

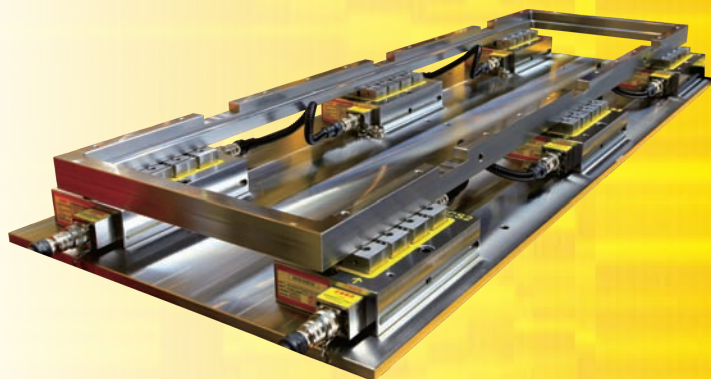


EARTH-CHAIN
Power that works.

Ultimate Excellent Magnetic force
Simultaneous Precision

Mag Vise Magnetic Workholding

(5 sides machining)



Patent Protected violators will be prosecuted
Patented Taiwan M419639, China ZL 2011 2 0314931.0
Patent Pending Country USA, Japan, Italy, Korea, Germany

Electro-Permanent Magnetic Chuck Connection Type **EEPM-C Series**

The 19th Taiwan SMEs Innovation/ The 21st Taiwan & Excellence.



Patented Taiwan M358689

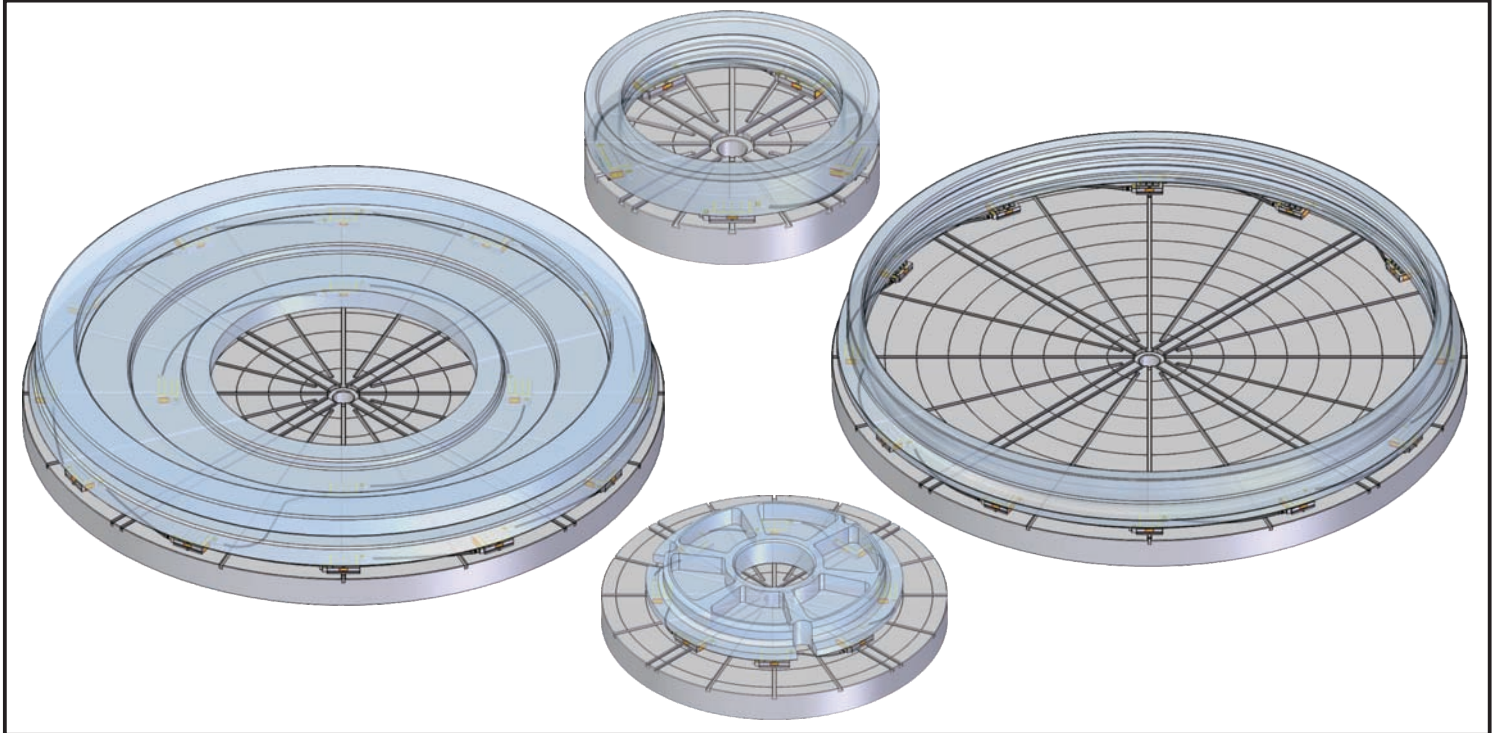
Electro-Permanent Magnetic Chuck **EEPM-CIR & EEPM-CIRS Series** **EEPM-CIR Award the 18th Taiwan SMEs Innovation**



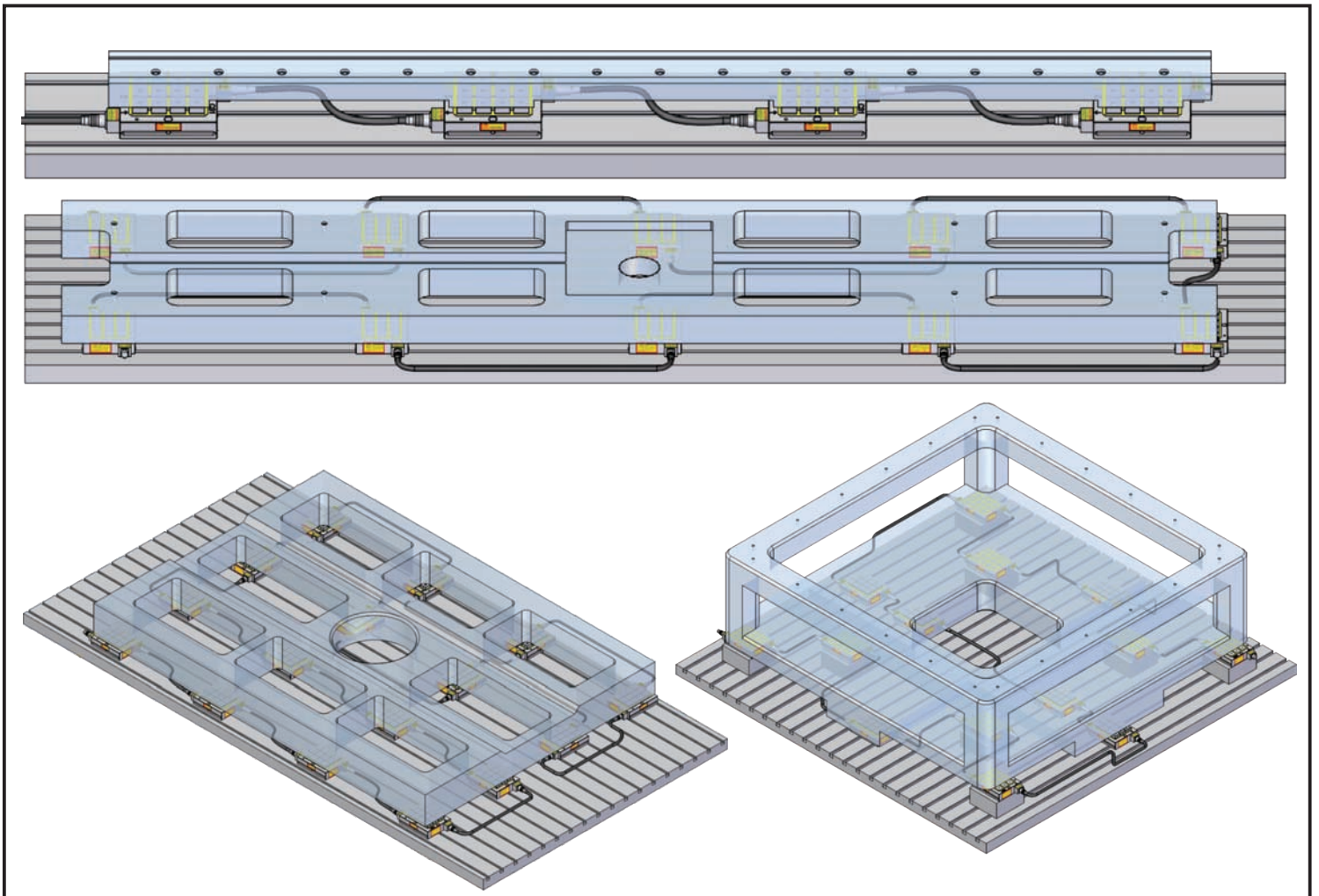
Copyright! All rights reserved!
2014.03

Suitable for use on large Vertical Lathe, Double Column Machining Center and CNC Machining Center ...etc.

Example of Vertical Lathe on Large Workpiece

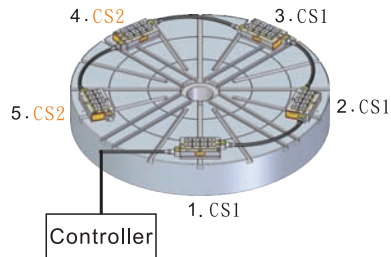


Example of Double Column Machining Center and CNC Machining Center on Large Workpiece

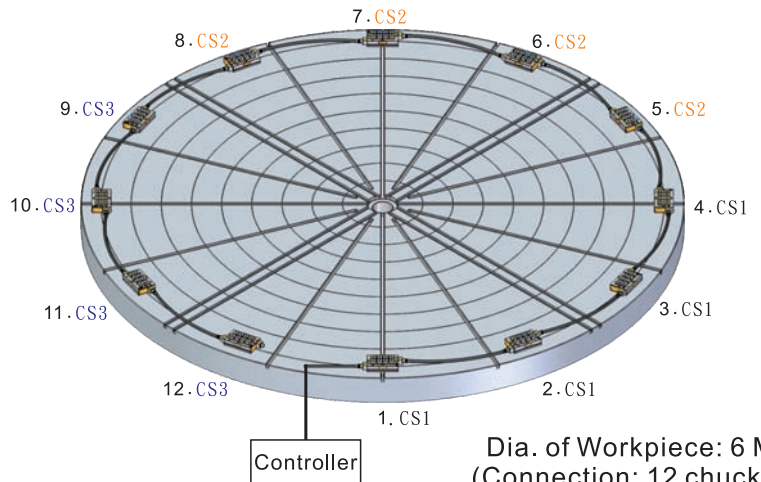


Suitable for use on large Vertical Lathe, Double Column Machining Center and CNC Machining Center ...etc.

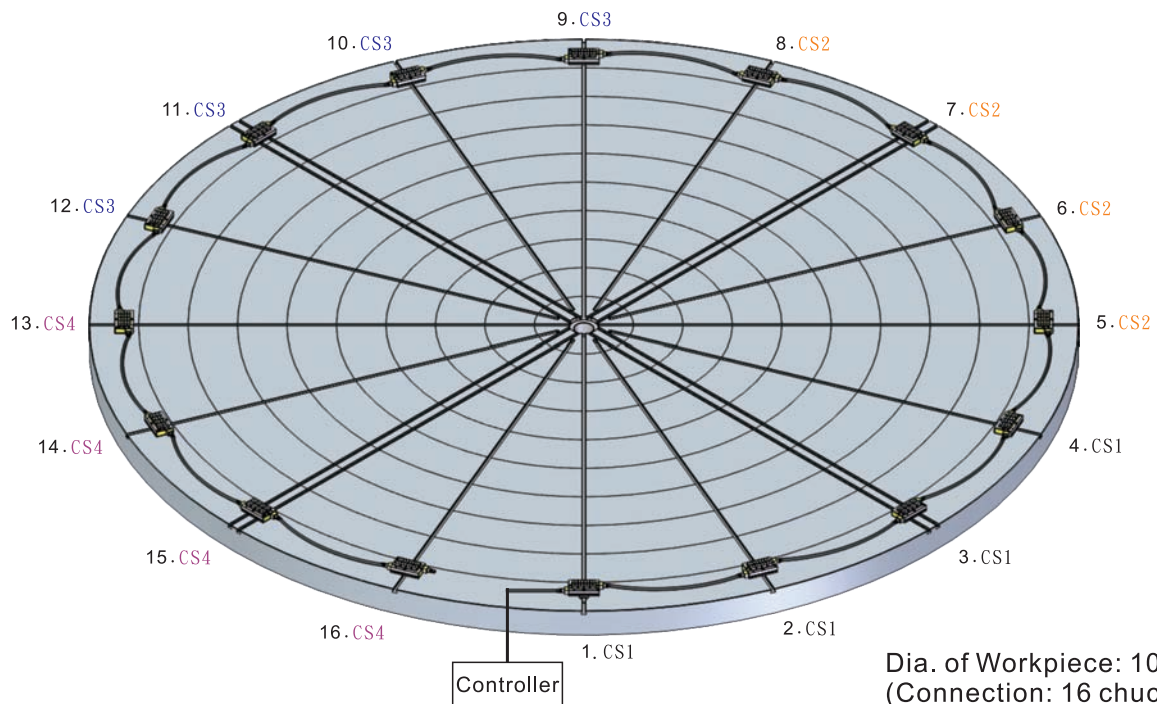
Example of Vertical Lathe on Assembly:



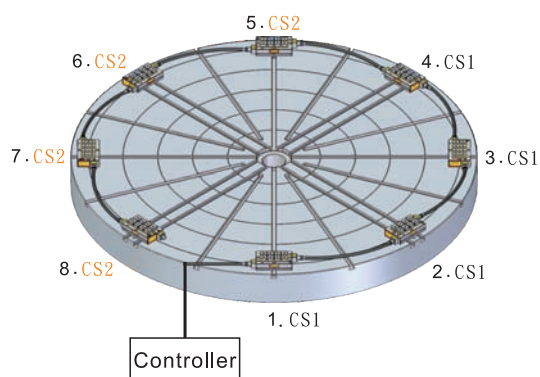
Dia. of Workpiece: 2 M
(Connection: 5 chucks)



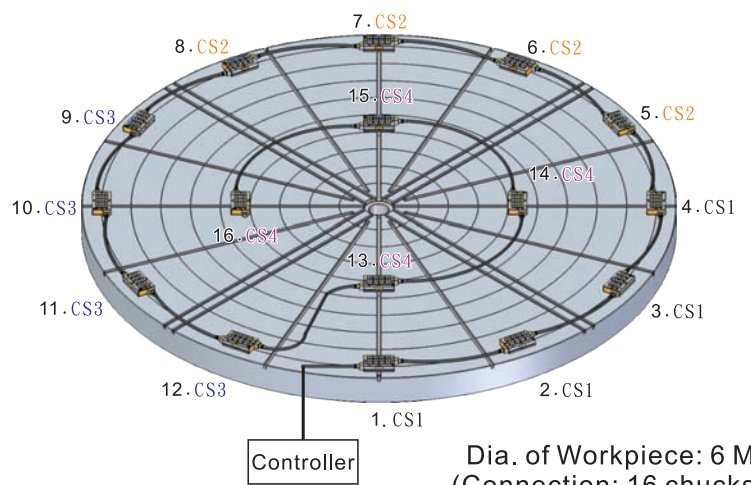
Dia. of Workpiece: 6 M
(Connection: 12 chucks)



Dia. of Workpiece: 10 M
(Connection: 16 chucks)



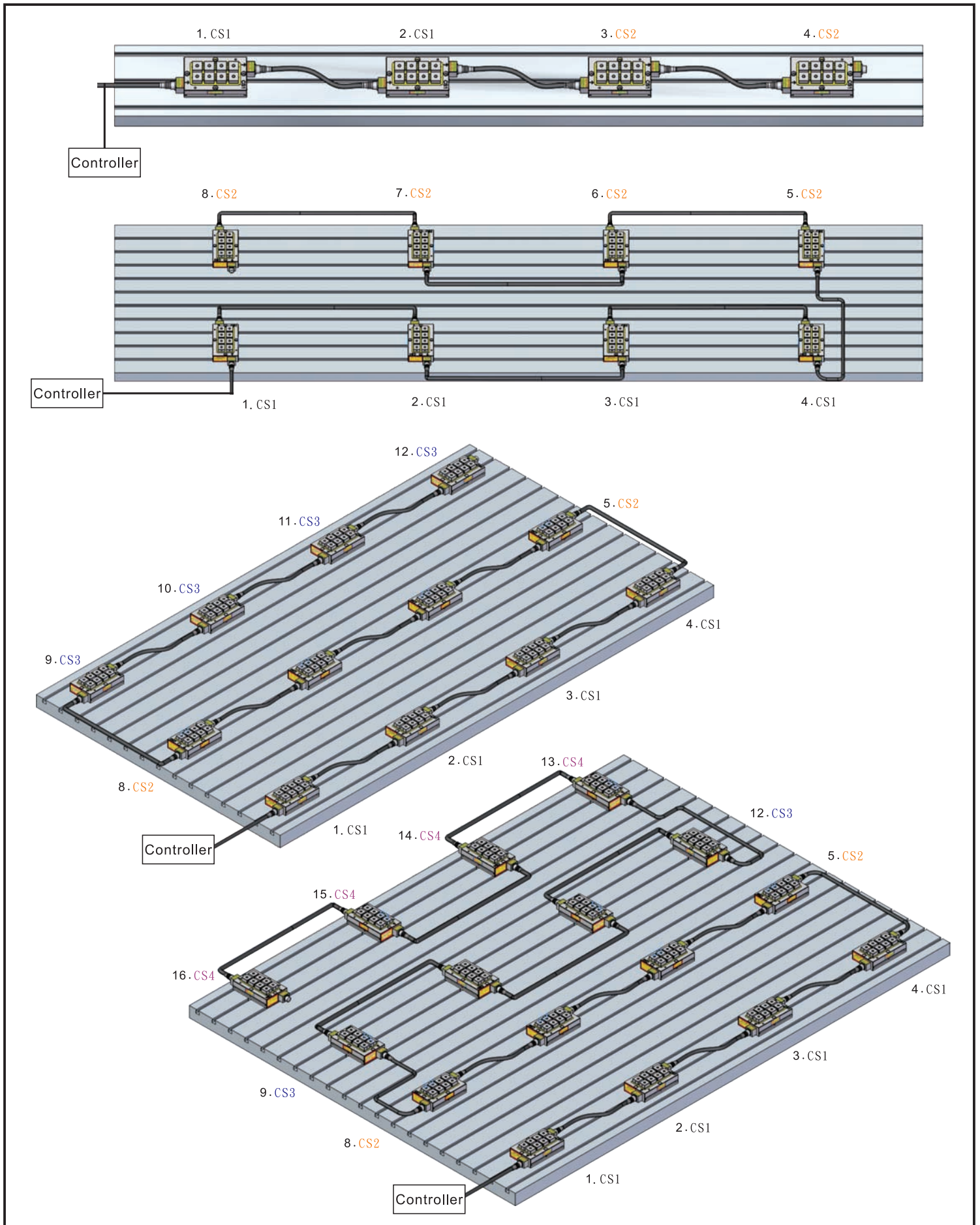
Dia. of Workpiece: 3.5 M
(Connection: 8 chucks)



Dia. of Workpiece: 6 M
(Connection: 16 chucks)

Suitable for use on large Vertical Lathe, Double Column Machining Center and CNC Machining Center ...etc.

Example on Double Column Machining Center and CNC Machining Center on Assembly



Suitable for use on large Vertical Lathe, Double Column Machining Center and CNC Machining Center ...etc.

Features:

1. Super power magnetic force $1250 \text{ kgf}/100\text{cm}^2 \pm 5\%$ (4 poles), can meet various machining process.
2. Structure of Electro-Permanent Magnetic Chuck, no electric power supply required to keep the chuck ON, it could be used for long time and never get temperatures to affect the accuracy of workpiece.
3. Using innovation series and parallel connection modular system, EEPM-C provides a more economic solution to hold various size workpiece. Flexible units could be deployed with various quantities, locations, and distance to each other depending on customers' various workpiece shapes. Save time and cost during machining and increase the accuracy that makes the goods have higher quality and value.
4. According to the size of the workpiece [point] hold the workpiece, changing the magnetic fixture [surface] clamp the workpiece, 100% use of the chuck in an all-round way. Can reduce equipment costs and increase more profits.
5. Without any obstructed movement of cutters during machining. Can do 5-sides machining, drilling, tapping, grooving and forming can be done all in one cycle. This greatly enhances work efficiency, and reduces repeated positioning tolerances to achieve best machining accuracy.

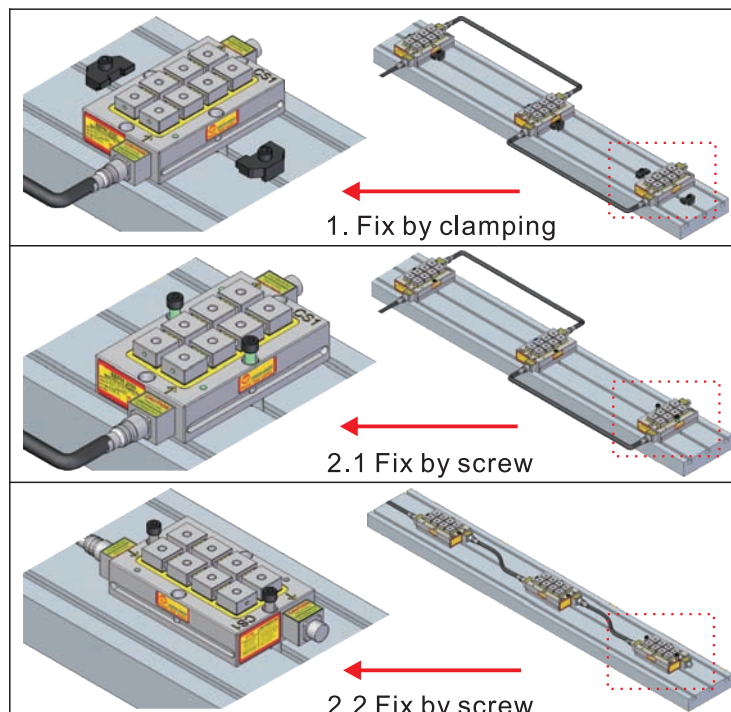
Description:

Customer can choose **EEPM-C Series** refer following steps:

1. Choose number of chucks according to Voltage and workpiece required.
2. Choose Chuck Controller.
3. Choose Chuck Connection Cables
(Length : 300 mm ; 500 mm ; 1000 mm ; 1500mm)

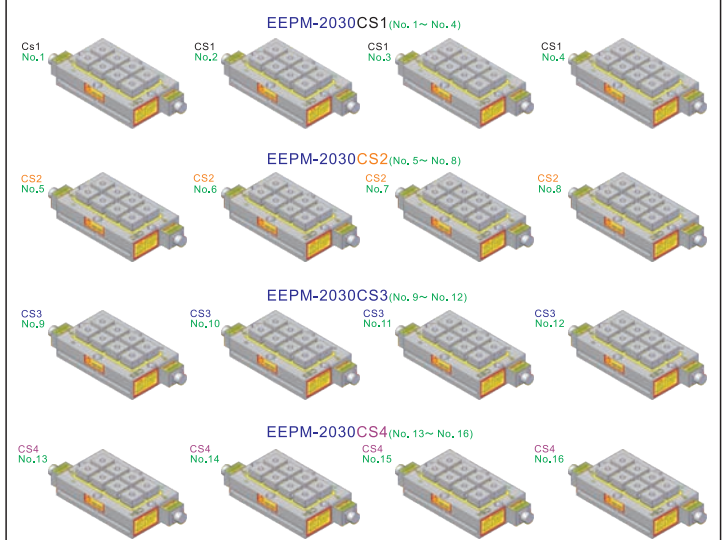
Note: A maximum of 16 chucks can be connected to one controller. If the workpiece dimension requests more than 16 chucks please choose two groups.

Installation:



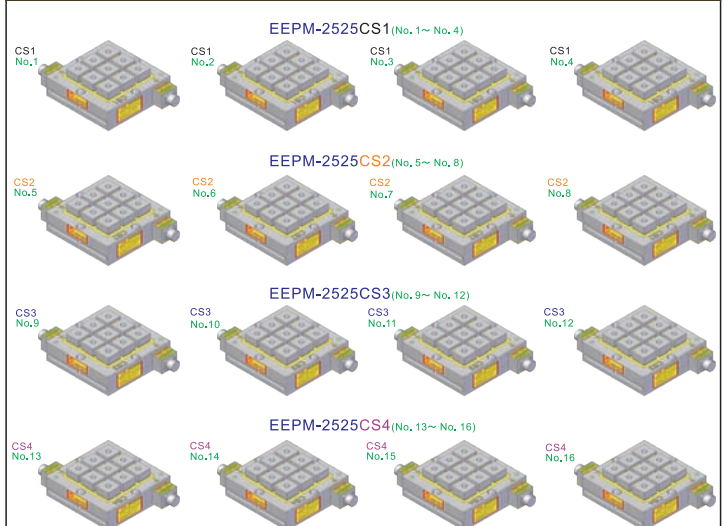
Voltage **220V** Series

1. EEPM-2030C-220V Series



Details in page 1 ~ page 2.

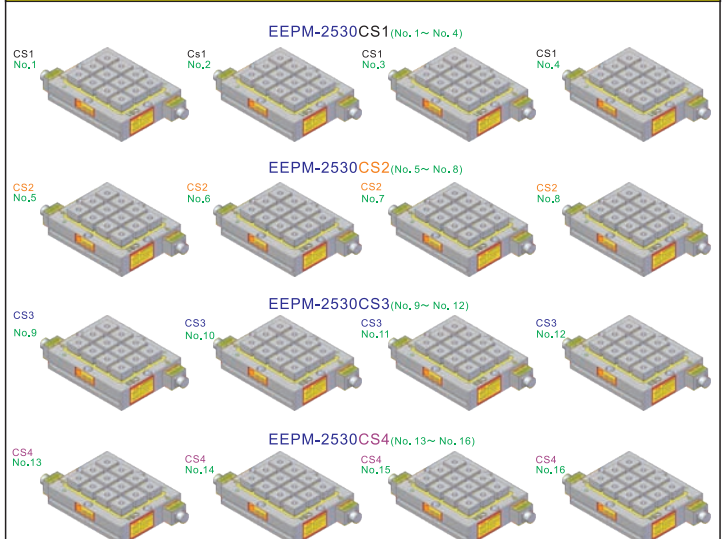
2. EEPM-2525C-220V Series



Details in page 3 ~ page 4.

Voltage **380V ~ 440V** Series

1. EEPM-2530C-380V~440V Series



Details in page 5 ~ page 6.

Suitable for use on large Vertical Lathe, Double Column Machining Center and CNC Machining Center ...etc.

Chuck Controller



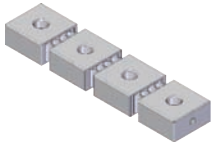
EEPM-C4C

The controller **EEPM-C4C** can be controlled for 1 to 4 piece of **EEPM-CS1**、**CS2**、**CS3**、**CS4** at same time and with detection abnormal function.

Unit: mm

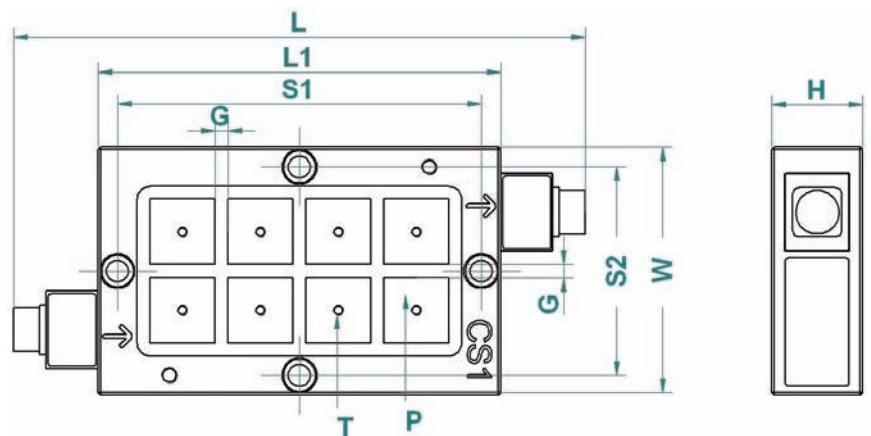
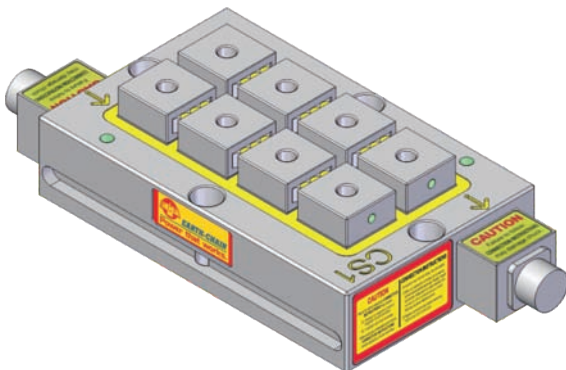
MODEL NO.	VOLTAGE (Single Phase)	DIMENSION			CONNECTION AVAILABLE
		L	W	H	
EEPM-C4C	AC 220V	370	220	125	3~16 Chucks (CS1 x 1~4 pcs, CS2 x 1~4 pcs, CS3 x 1~4 pcs, CS4 x 1~4 pcs)

Standard Accessories : Induction soft block (EEPM-IB425 *2PCS)



EEPM-IB425

Convenience and Accuracy : The induction blocks screwed on the magnetic chuck are replaceable and consumable accessories. You can fine grinding the surface or forming induction blocks according to requirements of workpiece by the machine directly that the parallelism of induction blocks can be 100% with the machine and the 5-sided machining can be easily conducted.



EEPM-2030CS Series

Unit: mm

MODEL NO.	VOLTAGE (Single Phase)	DIMENSION							PITCH (G)	POLE (P)	NO. OF POLE	HOLDING POWER	CHUCK N.W.
		W	L	L1	S1	S2	H	T					
EEPM-2030CS1	DC 220V	190	425	310	280	160	70	M8	10	50X50	8	2500 Kg ±5%	33.5 Kg
EEPM-2030 CS2													
EEPM-2030CS3													
EEPM-2030 CS4													

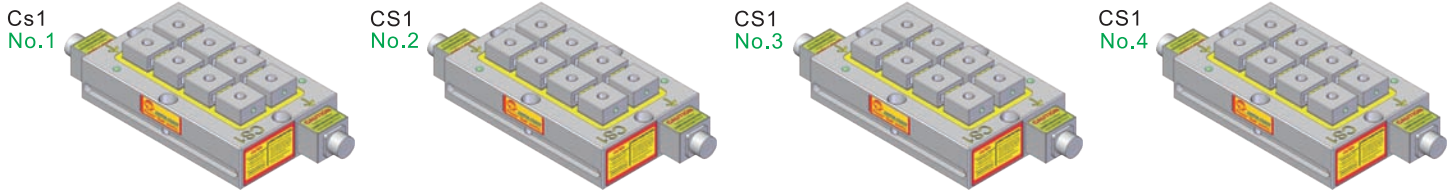
Chuck Connection Cable (4 types for options):



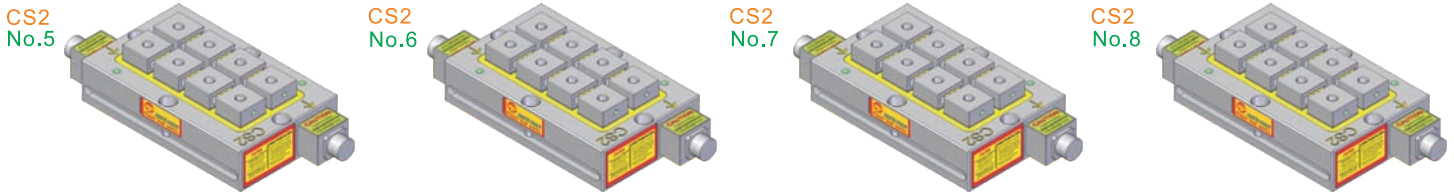
MODEL NO. **EEPM-CC03**:300mm ; **EEPM-CC05**:500mm ; **EEPM-CC10**: 1000mm ; **EEPM-CC15**:1500mm.

Suitable for use on large Vertical Lathe, Double Column Machining Center and CNC Machining Center ...etc.

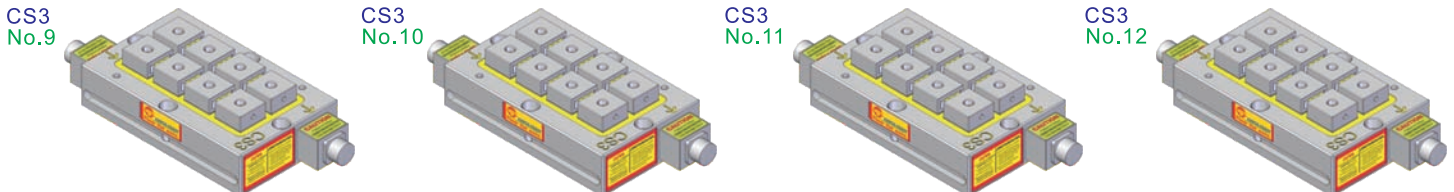
EEPM-2030CS1(No. 1~ No. 4)



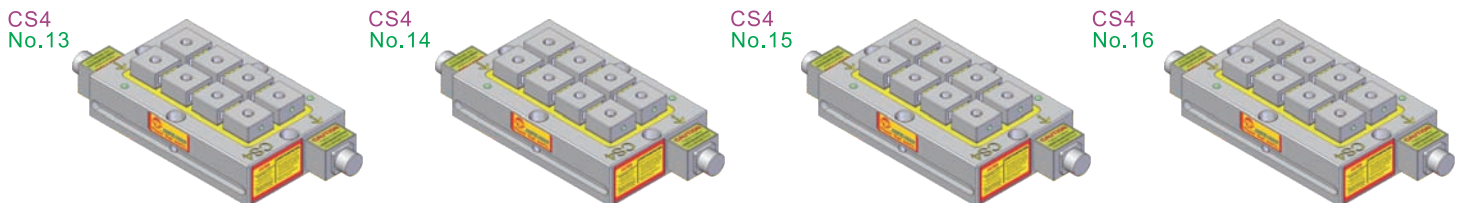
EEPM-2030CS2(No. 5~ No. 8)



EEPM-2030CS3(No. 9~ No. 12)



EEPM-2030CS4(No. 13~ No. 16)



CONNECTION TABLE FOR EEPM-2030C-220V

CHUCK NOS.	MAX DISTANCE BETWEEN CHUCKS	CHUCKS CONNECTION	POLE NO. OF EACH CHUCK	HOLDING POWER OF EACH CHUCK	TOTAL HOLDING POWER ±5%	CURRENT AMP	CONTROLLER
3	800 mm	CS1x2pcs, CS2x1pcs	8	2500 Kgf ±5%	7500 Kgf	15A	C4C
4		CS1x2pcs, CS2x2pcs			10000 Kgf	15A	C4C
5		CS1x3pcs, CS2x2pcs			12500 Kgf	25A	C4C
6		CS1x3pcs, CS2x3pcs			15000 Kgf	32A	C4C
7	1000 mm	CS1x4pcs, CS2x3pcs			17500 Kgf	32A	C4C
8		CS1x4pcs, CS2x4pcs			20000 Kgf	32A	C4C
9		CS1x4pcs, CS2x3pcs, CS3x2pcs			22500 Kgf	32A	C4C
10		CS1x4pcs, CS2x3pcs, CS3x3pcs			25000 Kgf	32A	C4C
11	1500 mm	CS1x4pcs, CS2x4pcs, CS3x3pcs			27500 Kgf	32A	C4C
12		CS1x4pcs, CS2x4pcs, CS3x4pcs			30000 Kgf	32A	C4C
13		CS1x4pcs, CS2x4pcs, CS3x3pcs, CS4x2pcs			32500 Kgf	32A	C4C
14		CS1x4pcs, CS2x4pcs, CS3x3pcs, CS4x3pcs			35000 Kgf	32A	C4C
15		CS1x4pcs, CS2x4pcs, CS3x4pcs, CS4x3pcs			37500 Kgf	32A	C4C
16		CS1x4pcs, CS2x4pcs, CS3x4pcs, CS4x4pcs			40000 Kgf	32A	C4C

If the workpiece dimension requests more than 16 chucks, please use two groups of chuck unit.

Suitable for use on large Vertical Lathe, Double Column Machining Center and CNC Machining Center ...etc.

Chuck Controller



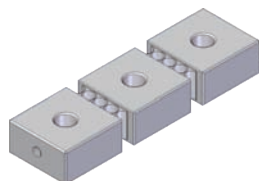
EEPM-C4C

The controller **EEPM-C4C** can be controlled for 1 to 4 piece of **EEPM-CS1**、**CS2**、**CS3**、**CS4** at same time and with detection abnormal function.

Unit: mm

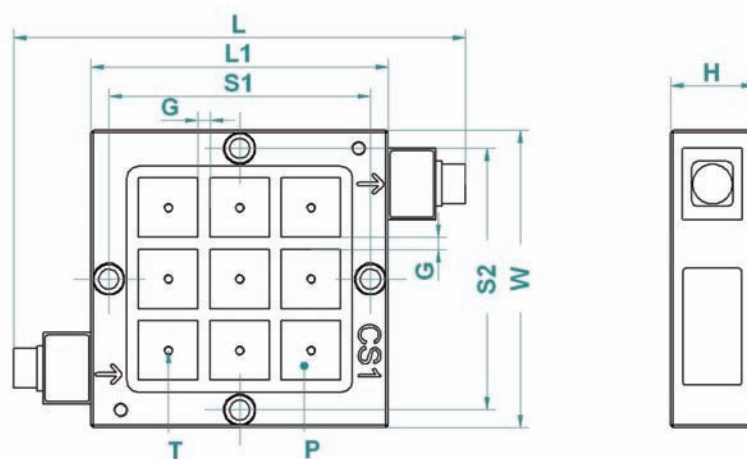
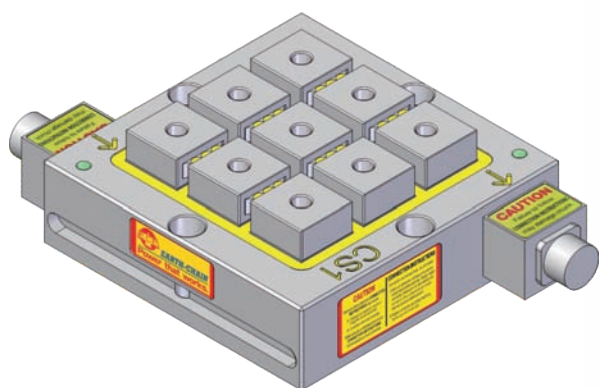
MODEL NO.	VOLTAGE (Single Phase)	DIMENSION			CONNECTION AVAILABLE
		L	W	H	
EEPM-C4C	AC 220V	370	220	125	3~16 Chucks (CS1 x 1~4 pcs, CS2 x 1~4 pcs, CS3 x 1~4 pcs, CS4 x 1~4 pcs)

Standard Accessories : Induction soft block (EEPM-IB325 *3PCS)



EEPM-IB325

Convenience and Accuracy : The induction blocks screwed on the magnetic chuck are replaceable and consumable accessories. You can fine grinding the surface or forming induction blocks according to requirements of workpiece by the machine directly that the parallelism of induction blocks can be 100% with the machine and the 5-sided machining can be easily conducted.



EEPM-2525CS Series

Unit: mm

MODEL NO.	VOLTAGE (Single Phase)	DIMENSION							PITCH (G)	POLE (P)	NO. OF POLE	HOLDING POWER	CHUCK N.W.
		W	L	L1	S1	S2	H	T					
EEPM-2525CS1	DC 220V	250	380	250	220	220	70	M8	10	50X50	9	2800 Kg ±5%	35.0 Kg
EEPM-2525 CS2													
EEPM-2525CS3													
EEPM-2525 CS4													

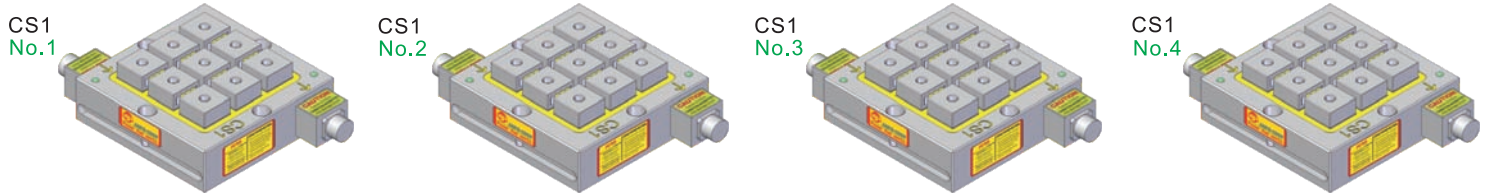
Chuck Connection Cable (4 types for options):



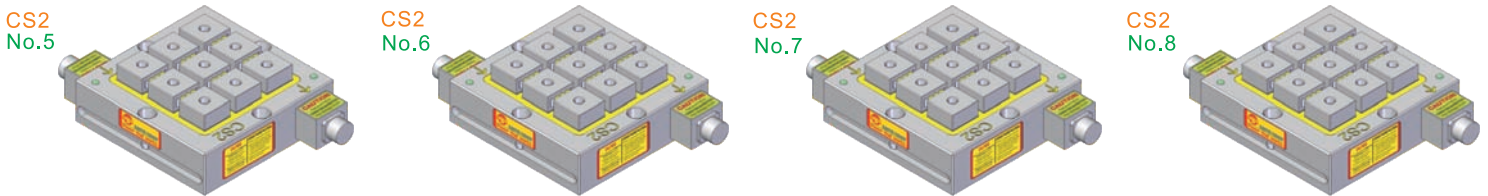
MODEL NO. **EEPM-CC03**:300mm ; **EEPM-CC05**:500mm ; **EEPM-CC10**: 1000mm ; **EEPM-CC15**:1500mm.

Suitable for use on large Vertical Lathe, Double Column Machining Center and CNC Machining Center ...etc.

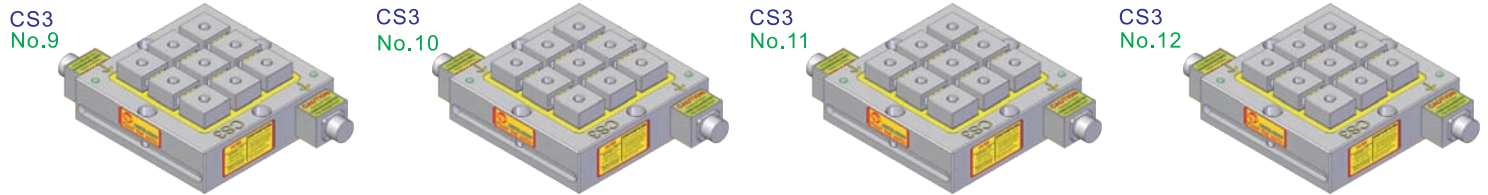
EEPM-2525CS1 (No. 1~ No. 4)



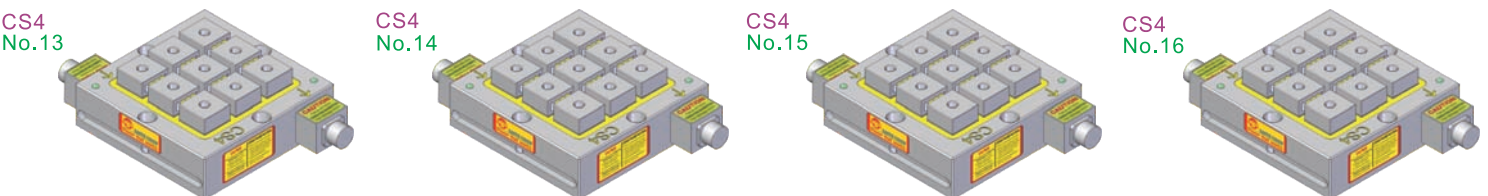
EEPM-2525CS2 (No. 5~ No. 8)



EEPM-2525CS3 (No. 9~ No. 12)



EEPM-2525CS4 (No. 13~ No. 16)



CONNECTION TABLE FOR EEPM-2525C-220V

CHUCK NOS.	MAX DISTANCE BETWEEN CHUCKS	CHUCKS CONNECTION	POLE NO. OF EACH CHUCK	HOLDING POWER OF EACH CHUCK	TOTAL HOLDING POWER ± 5%	CURRENT AMP	CONTROLLER
3	800 mm	CS1x2pcs, CS2x1pcs	9	2800 Kgf ±5%	8400 Kgf	15A	C4C
4		CS1x2pcs, CS2x2pcs			11200 Kgf	15A	C4C
5		CS1x3pcs, CS2x2pcs			14000 Kgf	20A	C4C
6		CS1x3pcs, CS2x3pcs			16800 Kgf	20A	C4C
7		CS1x4pcs, CS2x3pcs			19600 Kgf	30A	C4C
8		CS1x4pcs, CS2x4pcs			22400 Kgf	30A	C4C
9	1000 mm	CS1x4pcs, CS2x3pcs, CS3x2pcs			25200 Kgf	30A	C4C
10		CS1x4pcs, CS2x3pcs, CS3x3pcs			28000 Kgf	30A	C4C
11		CS1x4pcs, CS2x4pcs, CS3x3pcs			30800 Kgf	30A	C4C
12		CS1x4pcs, CS2x4pcs, CS3x4pcs			33600 Kgf	30A	C4C
13	1500 mm	CS1x4pcs, CS2x4pcs, CS3x3pcs, CS4x2pcs			36400 Kgf	30A	C4C
14		CS1x4pcs, CS2x4pcs, CS3x3pcs, CS4x3pcs			39200 Kgf	30A	C4C
15		CS1x4pcs, CS2x4pcs, CS3x4pcs, CS4x3pcs			42000 Kgf	30A	C4C
16		CS1x4pcs, CS2x4pcs, CS3x4pcs, CS4x4pcs			44800 Kgf	30A	C4C

If the workpiece dimension requests more than 16 chucks, please use two groups of chuck unit.

Suitable for use on large Vertical Lathe, Double Column Machining Center and CNC Machining Center ...etc.

Chuck Controller



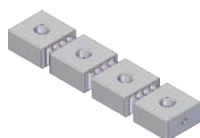
EEPM-C4C

The controller EEPM-C4C can be controlled for 1 to 4 piece of EEPM-CS1、CS2、CS3、CS4 at same time and with detection abnormal function.

Unit: mm

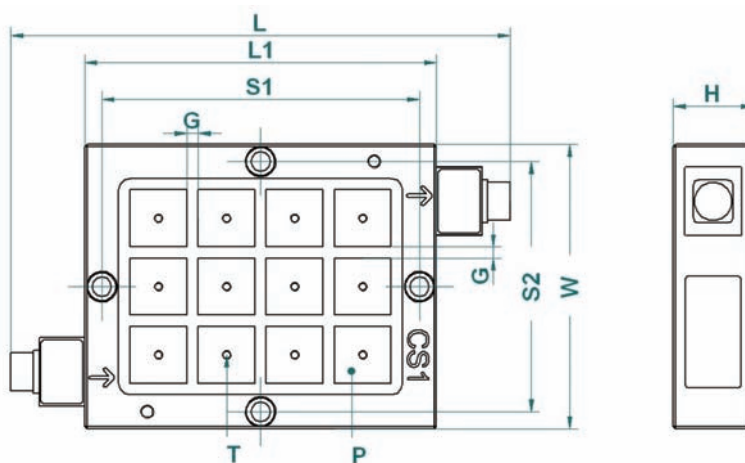
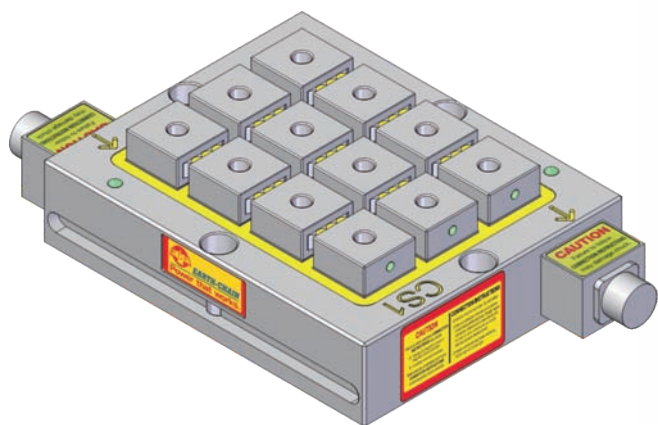
MODEL NO.	VOLTAGE (Single Phase)	DIMENSION			CONNECTION AVAILABLE
		L	W	H	
EEPM-C4C	AC 380V / AC 440V	370	220	125	3~16 Chucks (CS1 x 1~4 pcs, CS2 x 1~4 pcs, CS3 x 1~4 pcs, CS4 x 1~4 pcs)

Standard Accessories : Induction soft block (EEPM-IB425 *3PCS)



EEPM-IB425

Convenience and Accuracy : The induction blocks screwed on the magnetic chuck are replaceable and consumable accessories. You can fine grinding the surface or forming induction blocks according to requirements of workpiece by the machine directly that the parallelism of induction blocks can be 100% with the machine and the 5-sided machining can be easily conducted.



EEPM-2530CS Series

Unit: mm

MODEL NO.	VOLTAGE (Single Phase)	DIMENSION							PITCH (G)	POLE (P)	NO. OF POLE	HOLDING POWER	CHUCK N.W.
		W	L	L1	S1	S2	H	T					
EEPM-2530CS1 EEPM-2530CS2 EEPM-2530CS3 EEPM-2530CS4	DC 380V / DC 440V	250	425	310	280	220	70	M8	10	50X50	12	3800 Kg ±5%	44.0 Kg

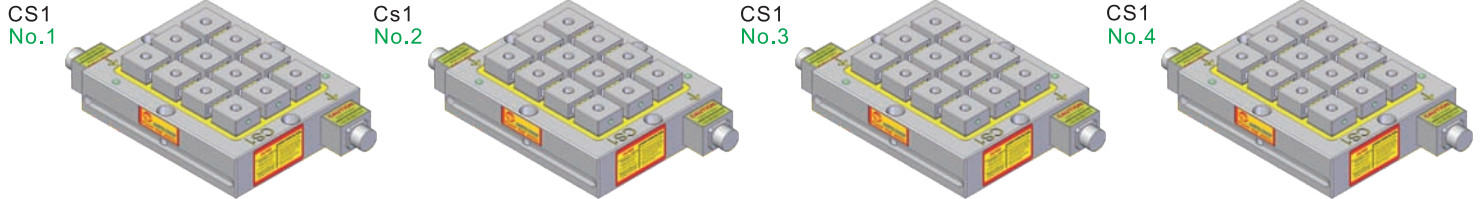
Chuck Connection Cable (4 types for options):



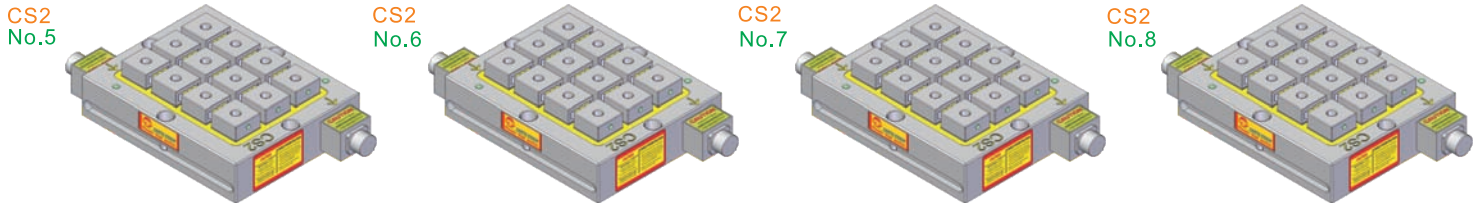
MODEL NO. EEPM-CC03:300mm ; EEPM-CC05:500mm ; EEPM-CC10:1000mm ; EEPM-CC15:1500mm.

Suitable for use on large Vertical Lathe, Double Column Machining Center and CNC Machining Center ...etc.

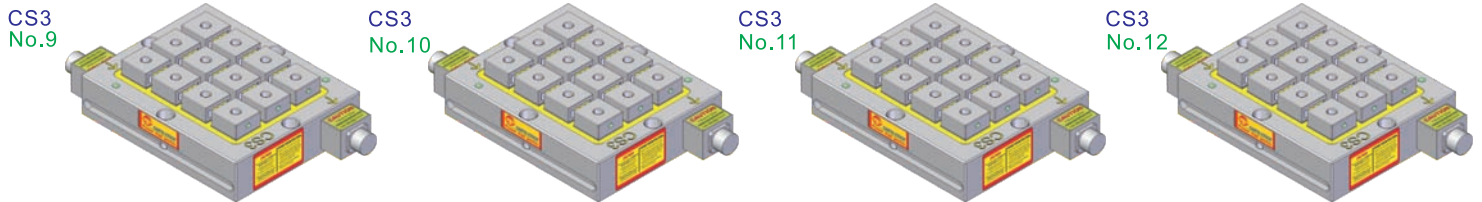
EEPM-2530CS1(No. 1~ No. 4)



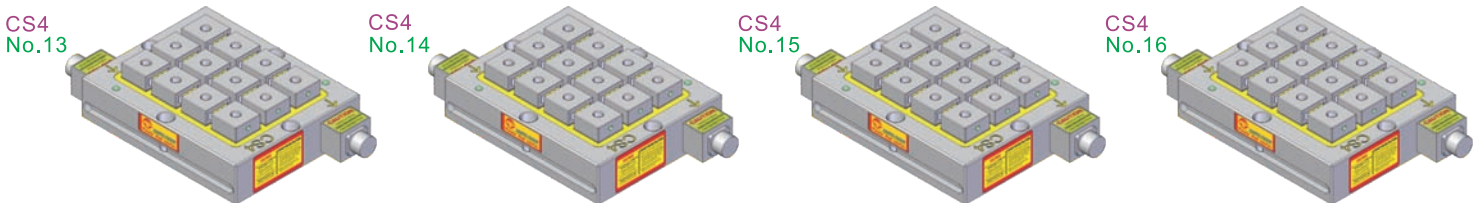
EEPM-2530CS2(No. 5~ No. 8)



EEPM-2530CS3(No. 9~ No. 12)



EEPM-2530CS4(No. 13~ No. 16)

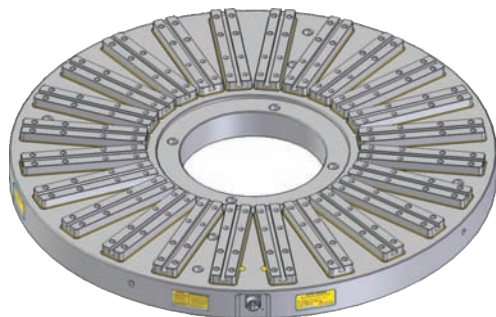


CONNECTION TABLE FOR EEPM-2530C-380V~440V

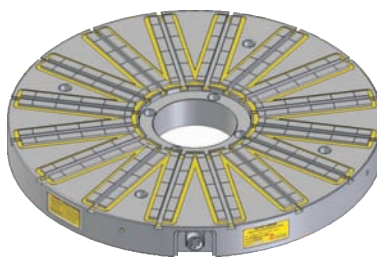
CHUCK NOS.	MAX DISTANCE BETWEEN CHUCKS	CHUCKS CONNECTION	POLE NO. OF EACH CHUCK	HOLDING POWER OF EACH CHUCK	TOTAL HOLDING POWER $\pm 5\%$	CURRENT AMP	CONTROLLER
3	800 mm	CS1x2pcs, CS2x1pcs	12	3800 Kgf $\pm 5\%$	11400 Kgf	15A	C4C
4		CS1x2pcs, CS2x2pcs			15200 Kgf	15A	C4C
5		CS1x3pcs, CS2x2pcs			19000 Kgf	20A	C4C
6		CS1x3pcs, CS2x3pcs			22800 Kgf	25A	C4C
7		CS1x4pcs, CS2x3pcs			26600 Kgf	25A	C4C
8		CS1x4pcs, CS2x4pcs			30400 Kgf	30A	C4C
9	1000 mm	CS1x4pcs, CS2x3pcs, CS3x2pcs			34200 Kgf	30A	C4C
10		CS1x4pcs, CS2x3pcs, CS3x3pcs			38000 Kgf	35A	C4C
11		CS1x4pcs, CS2x4pcs, CS3x3pcs			41800 Kgf	40A	C4C
12		CS1x4pcs, CS2x4pcs, CS3x4pcs			45600 Kgf	40A	C4C
13		CS1x4pcs, CS2x4pcs, CS3x3pcs, CS4x2pcs			49400 Kgf	40A	C4C
14		CS1x4pcs, CS2x4pcs, CS3x3pcs, CS4x3pcs			53200 Kgf	40A	C4C
15		CS1x4pcs, CS2x4pcs, CS3x4pcs, CS4x3pcs			57000 Kgf	45A	C4C
16		CS1x4pcs, CS2x4pcs, CS3x4pcs, CS4x4pcs			60800 Kgf	45A	C4C

If the workpiece dimension requests more than 16 chucks, please use two groups of chuck unit.

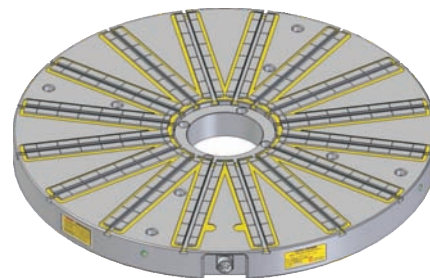
Made with T-slots available



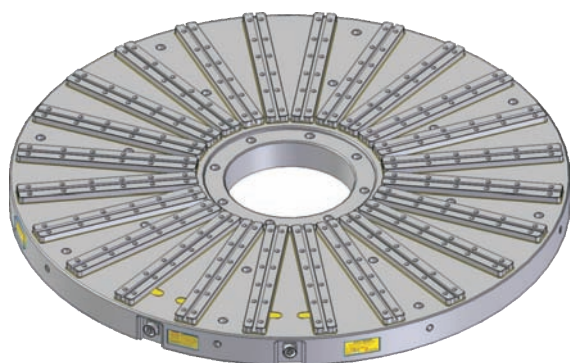
EEPM-CIR1250



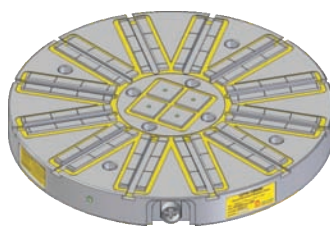
EEPM-CIR800



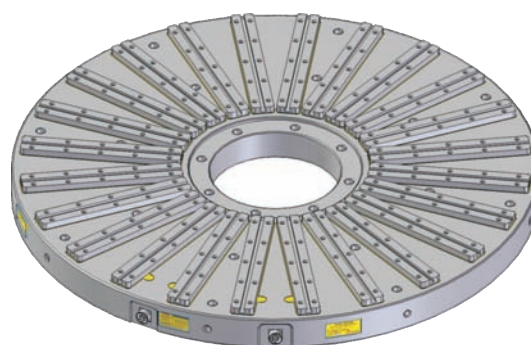
EEPM-CIR1000



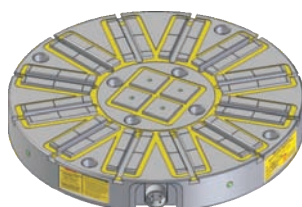
EEPM-CIR1600



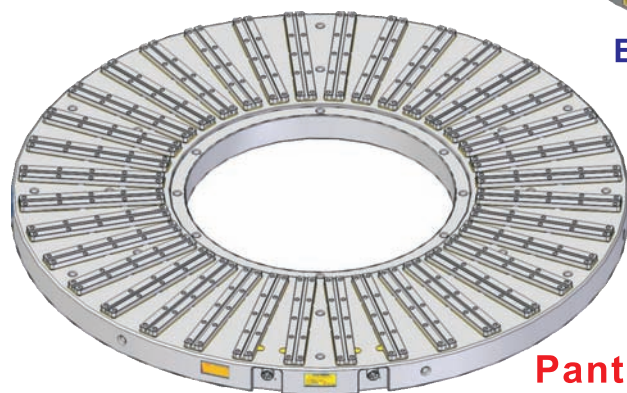
EEPM-CIR600



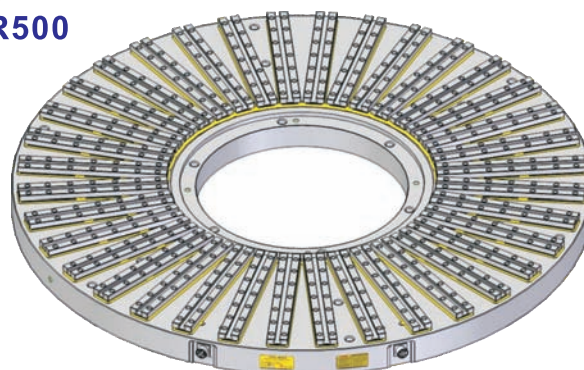
EEPM-CIR1500



EEPM-CIR500



EEPM-CIR2000



EEPM-CIR1800

Panted

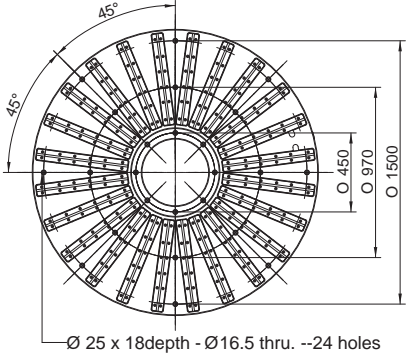
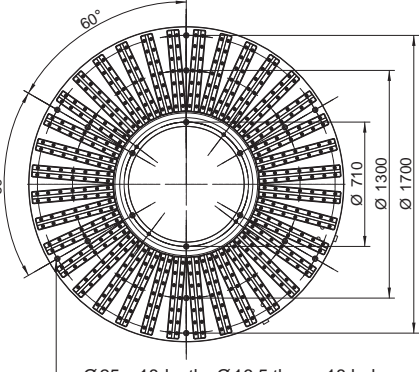
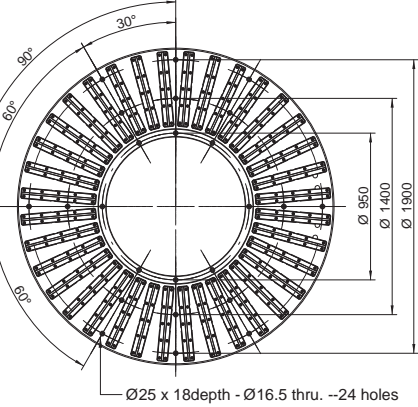
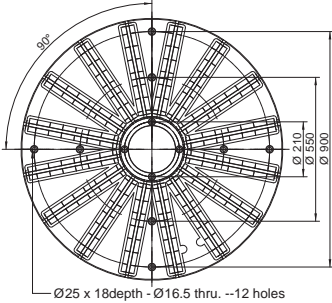
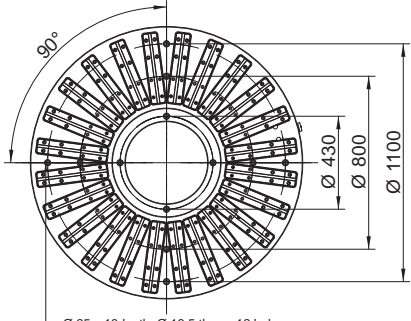
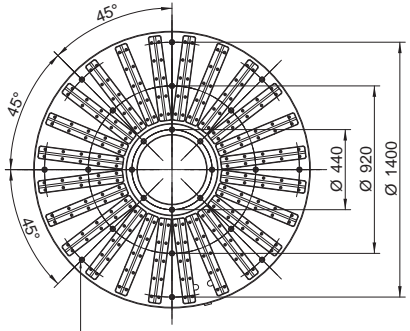
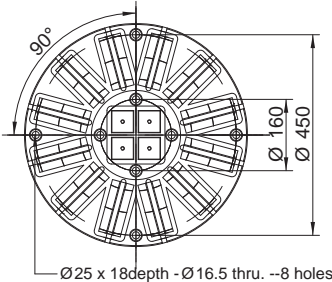
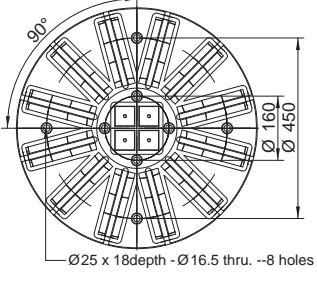
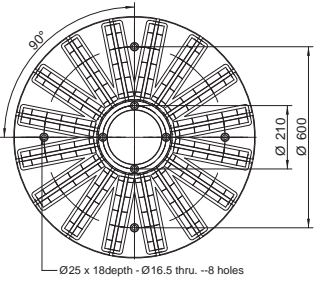
Patent No:M358689

Unit:mm

MODEL NO.	DIMENSION			NO.OF POLE	T-SLOT	MAGNETIC FORCE		N.W.	VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)	VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)
	OD	ID	HEIGHT			MIN.	MAX.							
EEPM-CIR500	φ500	0	70	12/4		1340 kgf	6600 kgf	104 kg	AC 220V	33A	C1	AC 380V AC 440V	15A	C1
EEPM-CIR600	φ600	0	70	12/4		1920 kgf	9600 kgf	148 kg		27A	C2		15A	C2
EEPM-CIR800	φ800	φ250	85	16		3060 kgf	15200 kgf	302 kg		30A	C2		28A	C2
EEPM-CIR1000	φ1000	φ250	85	16		4600 kgf	23000 kgf	471 kg		24A	C4		20A	C4
EEPM-CIR1250	φ1260	φ500	110	24		5760 kgf	28800 kgf	828 kg		33A	C4		18A	C4
EEPM-CIR1500	φ1520	φ500	120	24		8060 kgf	40200 kgf	1325 kg		24A	C8		25A	C8
EEPM-CIR1600	φ1630	φ500	120	24		9200 kgf	46000 kgf	1507 kg		24A	C8		20A	C8
EEPM-CIR1800	φ1820	φ800	120	36		12100 kgf	60400 kgf	2290 kg		33A	C8		28A	C8
EEPM-CIR2000	φ2050	φ1000	130	36		12100 kgf	60400 kgf	2490 kg		33A	C8		28A	C8
EEPM-CIR2600														
EEPM-CIR3000														

Custom-made is available.

Dimension of screw holes for seting up

 <p>Ø 25 x 18depth - Ø 16.5 thru. --24 holes</p> <p>EEPM-CIR1600</p>	 <p>Ø 25 x 18depth - Ø 16.5 thru. --18 holes</p> <p>EEPM-CIR1800</p>	 <p>Ø 25 x 18depth - Ø 16.5 thru. --24 holes</p> <p>EEPM-CIR2000</p>
 <p>Ø 25 x 18depth - Ø 16.5 thru. --12 holes</p> <p>EEPM-CIR1000</p>	 <p>Ø 25 x 18depth - Ø 16.5 thru. --12 holes</p> <p>EEPM-CIR1250</p>	 <p>Ø 25 x 18depth - Ø 16.5 thru. --12 holes</p> <p>EEPM-CIR1500</p>
 <p>Ø 25 x 18depth - Ø 16.5 thru. --8 holes</p> <p>EEPM-CIR500</p>	 <p>Ø 25 x 18depth - Ø 16.5 thru. --8 holes</p> <p>EEPM-CIR600</p>	 <p>Ø 25 x 18depth - Ø 16.5 thru. --8 holes</p> <p>EEPM-CIR800</p>

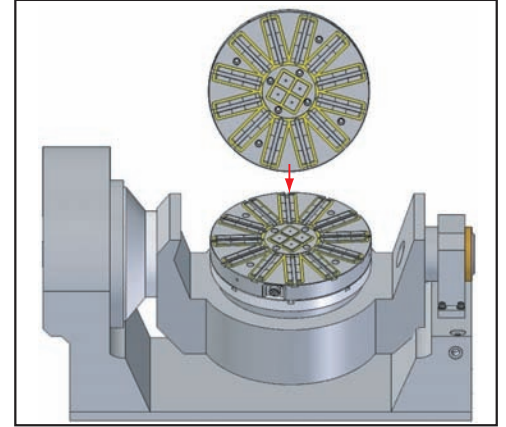
Panted Patent No:M358689

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 1340Kgf (1.34tons) $\pm 5\%$ and maximum of 60,400Kgf (60 tons) $\pm 5\%$, it depends on size of workpiece and magnetic chuck. (Please refer to the spec. list)
3. 1 ~ 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.
5. Design of Electric-Permanent, never gets temperature to effect the accuracy of workpieces.

Applications:

1. Suitable in use for combine with Vertical Lathe, CNC 5 Axis Index Device, CNC 5 Axis Machining Center ...etc.
2. Minimum thickness of workpiece required : 10 mm.
3. Minimum dimension of workpiece required as:
 EEPM-CIR500- ϕ 300mm ; EEPM-CIR600- ϕ 360mm °
 EEPM-CIR800- ϕ 500mm ; EEPM-CIR1000- ϕ 500mm °
 EEPM-CIR1250- ϕ 850mm ; EEPM-CIR1500- ϕ 850mm °
 EEPM-CIR1600- ϕ 1200mm ; EEPM-CIR1800- ϕ 1200mm °
 or same dimensions of any other forms of workpiece.
4. More functions for cooperate with induction plate, can do positioning on workholding.



Option Accessories

- Induction Block**
1. Induction Block **EEPM-CIRIB** series are use for **EEPM-CIR** chucks, can do many more functions on workholding.
 2. **Covenience 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.



EEPM-SPF



EEPM-CIRIB120



EEPM-CIRIB170



EEPM-CIRIB220



EEPM-CIRIB245



EEPM-CIRIB345



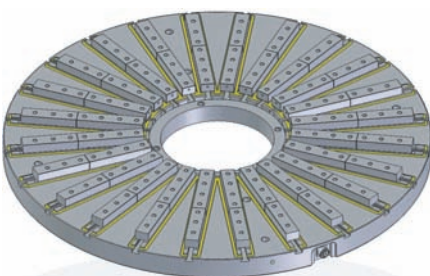
EEPM-CIRIB270

Unit:mm

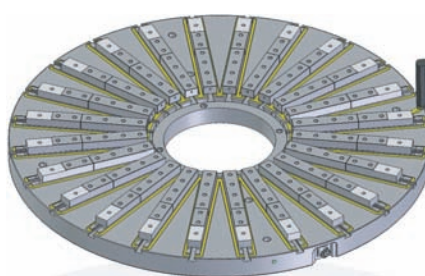
INDUCTION BLOCK	L	W	H	SUITABLE
EEPM-SPF	50	50	32.5	All
EEPM-CIRIB120	120		20	EEPM-CIR500
EEPM-CIRIB170	170			EEPM-CIR600
EEPM-CIRIB245	245			EEPM-CIR800
EEPM-CIRIB335	335			EEPM-CIR1000
EEPM-CIRIB220	220			EEPM-CIR500
EEPM-CIRIB270	270			EEPM-CIR600

Working Example: ID positioning and OD machining by Induction Block.

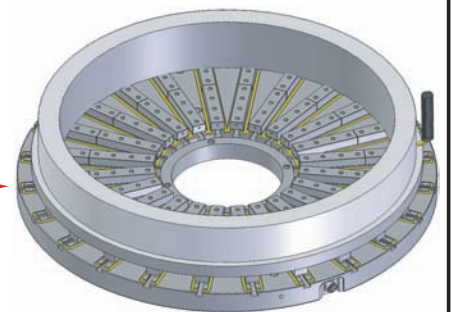
Set up Induction Block



Precise machining on Induction Block for ID positioning.

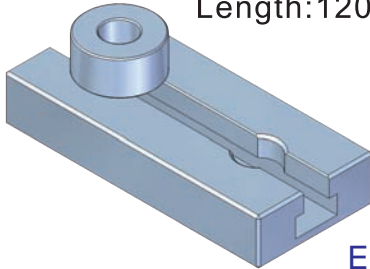


OD machining



T Fixed Slide Block

Height:20mm
Length:120mm



EEPM-20T

1. T Fixed Slide Block can do base points for workpiece positioning.
2. Due to the holding surface of small workpiece is not big enough, so please always use the T fixed slide Block to avoid the workpiece moving when machining.

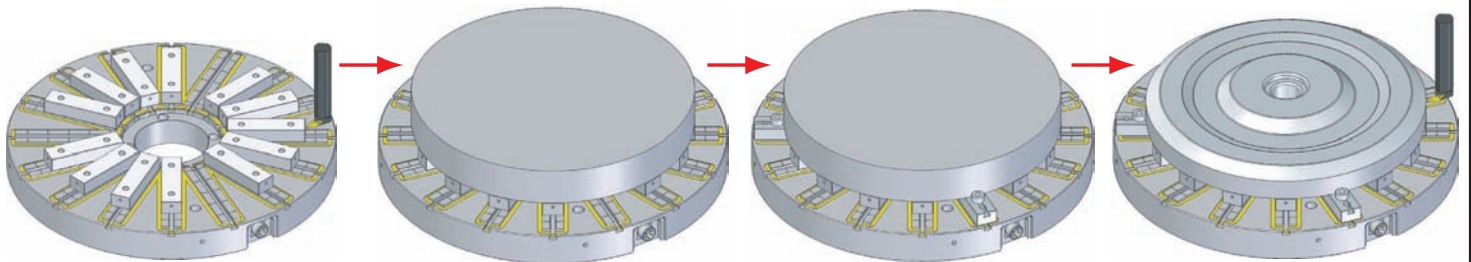
Working Example: Vertical Lathe machining by Induction Block with T Fixed Slide Block

Set up and precise machining Induction Blocks

Set up workpiece

Fix 3 pcs of T Fixed Slide Block

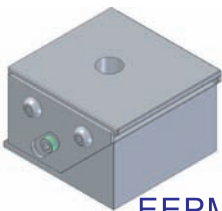
Workpiece machining by Vertical Lathe



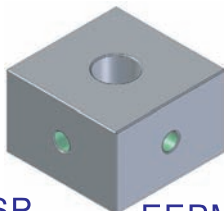
Spring Block 、 Fixed Block

Spring Block

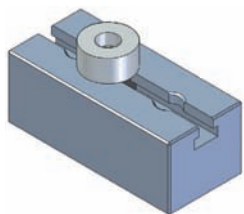
Fixed Block



EEPM-SP



EEPM-SPF



EEPM-30T

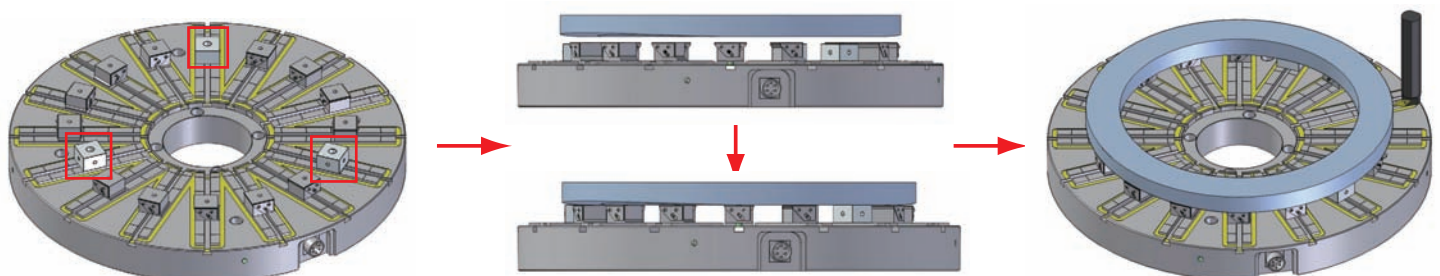
1. Suitable for clamping on iron cast, flexuous and thin workpieces, it will not be out of shape of the workpiece after machining.
2. 3 pcs of Fixed Blocks is necessary for workpiece clamping, it could be makes a basic surface for the workpiece touch to the Spring Blocks.
3. Elastic range of Spring Block:each 2.5 mm for up and down.

Working Example: Vertical Lathe machining by Spring Block with Fixed Block.

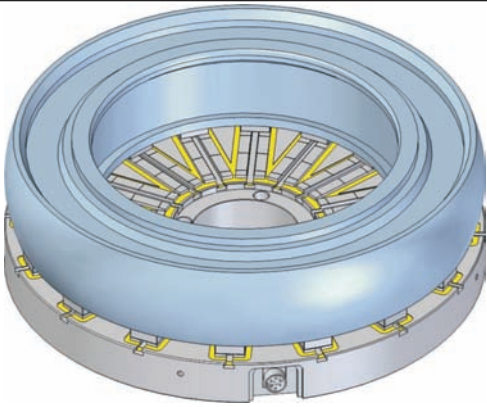
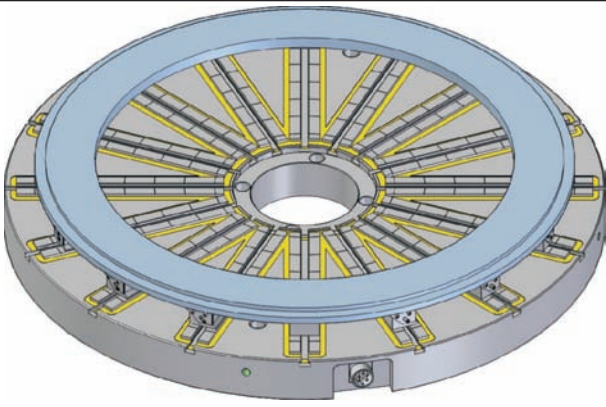
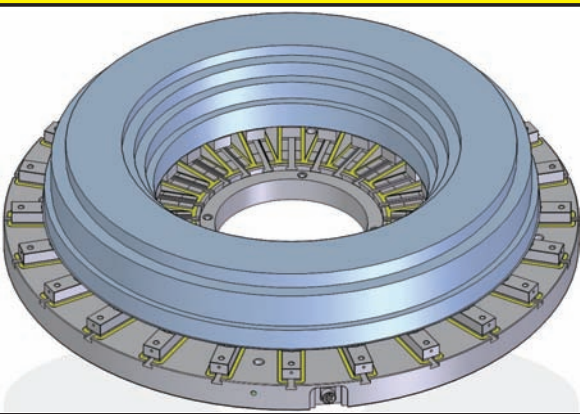
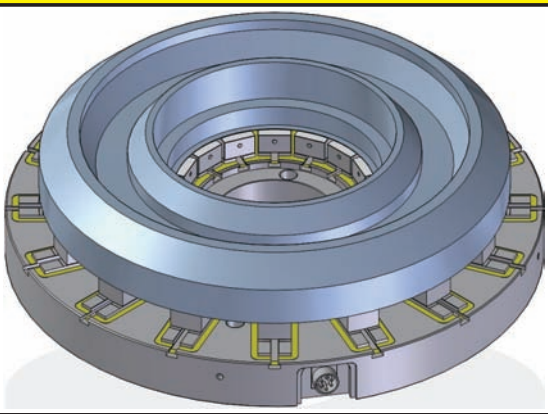
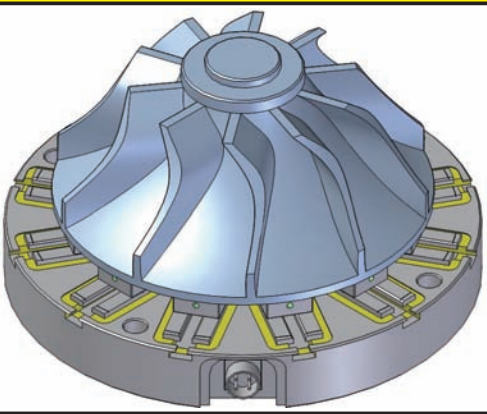
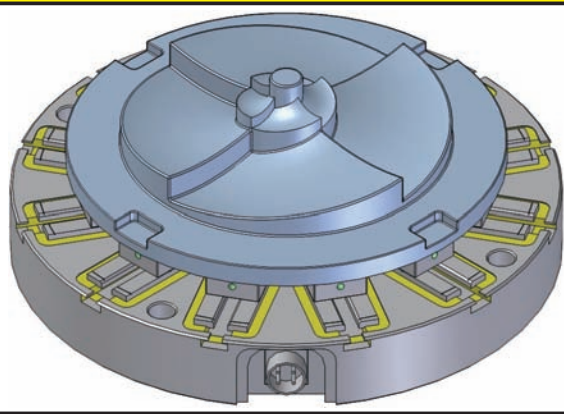
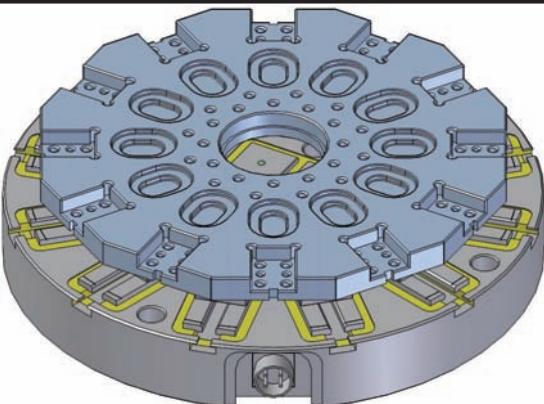
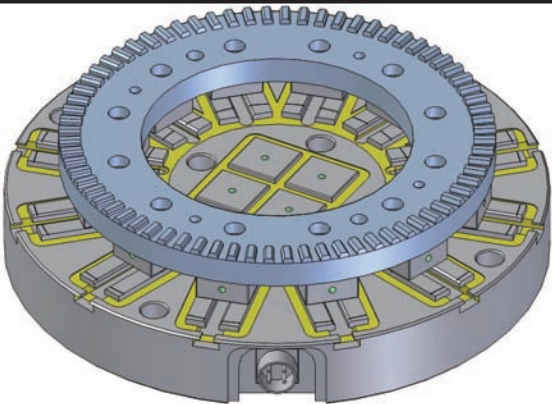
Set up Spring Block and 3 pcs of FixedBlock

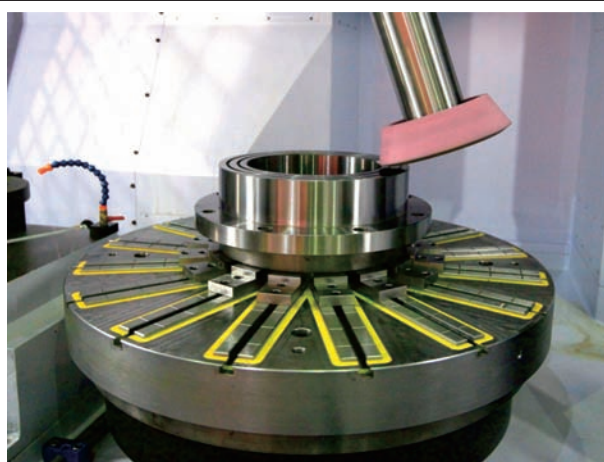
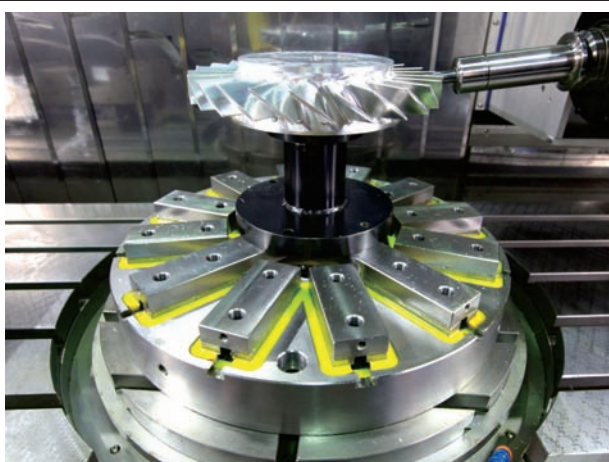
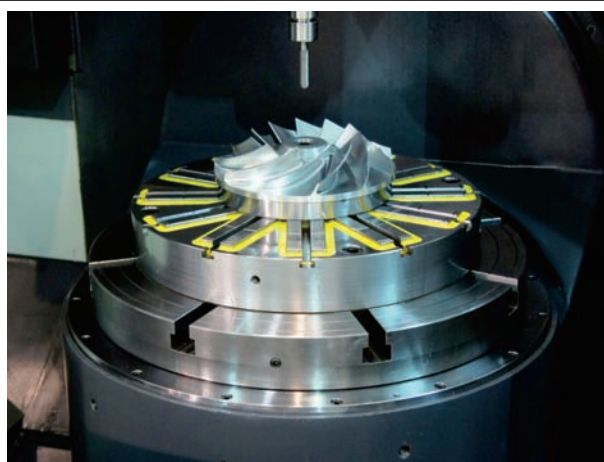
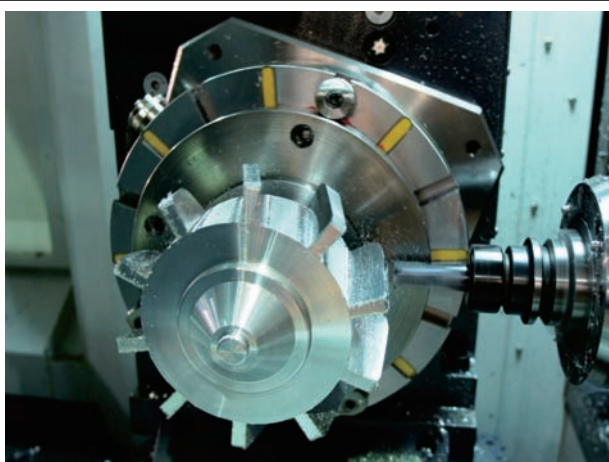
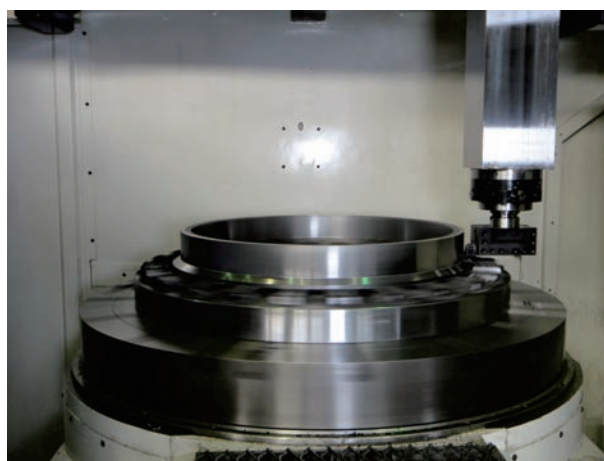
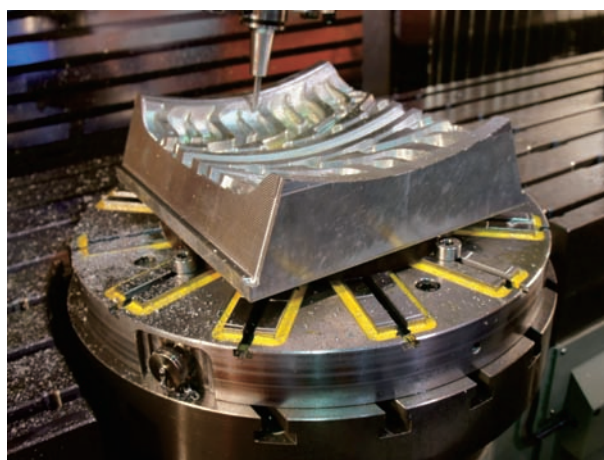
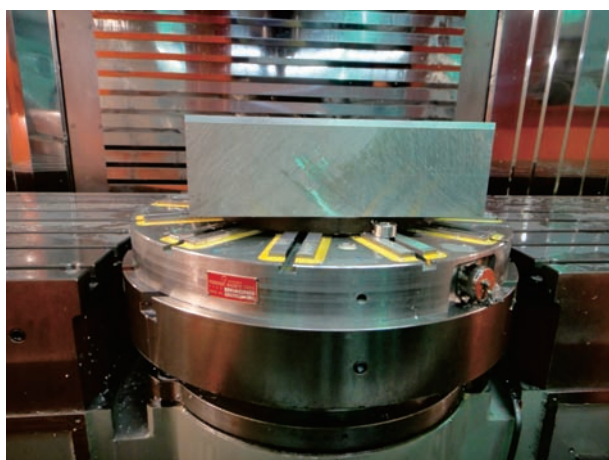
Set up workpiece

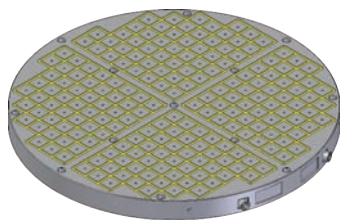
Workpiece machining by Vertical Lathe



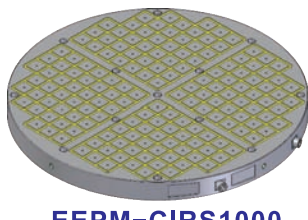
Working Example

<p>Round type workpiece for surface, ID and OD machining by Induction Block.</p>	<p>Irregular and thin workpiece for ID and OD machining by Spring Block.</p>
	
<p>Round type workpiece positioning by OD for ID machining by Induction Block.</p>	<p>Round type workpiece positioning by ID for OD machining by Induction Block.</p>
	
<p>Round type spiral workpiece for complex machining by Induction Block.</p>	<p>Round type spiral workpiece for complex machining by Induction Block.</p>
	
<p>Multi-angle workpiece for 5 sides complex machining by Induction Block.</p>	<p>Round type gear workpiece for 5 sides complex machining by Induction Block.</p>
	

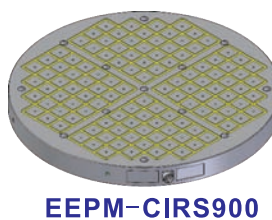




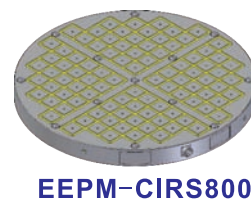
EEPM-CIRS1100



EEPM-CIRS1000



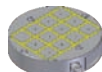
EEPM-CIRS900



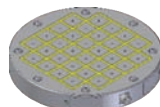
EEPM-CIRS800



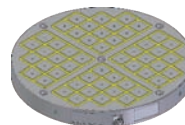
EEPM-CIRS200



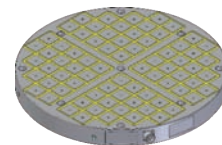
EEPM-CIRS300



EEPM-CIRS500

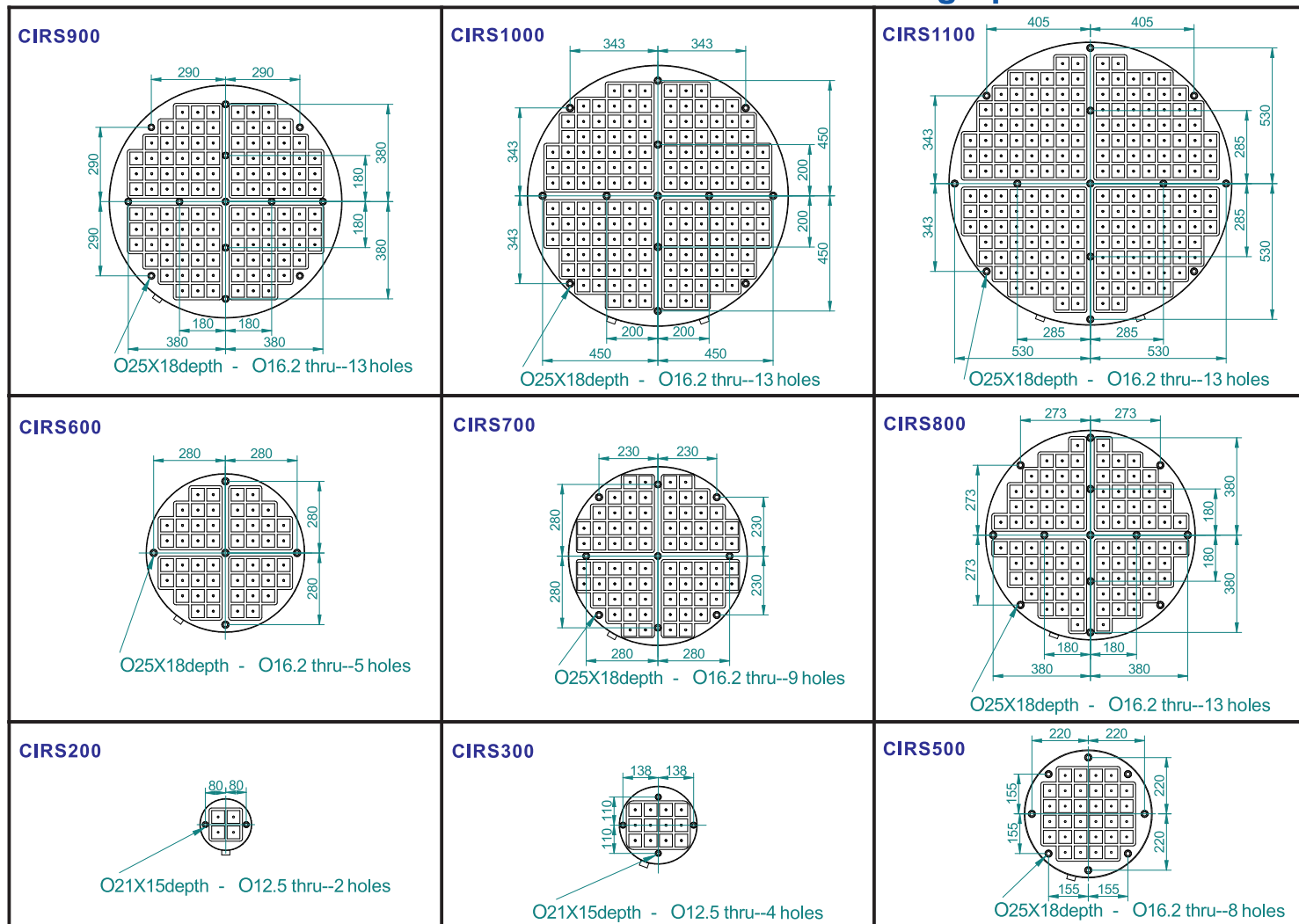


EEPM-CIRS600



EEPM-CIRS700

Dimension of screw holes for setting up



Unit:mm

MODEL NO.	DIMENSION		PITCH	POLE	NO.OF POLE	N.W.	VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)	VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)
	DIAMETER	HEIGHT										
EEPM-CIRS200	φ 203	70	10	50x50	4	16kg	AC 220V	16A	C1	AC 380V / AC 440V	—	—
EEPM-CIRS300	φ 305	70			12	35kg		18A	C1		6A	C1
EEPM-CIRS500	φ 500	70			32	97kg		31A	C1		15A	C1
EEPM-CIRS600	φ 620	70			52	150kg		25A	C2		15A	C2
EEPM-CIRS700	φ 700	70			76	191kg		16A	C4		14A	C4
EEPM-CIRS800	φ 820	70			96	262kg		25A	C4		15A	C4
EEPM-CIRS900	φ 910	80			120	362kg		30A	C4		15A	C4
EEPM-CIRS1000	φ 1020	80			164	464kg		25A	C8		15A	C8
EEPM-CIRS1100	φ 1106	80			204	546kg		24A	C8		20A	C8

Features:

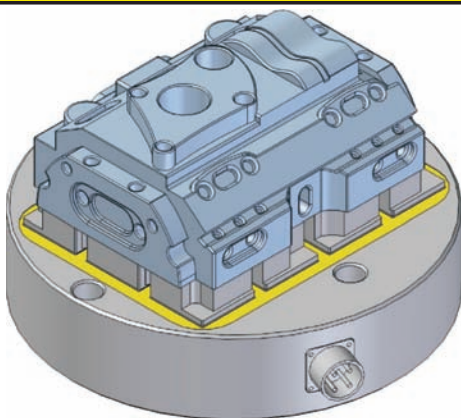
1. Super power magnetic force 1250 kgf/100cm² ±5%. (4 poles)
2. 3~15 seconds control for power ON & OFF. No electric power supply required to keep the magnetic chuck ON, cable can be taken off for turning freely while machining or grinding.
3. Can do 5 side machining, un-obstructed movement of cutters during machining. One cycle to finish a workpiece, helps in achieving best machining accuracy and increases efficiency a lot.

Applications:

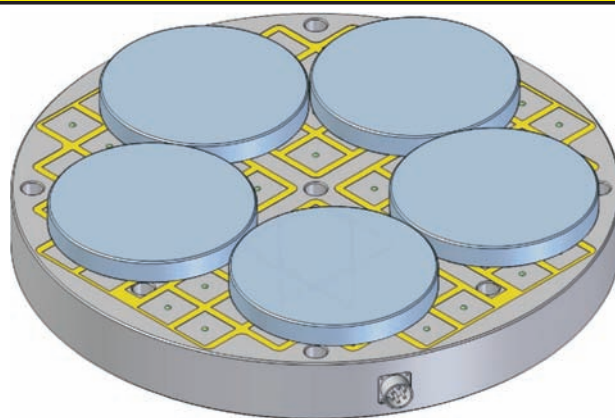
1. Suitable in use for combine with Rotary type Surface Grinding machine, CNC 5 Axis Machining Center...etc.
2. Minimum thickness of workpiece required : 10 mm
3. Minimum size of workpiece required as 4 alternate magnetic square poles and above contacts is necessary for optimum clamping.
4. More functions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

Working Example

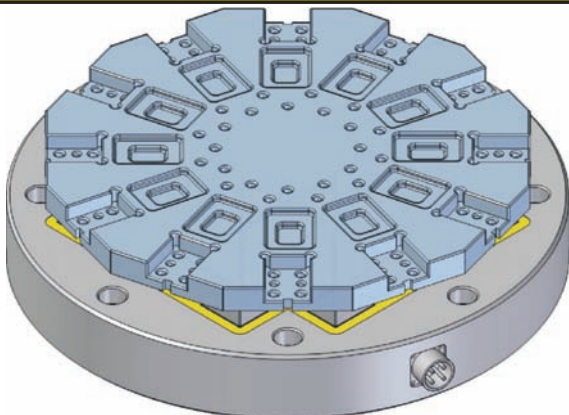
Multi-form workpiece for 5 side machining by induction block.



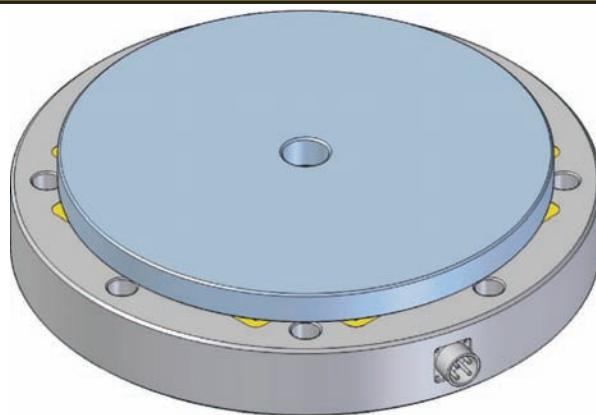
Multi-round type workpiece for precision grinding.



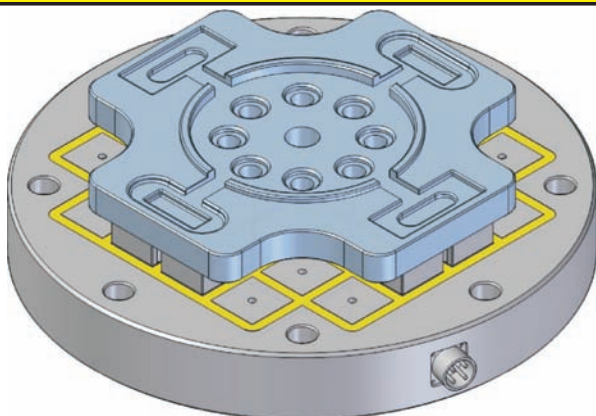
Multi-angle workpiece for 5 side machining by induction block.



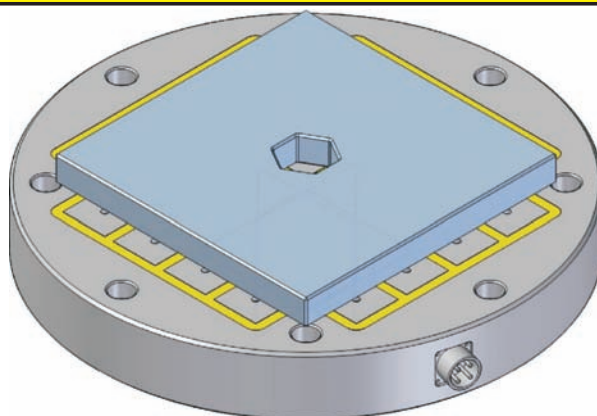
Round type workpiece for precision grinding.



Irregular form workpiece for 5 side machining by induction block.

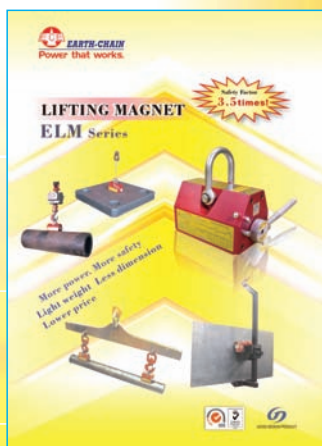
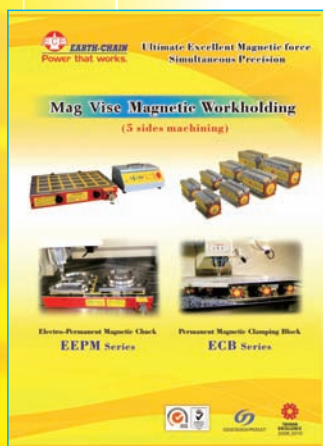


Square workpiece for precision grinding.





OUR OTHER PRODUCTS SYSTEM



www.earth-chain.com

EARTH-CHAIN ENTERPRISE CO.,LTD.

No. 551, Sec. 1, Gangbu Rd., Wu-Chi Dist., Taichung City, Taiwan(43546)

Tel:+886-4-26303737 Fax:+886-4-26303636 E-mail:ece@earth-chain.com.tw