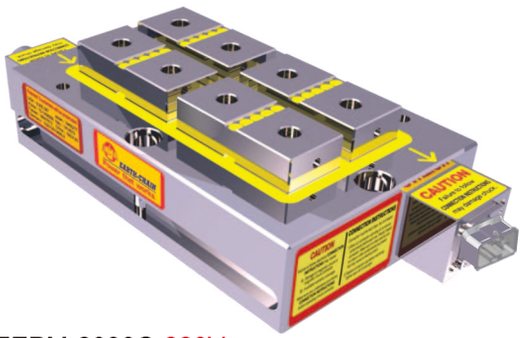
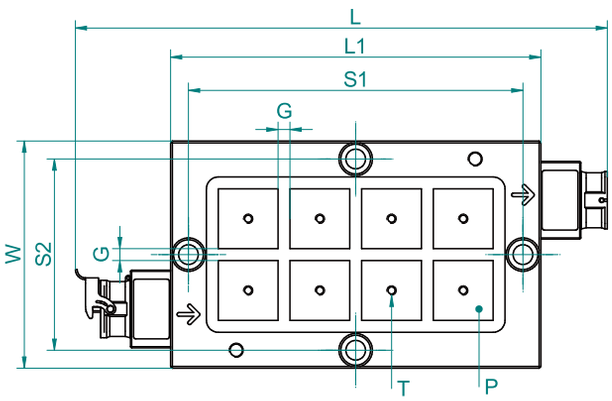
Electro-Permanent Magnetic Chuck-Connection Type

EEPM-C Series

Suitable to be used with large Vertical Lathe, Double Column Machining Center and CNC Machining Center …etc.

Patent Protected violators will be prosecuted: Patented Taiwan M419639, Taiwan M419639, Taiwan M447812, China 2238015, China 1653120, Japan 5465277, USA 8,905, 387, Korea 10-1458056, Italy 1414610

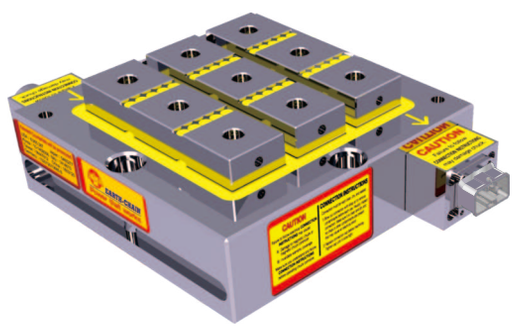


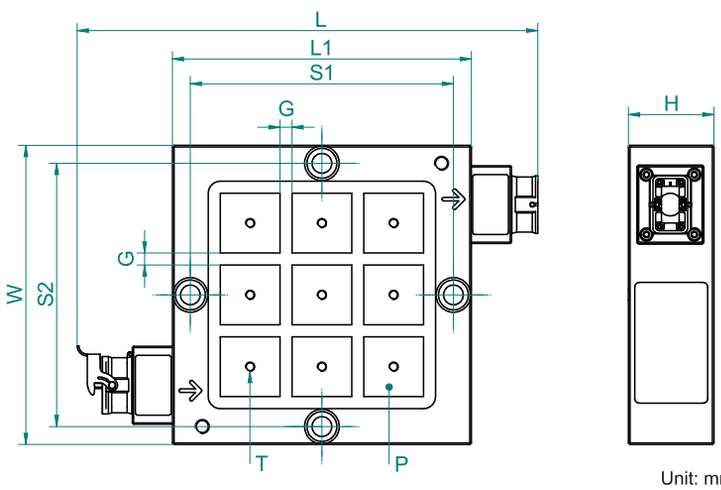


EEPM-2030C-220V

Unit: mm

MODEL NO	CHUCK VOLTAGE	CONTROLLER VOLTAGE	DIMENSION							PITCH G	POLE P	No. OF POLE	HOLDING POWER	CHUCK N.W.
			W	L	L1	S1	S2	H	T					
EEPM-2030C	DC 220V	AC 220V~480V	190	446	310	280	160	70	M8	10	50×50	8	2500±5% kgf	33.5kg

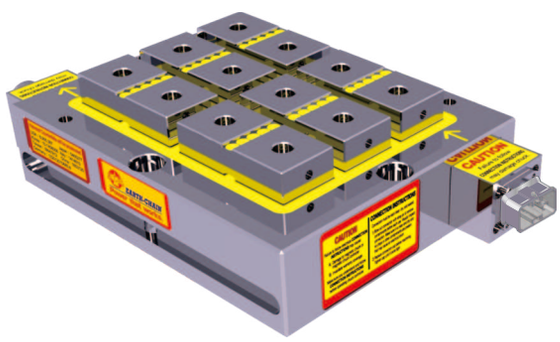


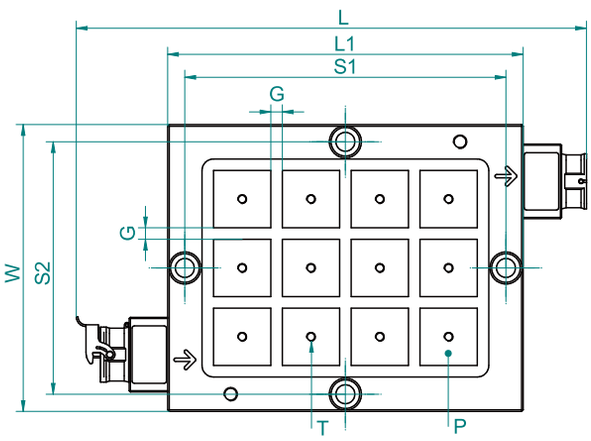


EEPM-2525C-220V

Unit: mm

MODEL NO	CHUCK VOLTAGE	CONTROLLER VOLTAGE	DIMENSION							PITCH G	POLE P	No. OF POLE	HOLDING POWER	CHUCK N.W.
			W	L	L1	S1	S2	H	T					
EEPM-2525C	DC 220V	AC 220V~480V	250	386	250	220	220	70	M8	10	50×50	9	2800±5% kgf	35.0kg





EEPM-2530C-380V~440V

Unit: mm

MODEL NO	CHUCK VOLTAGE	CONTROLLER VOLTAGE	DIMENSION							PITCH G	POLE P	No. OF POLE	HOLDING POWER	CHUCK N.W.
			W	L	L1	S1	S2	H	T					
EEPM-2530C	DC 380V	AC 380V~440V	250	446	310	280	220	70	M8	10	50×50	12	3750±5% kgf	44.0kg

Electro-Permanent Magnetic Chuck-Connection Type

EEPM-C Series

Suitable to be used with large Vertical Lathe, Double Column Machining Center and CNC Machining Center …etc.

Features:

1. Super power magnetic force 1250 kgf/100 cm^2(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.

How to choose:

According application requirement can choose EEPM-C Series as following steps:

1. Choose number of chucks according to Voltage and workpiece required.
2. Choose Chuck Controller.
3. Choose the Screw Size.
4. Choose the length of Chuck Connection Cables.
5. Choose the length of Power Cord.

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

Chuck Controller EEPM-C4C

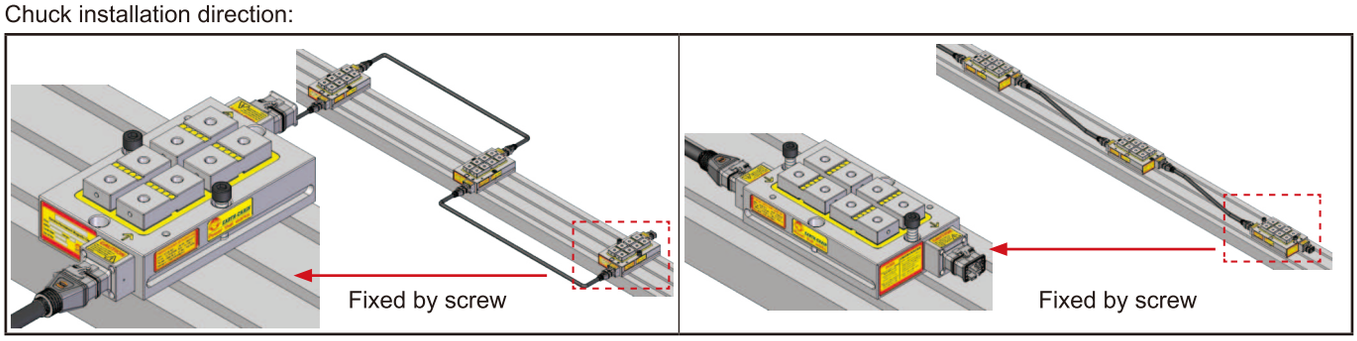
The controller EEPM-C4C can be control 1-16 chucks at the same time, and has the automatic detection whether the chuck cable is connection completed.

MODEL NO	VOLTAGE (Single Phase)	DIMENSION		
		L	W	H
EEPM-C4C	AC 380V~440V	370	220	125

Standard accessories Screw Size

T-Slot	A	B	C	D	F	Thread
18	$18^{+0}_{-0.3}$	20	11	28	32	5/8″-11
22	$20^{+0}_{-0.3}$	26	14	32	38	5/8″-11
28	$26^{+0}_{-0.3}$	26	16	41	40	5/8″-11

Chuck installation direction:



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Chuck Connection Cable

Standard Accessories - (Iron Fle ible Conduit)

Suitable for general machining.

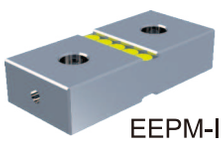
MODEL NO.	LENGTH
EEPM-CC10R	1000mm
EEPM-CC15R	1500mm

Optional Accessories - (Stainless Steel Fle ible Conduit)

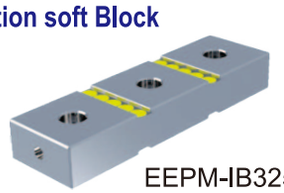
Suitable for long time heavy duty machining. With high toughness and high strength preventing iron chips cut off the wire.

MODEL NO.	LENGTH
EEPM-CC10BR	1000mm
EEPM-CC15BR	1500mm

Standard Accessories-Induction soft Block



EEPM-IB225



EEPM-IB325

Relative magnetic force and EEPM-IB percentage table

MODEL NO.	Holding Power (Kgf)
EEPM-IB225B	82 %
EEPM-IB325B	68 %

Option Accessories-Sping Block EEPM-SP Series

Fixed Block EEPM-SPF

Spring Block EEPM-SP

Features:

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.

Unit: mm

MODEL NO.	D	H
EEPM-SP	48	32.5
EEPM-SPF	50	30.35

Relative magnetic force to Fixed block and Spring block:

MODEL NO.	Holding Power (Kgf)
Spring Block	43 %

CONNECTION TABLE

MODEL NO	EEPM-2030C 220V			EEPM-2525C 220V			EEPM-2530C 380V~440V		
CHUCK NOS.	HOLDING POWER OF EACH CHUCK	TOTAL HOLDING POWER kgf ±5%	CURRENT AMP	HOLDING POWER OF EACH CHUCK	TOTAL HOLDING POWER kgf ±5%	CURRENT AMP	HOLDING POWER OF EACH CHUCK	TOTAL HOLDING POWER kgf ±5%	CURRENT AMP
3	2500±5%	7500	7A	2800±5%	8400	7A	3750±5%	11250	8A
4		10000	9A		11200	9A		15000	10A
5		12500	11A		14000	10A		18750	12A
6		15000	12A		16800	11A		22500	13A
7		17500	14A		19600	12A		26250	16A
8		20000	16A		22400	14A		30000	18A
9		22500	17A		25200	15A		33750	19A
10		25000	19A		28000	17A		37500	21A
11		27500	20A		30800	19A		41250	23A
12		30000	22A		33600	20A		45000	25A
13		32500	24A		36400	22A		48750	27A
14		35000	26A		39200	23A		52500	29A
15		37500	27A		42000	24A		56250	30A
16		40000	29A		44800	26A		60000	33A
If the workpiece dimension requests more than 16 chucks, please use two groups of chuck unit.									

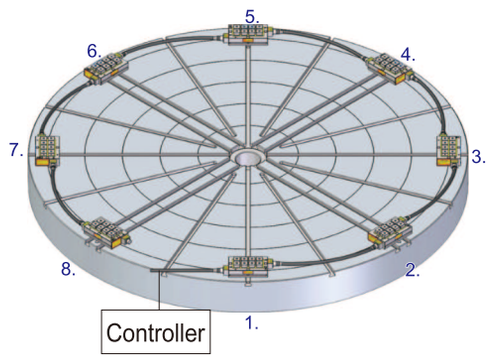
Notice:

1. EEPM-C Series each voltage has two specifications can be choose.
2. Maximum distance required:

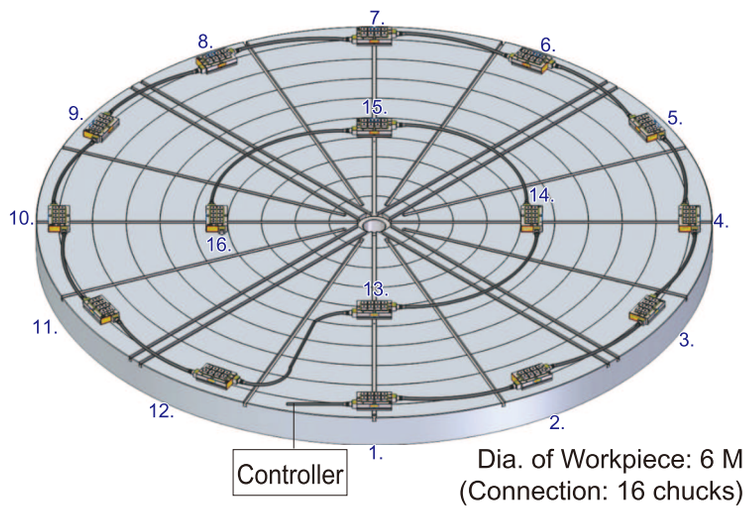
No. of EEPM-CS	3-4 Chucks	5-10 Chucks	11-16 Chucks
Max. Distance Between Chucks	800 mm	1000 mm	1500 mm

Suitable to be used with large Vertical Lathe, Double Column Machining Center and CNC Machining Center …etc.

Example of Vertical Lathe on Setting:

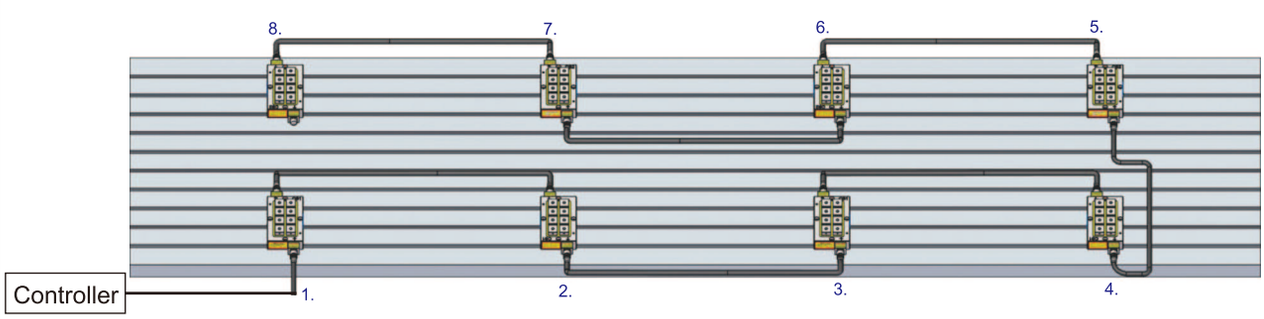


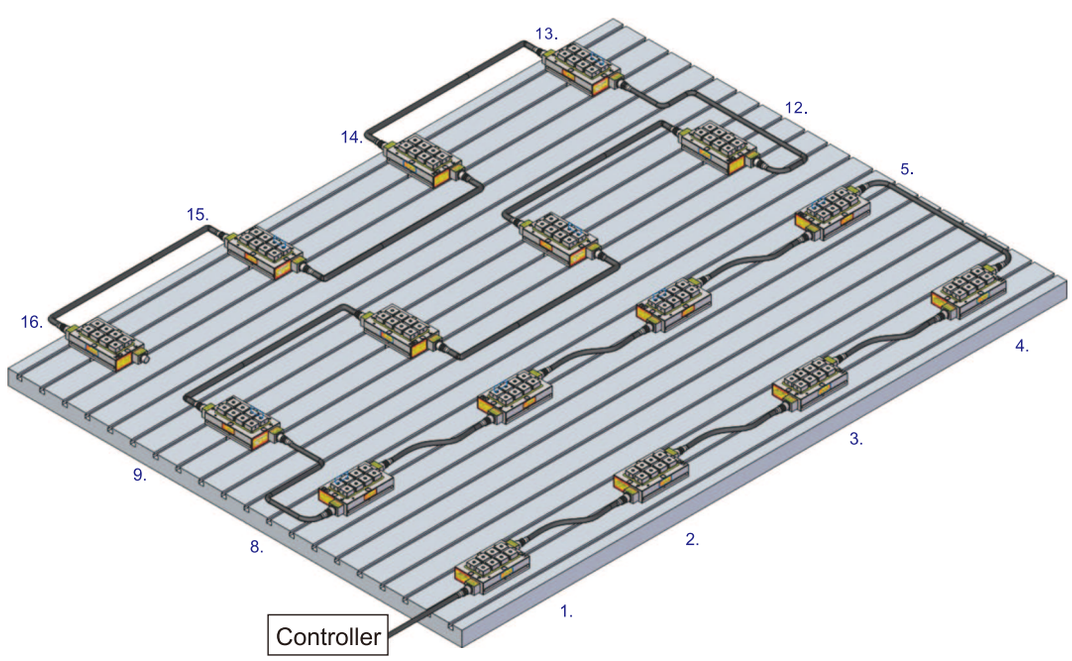
Dia. of Workpiece: 3.5 M
(Connection: 8 chucks)



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

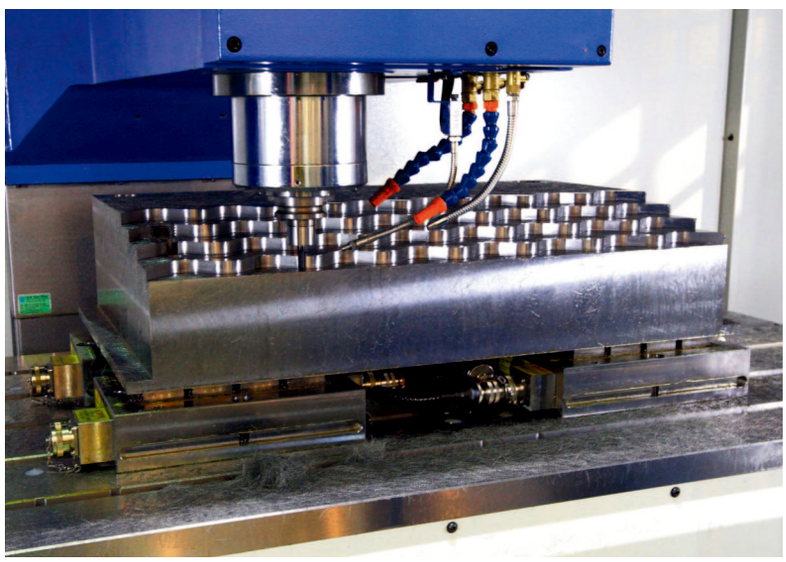
Example of Double Column Machining Center and CNC Machining Center on Setting

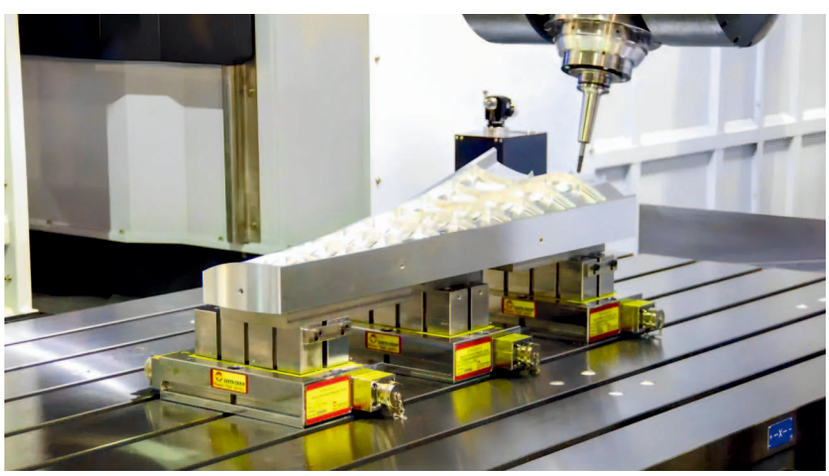


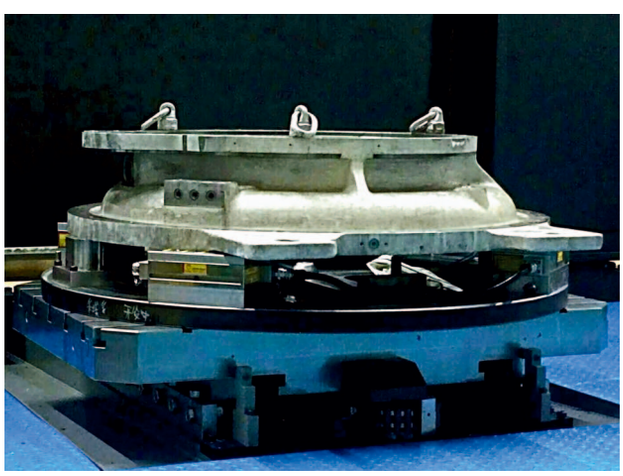


Suitable to be used with large Vertical Lathe, Double Column Machining Center and CNC Machining Center …etc.

Working Example







Suitable to be used with large Vertical Lathe, Double Column Machining Center and CNC Machining Center …etc.

Working Example