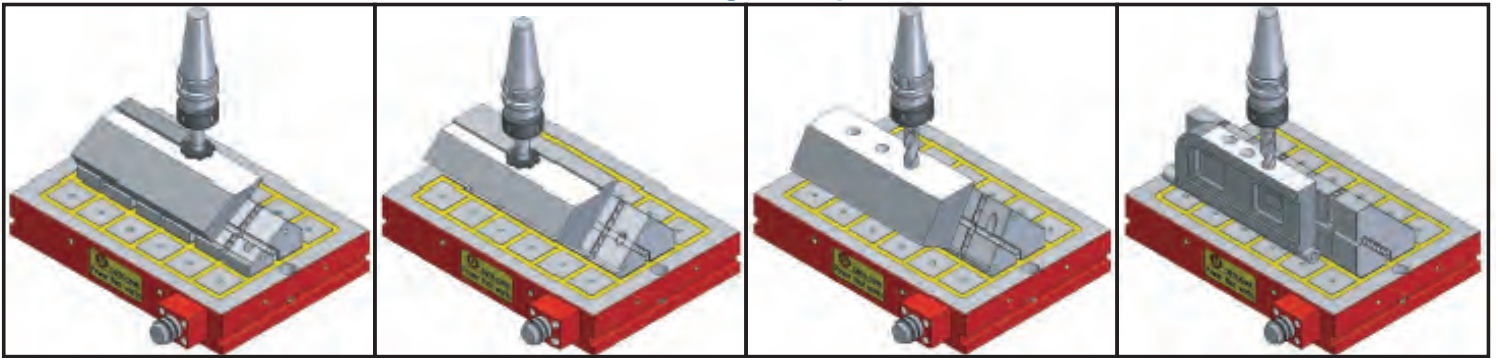


**Option Accessories-Induction Block**

**EEPM-IBT Series**

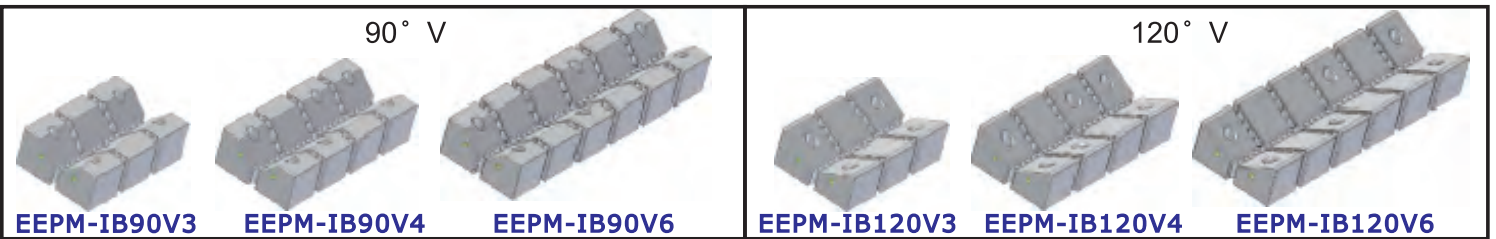


**Working Example**

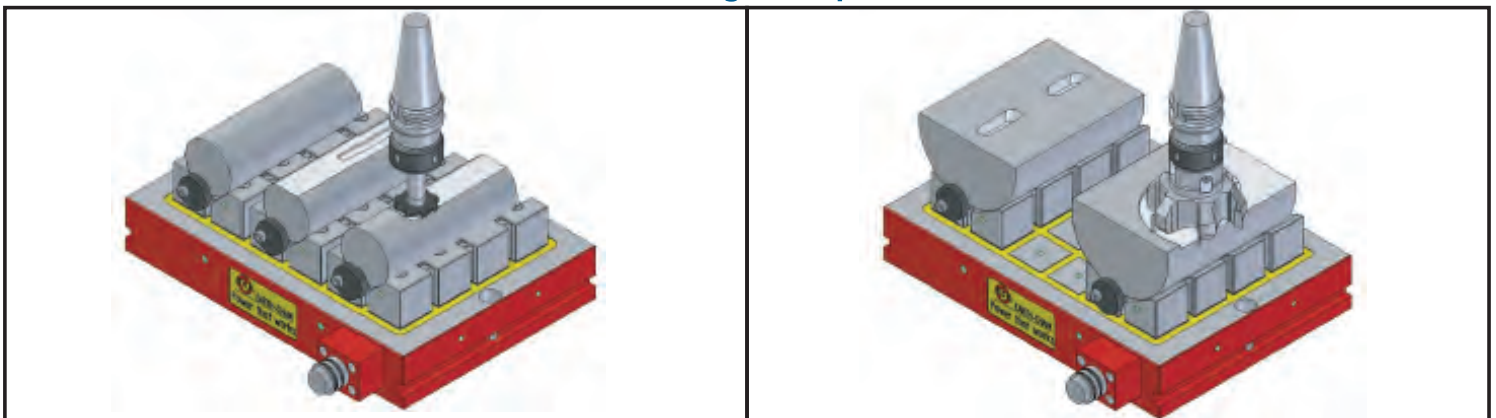


**Option Accessories-Induction Block**

**EEPM-IBV Series**

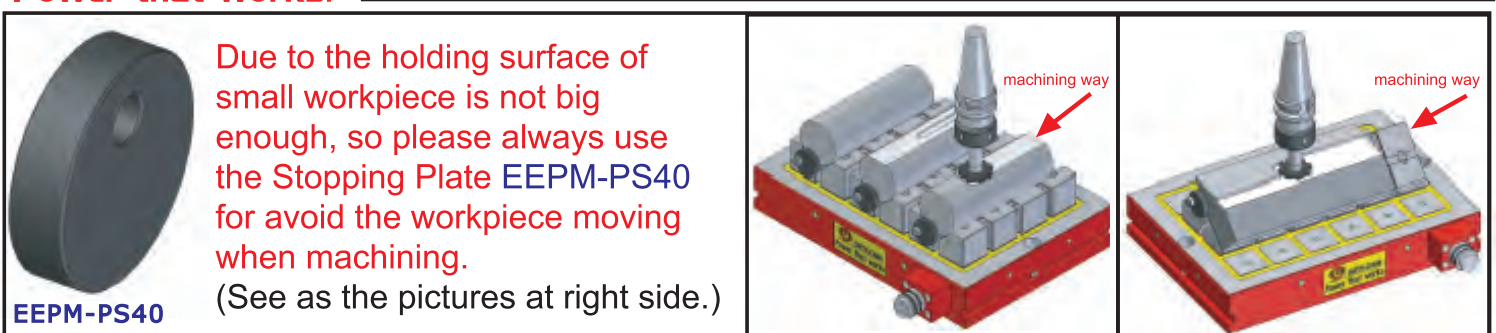


**Working Example**



**Option Accessories-Stopping Plate**

**EEPM-PS40**



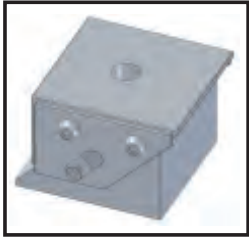
## Option Accessories-Spring Block

**EEPM-SP Series**

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

### Spring Block

### Fixed Block

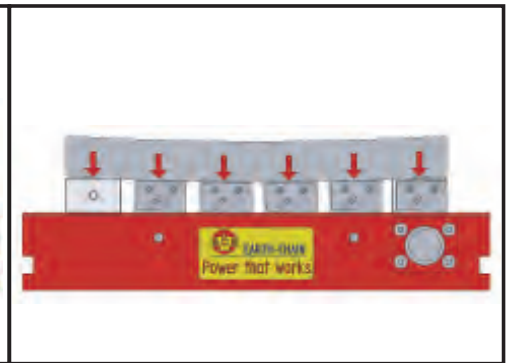
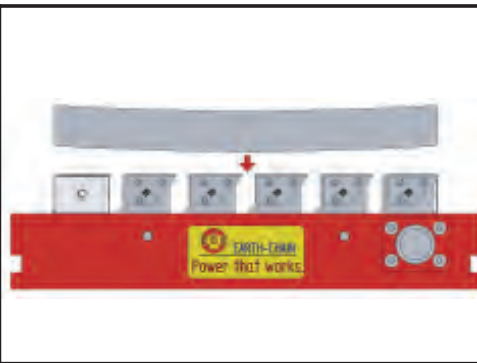
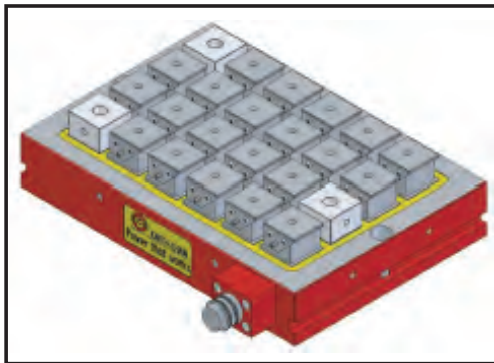


**EEPM-SP**



**EEPM-SPF**

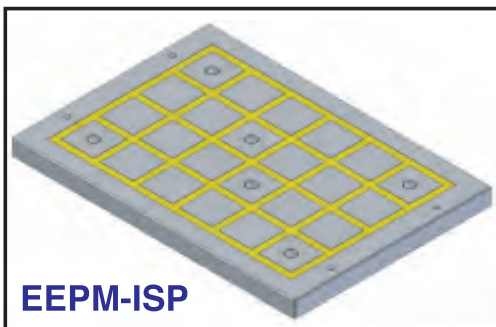
1. Suitable for clamping on iron cast, irregular form and flexuous workpieces, it will not be out of shape of the workpiece after machining.
2. 3 Fixed Blocks is necessary for each workpiece clamping, it could be makes a basic surface for the workpiece touch to the Spring Blocks.  
(See the pictures as below)
3. Elasticity:each 2.5 mm for up and down.



## Option Accessories-Induction Sub Plate

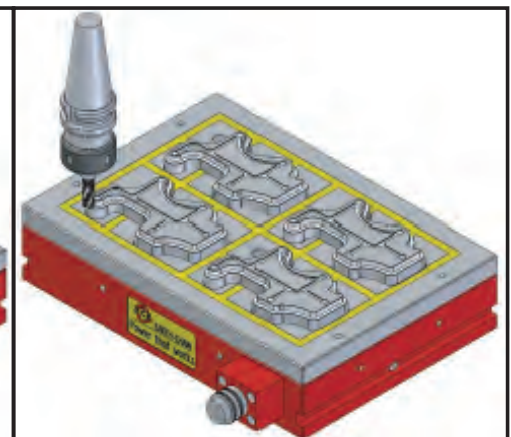
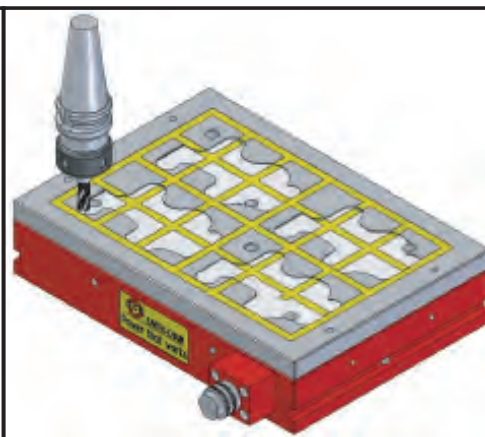
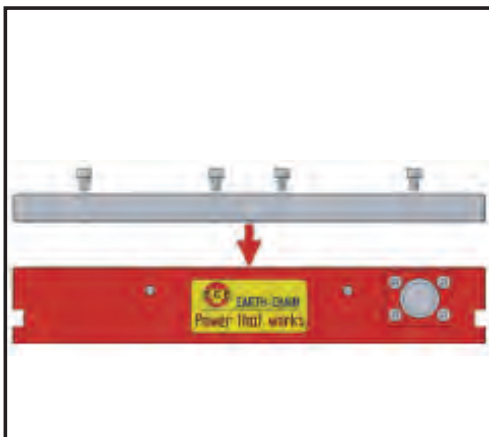
**EEPM-ISP Series**

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



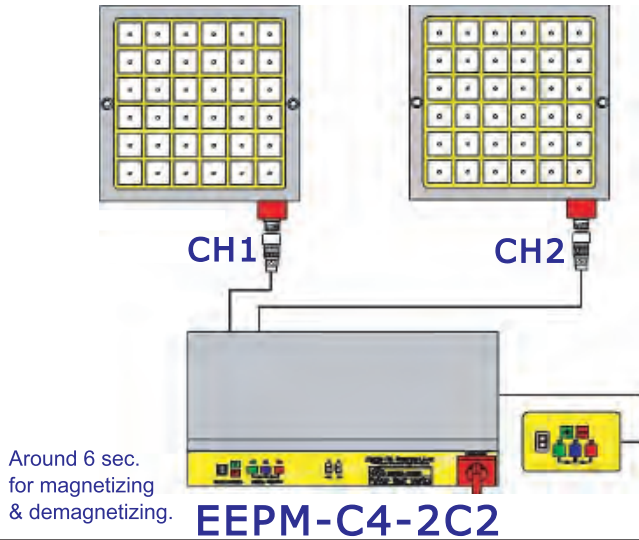
**EEPM-ISP**

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

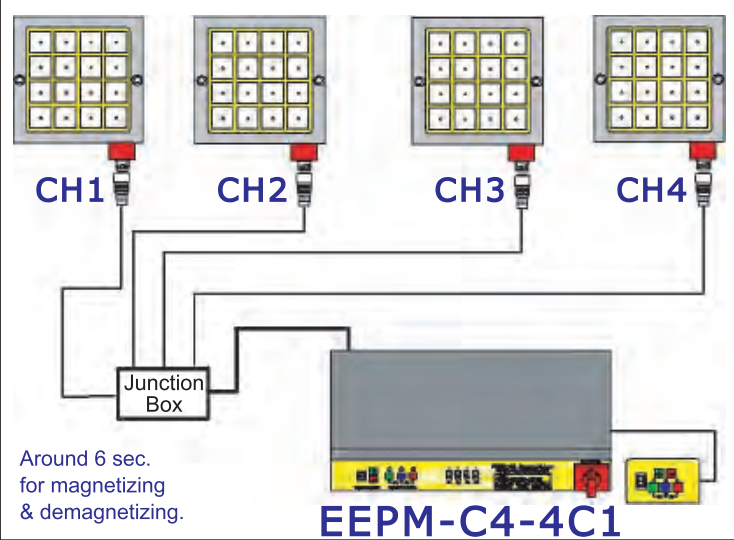


- The controller EEPM-C series with channel switches, can be control multi-EEPM chucks at same time and separately.
- Please advice the voltage of EEPM chucks are AC220V or AC380V~AC440V when purchased.

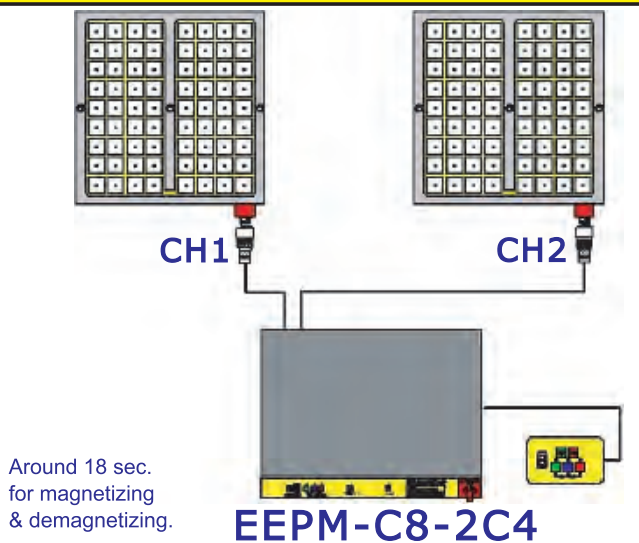
Control for 1 to 2 pieces of C2 EEPM chucks



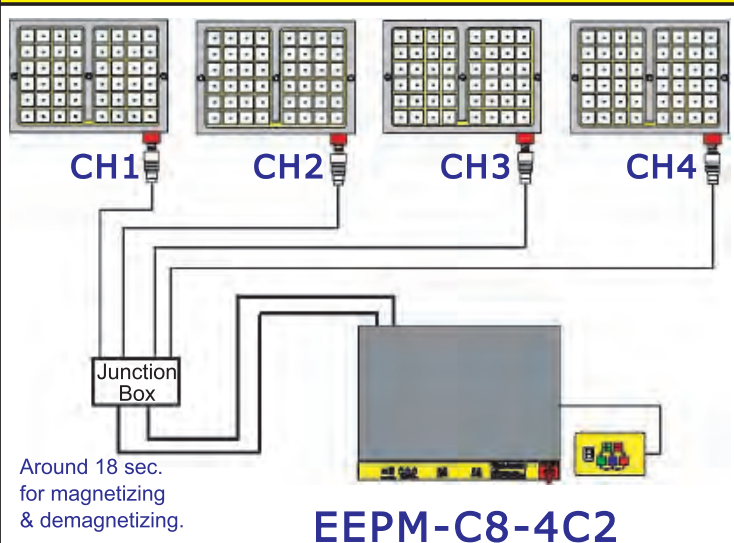
Control for 1 to 4 pieces of C1 EEPM chucks



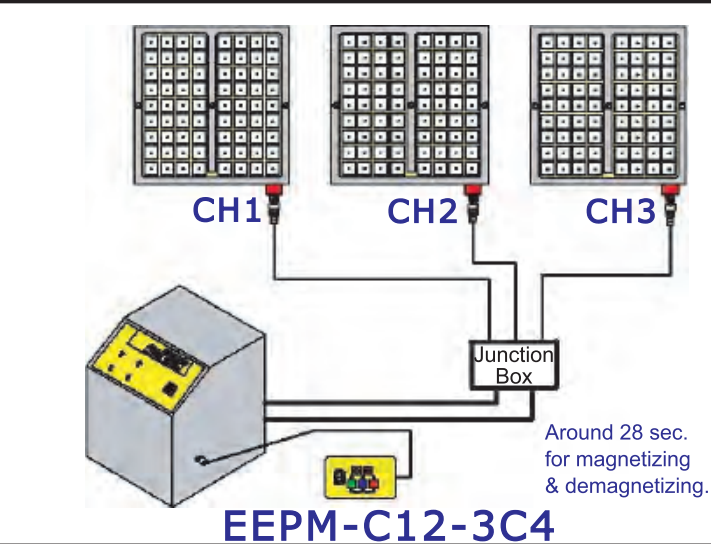
Control for 1 to 2 pieces of C4 EEPM chucks



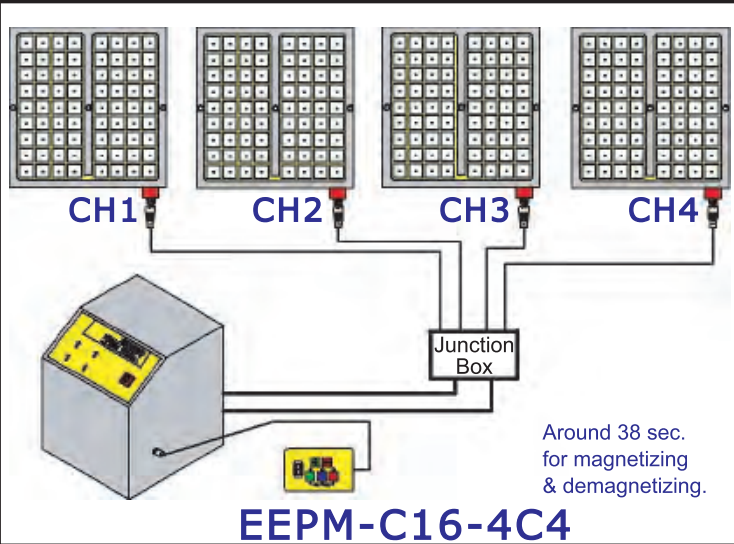
Control for 1 to 4 pieces of C2 EEPM chucks



Control for 1 to 3 pieces of C4 EEPM chucks

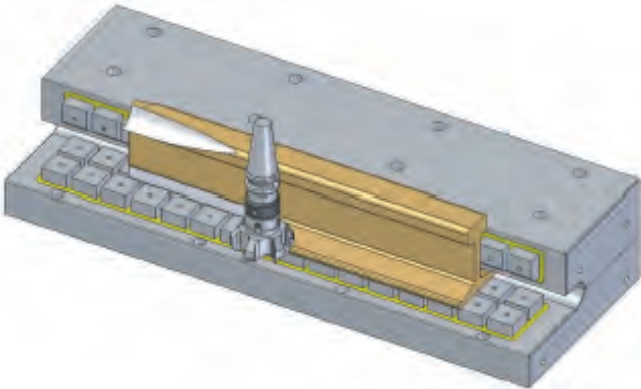
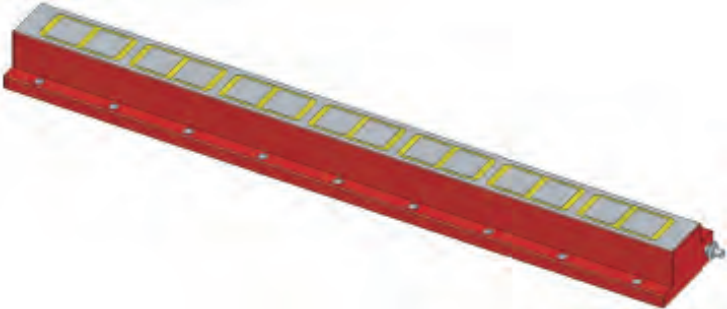
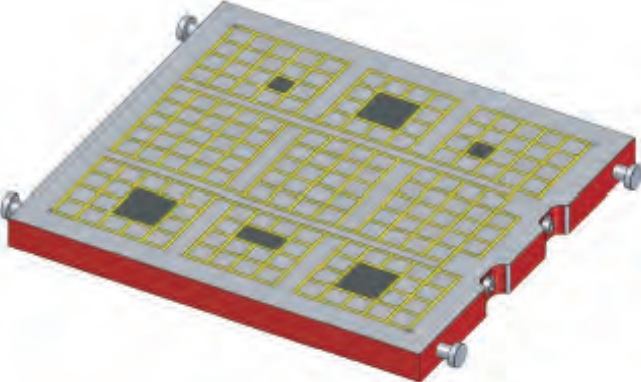
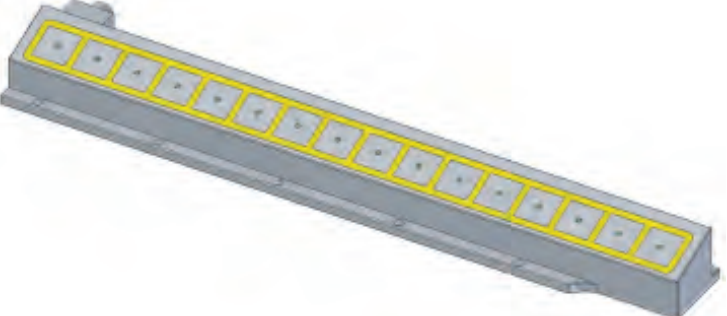
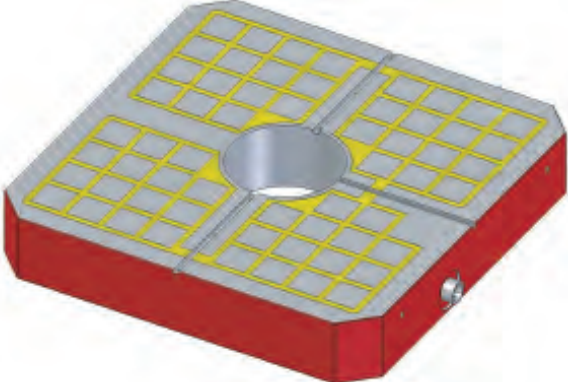

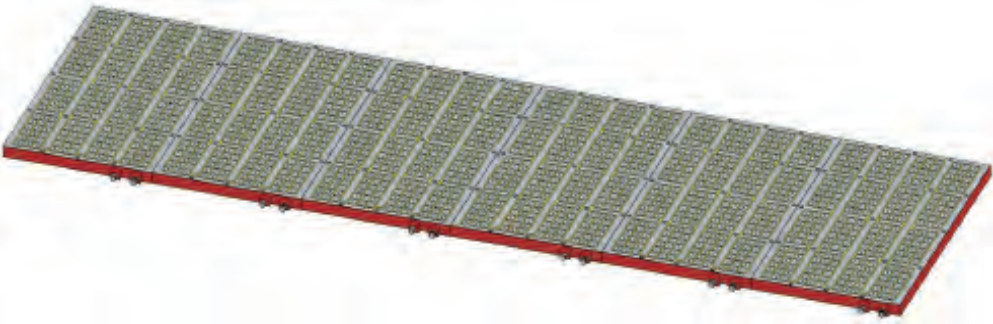
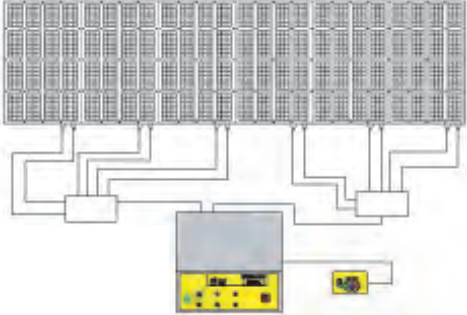


Control for 1 to 4 pieces of C4 EEPM chucks



We made special EEPM chucks required from customers. Customer can be purchase special EEPM chuck depends on the functions of the machine, workpiece and applications for increase efficiency and quality on machining.

## Example of Special Made EEPM Chucks

Used for railway machining.	Used for Linear Guideway grinding.
	
Used on Wire Cutter for positioning mould clamping.	Used for Taper part grinding.
	
Used on Shearing Machine for positioning mould clamping.	Used on special 4 Axis Index Device.
	
Used on Double Column Machining Center for machining big & multi-medium workpiece 5 side machining.	
	
	

Suitable for medium & large workpiece. (Can do 5 sides machining)



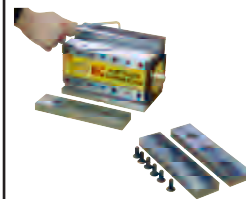
### Patented

Taiwan M258824, Italy,  
USA us7, 224, 251, B2  
Japan 3106264, Korea 0366170,  
Germany 20 2004 009 776.1  
China ZL2004 2 0067865.1

### Standard Accessories:

Handle  
-----1 set  
Induction soft block  
-----1 set  
Stopping plate  
-----1 set  
Guide key  
-----2 pcs  
Switch connector  
-----1 set

### Induction soft block



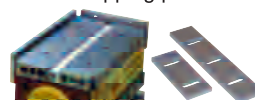
### Handle



### Guide key



### Stopping plate



### Switch connector



## Features:

1. The all new model Magnetic Clamping Block **ECB Series** are a new sense of clamping way for metal working on CNC Machining Center and Milling Machine in quick clamp workpieces.
2. Free to set up position, numbers and distance of Magnetic Clamping Block according to the size of workpiece.
3. The **ECB Series** including changeable Induction Soft Block It can be revised the surface to be 100% accuracy on the machine for clamp workpieces. Can be also cutting, drilling, tapping and slotting directly to the Induction Soft Block during machining workpiece. Multi-function of Induction Soft Block, the user can make it by themselves according to workpiece required.
4. Two machining circle for finish workpiece machining, increase a lot of machining efficiency and achieve accuracy required.

## Applications:

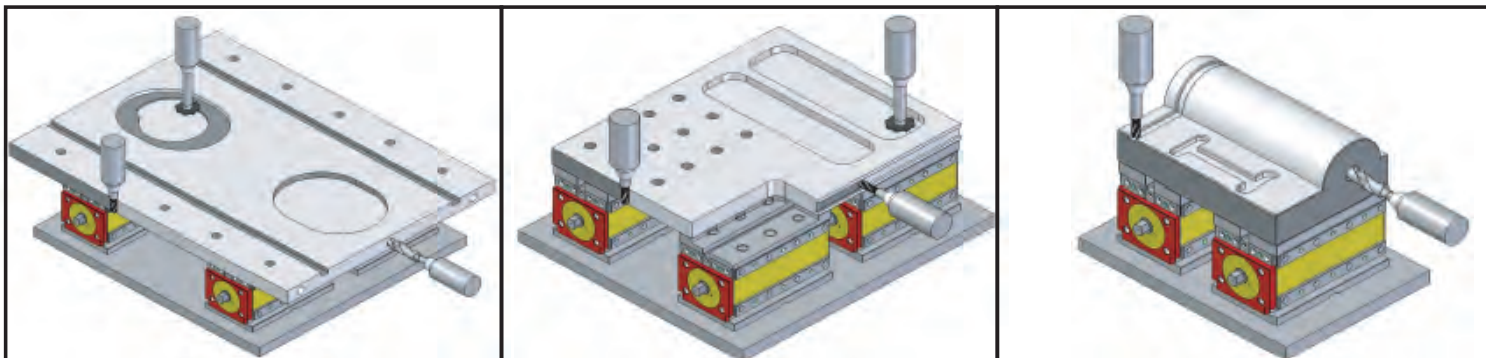
1. Most suitable for medium and large size of workpiece machining on milling machine and CNC machining center.
2. Minimum size of workpiece required as bigger than an area of two Magnetic Clamping Blocks.
3. The Magnetic Clamping Blocks are not suitable for small workpiece clamping.

## Note:

1. Please always make sure the Switch was in ON position before machining.
2. The Magnetic Clamping Blocks are not suitable for non-magnetic material, such as brass, copper, aluminum and stainless steel, etc.
3. The principle of Magnetic Clamping Blocks is magnetism of N. S. poles, so please always put the workpiece between N. S. poles. (The middle of top clamping range)



## Working Example



MODEL NO.	HOLDING POWER	MINIMUM THICKNESS OF WORKPIECE REQUIRED	G	G = +0 -0.03	H	H = +0 -0.03	N.W
<b>ECB-210</b>	2100kgf	30	115	Accuracy control required	134	Accuracy control required	36kg
<b>ECB-120</b>	1200kgf	20	94.5		108		18kg
<b>ECB-075</b>	750kgf	15	88		78		9.5kg
<b>ECB-050</b>	500kgf	15	61		78		7kg

Continual to next page.

Suitable for medium & large workpiece. (Can do 5 sides machining)

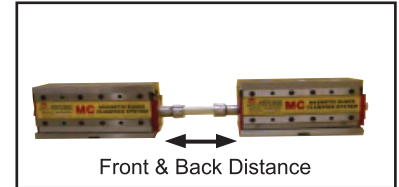
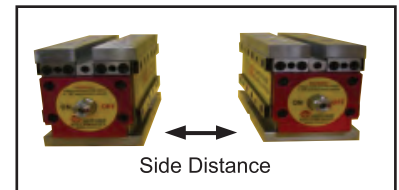
Customer can be makes switch connector by standard hexagon steel bar themselves for depends on length required. The dimension of hexagon bar required as ECB-210 --- 19mm, ECB-120, 075, 050 --- 13mm.



### Maximum & Minimum distance required

Unit:mm

MODEL NO.		ECB-210	ECB-120	ECB-075	ECB-050
SIDE DISTANCE	Min.	100	60	25	25
	Max.	1000	600	400	400
FRONT & BACK DISTANCE	Min.	70	40	40	40
	Max.	500	300	200	200



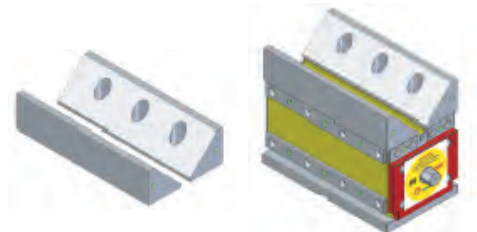
## Working Example



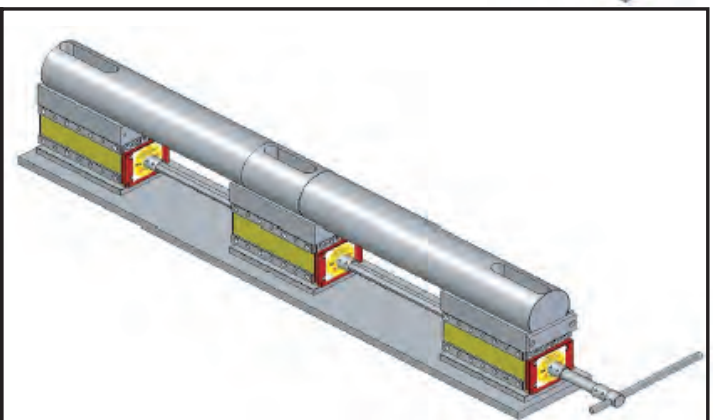
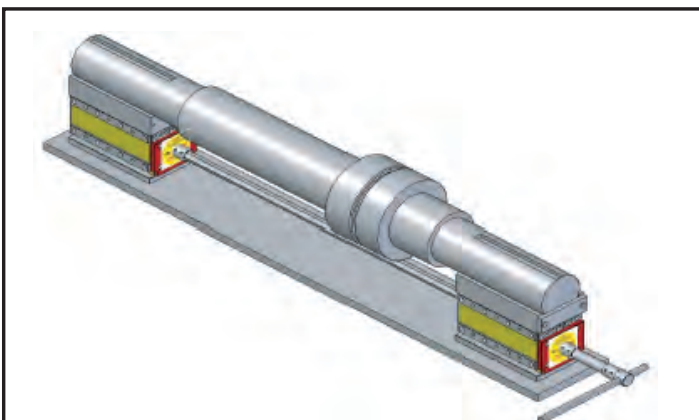
### Special made Induction Block:

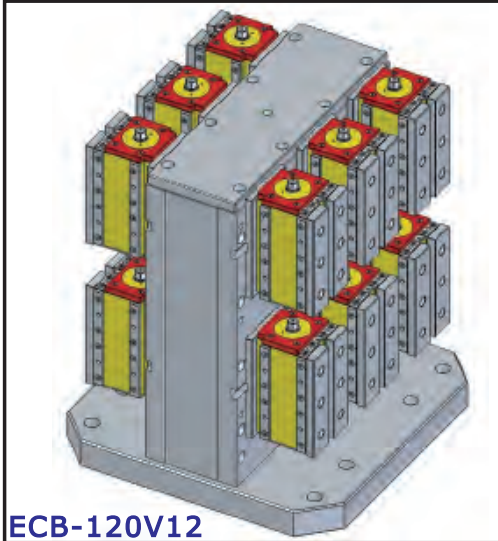
Customer can makes special induction block themselves for depends on the workpiece and application required.

(The material of induction block required as general and low carbon steel)

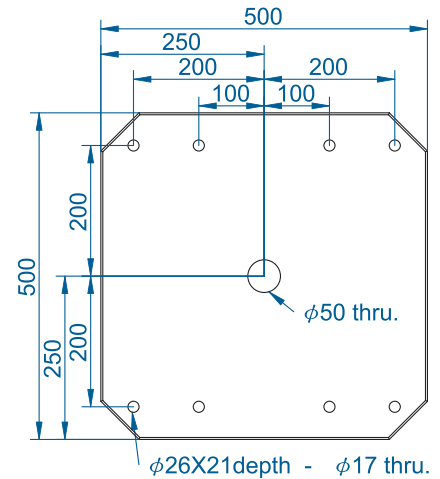
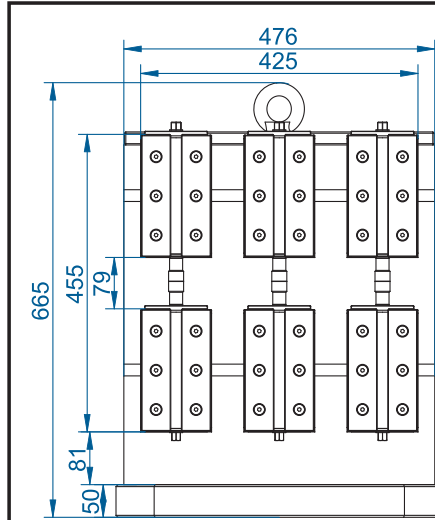


## Example





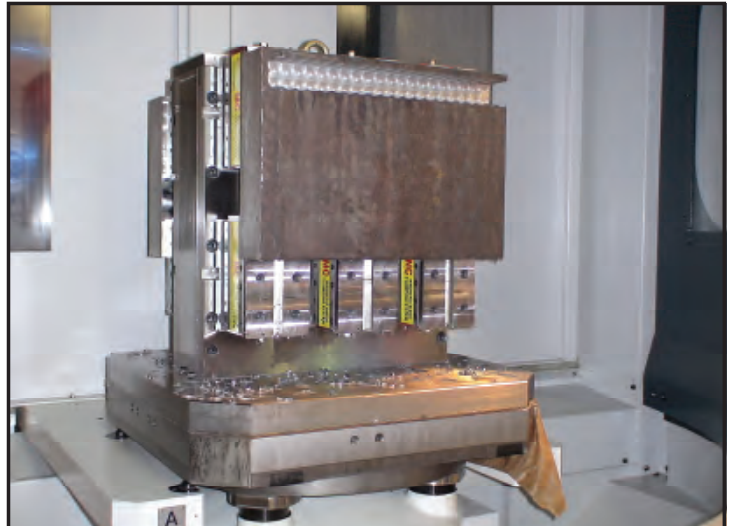
**ECB-120V12**



### Features & Applications:

1. Each 6pcs of ECB-120 magnetic clamping block on 2 working face, each of 7200kgf (1200kgfx6) holding power, can be clamping 2 big workpieces for machining at same time.
2. Customer can makes and assemble any type of clamping device themselves by ECB series for depends on workpieces required.
3. Suitable for use on CNC Horizontal Machining Center. (can do 5 sides machining.)

### Working Example



Custom-made is available.