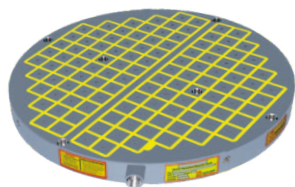


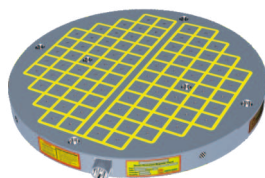
Electro-Permanent Magnetic Chuck

EEPM-CIRSA Series

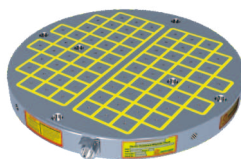
Suitable to be used with combine with Rotary type Surface Grinding Machine, CNC 5 Axis Machining Center ... etc.



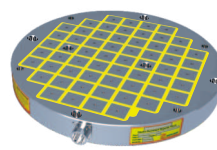
EEPM-CIRS600A



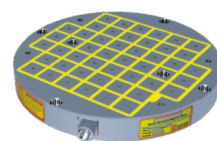
EEPM-CIRS550A



EEPM-CIRS500A



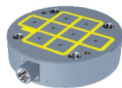
EEPM-CIRS450A



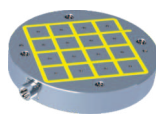
EEPM-CIRS400A



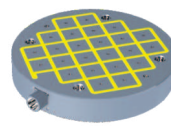
EEPM-CIRS150A



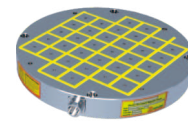
EEPM-CIRS200A



EEPM-CIRS250A

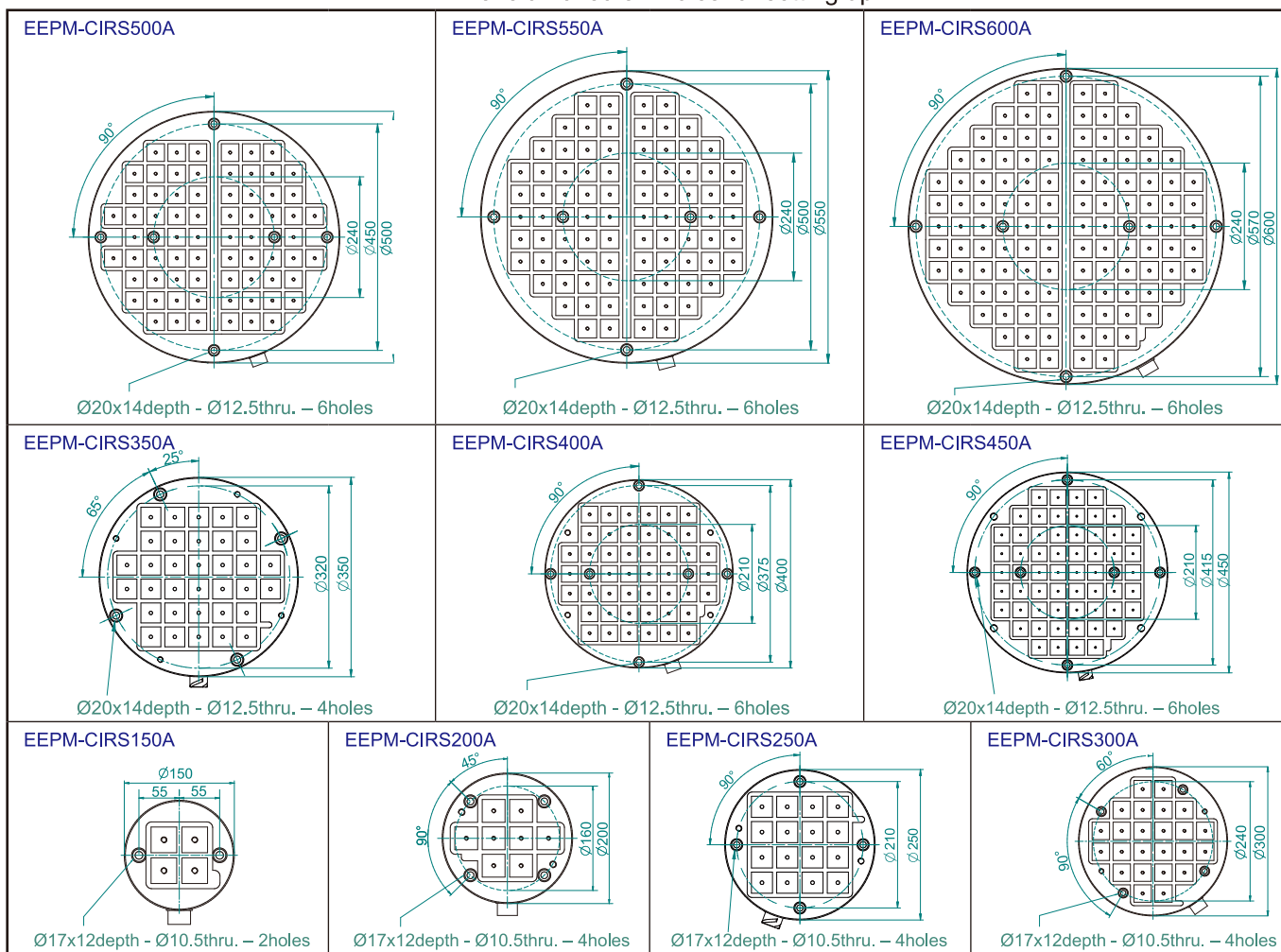


EEPM-CIRS300A



EEPM-CIRS350A

Dimension of screw holes for setting up



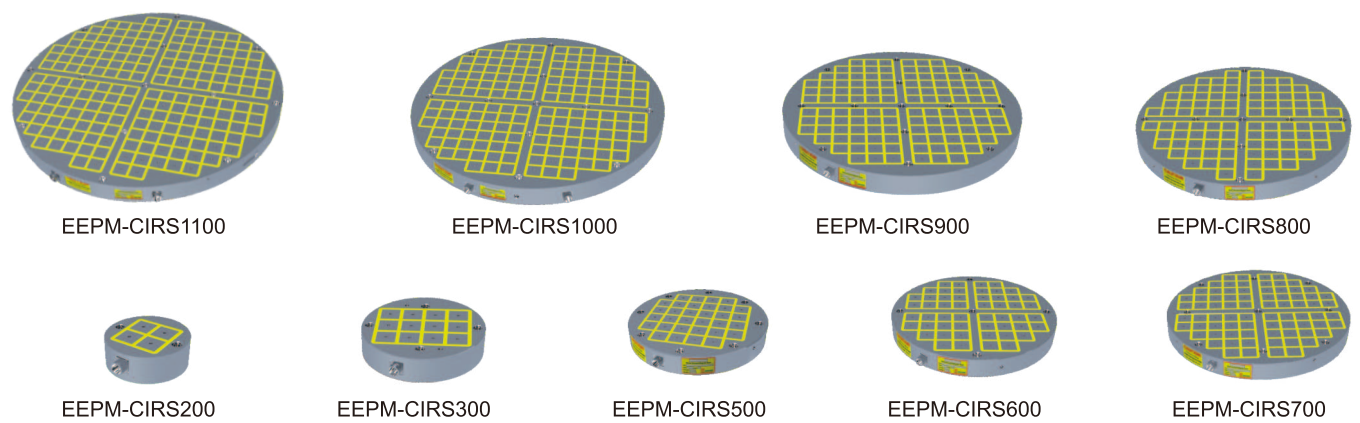
Unit:mm

MODEL NO	DIMENSION		PITCH	POLE	NO. OF POLE	CHUCK N.W.	VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)
	D	HEIGHT							
EEPM-CIRS150A	Ø 150	50	7	35×35	4	6kg	CHUCK DC 220V	20A	C1
EEPM-CIRS200A	Ø 200	50	7		8	11kg		10A	C1
EEPM-CIRS250A	Ø 250	50	7		16	17kg		25A	C1
EEPM-CIRS300A	Ø 300	60	7		24	34kg	CONTROLLER AC 220V 480V	10A	C1
EEPM-CIRS350A	Ø 350	60	7		34	46kg		26A	C1
EEPM-CIRS400A	Ø 400	60	7		46	60kg		14A	C2
EEPM-CIRS450A	Ø 450	70	7		55	88kg		21A	C2
EEPM-CIRS500A	Ø 500	70	7		70	109kg		26A	C2
EEPM-CIRS550A	Ø 550	70	7		84	132kg		15A	C4
EEPM-CIRS600A	Ø 600	70	7		114	157kg		23A	C4

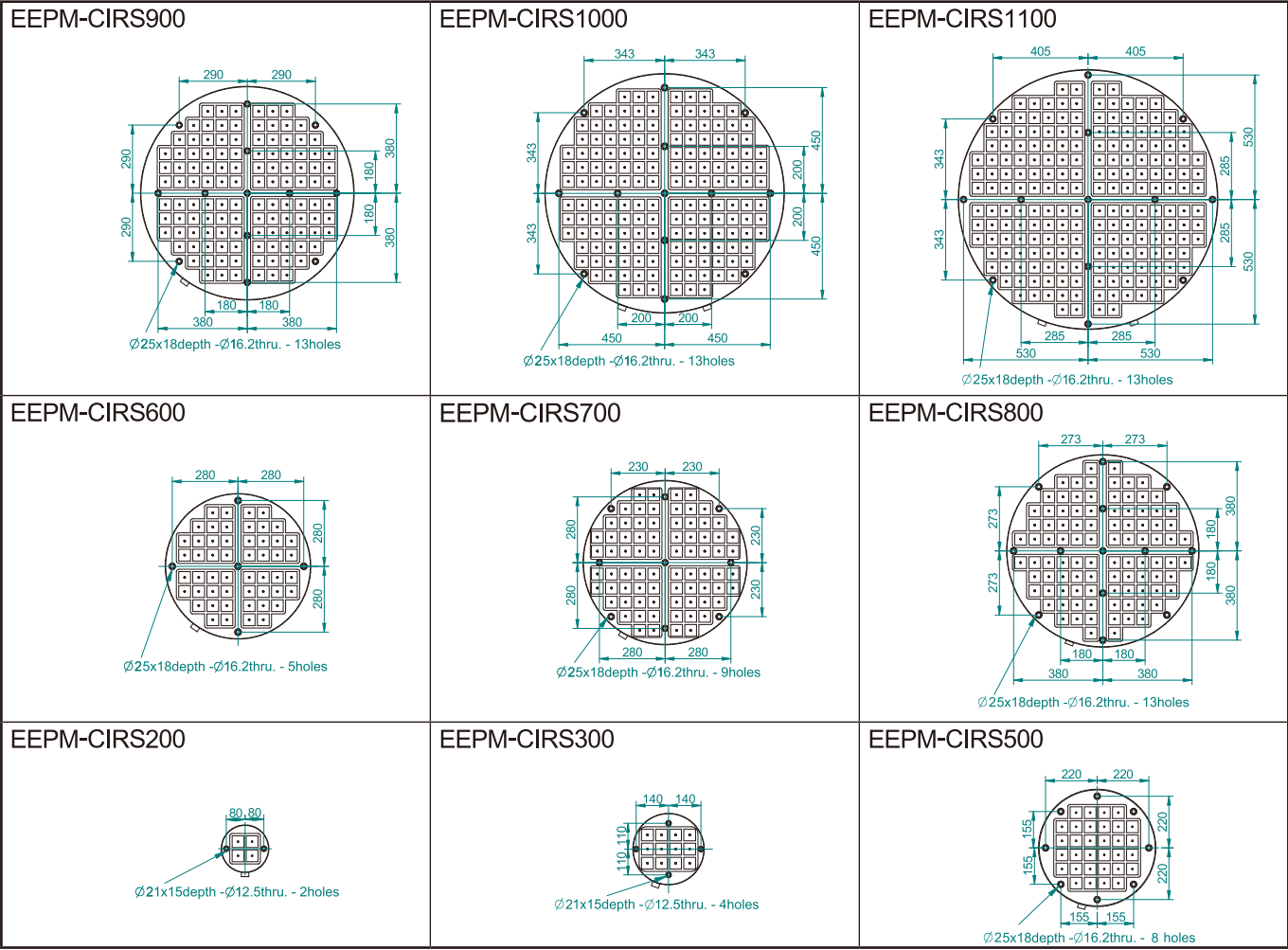
Electro-Permanent Magnetic Chuck

EEPM-CIRS Series

Suitable to be used with combine with Rotary type Surface Grinding Machine, CNC 5 Axis Machining Center ... etc.



Dimension of screw holes for setting up



MODEL NO	DIMENSION		PITCH	POLE	NO. OF POLE	CHUCK N.W.	VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)	VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)
	D	HEIGHT										
EEPM-CIRS200	Ø 203	60	10	50×50	4	16kg	CHUCK DC 220V CONTROLLER AC 220V 480V	15A	C1	CHUCK DC 380V CONTROLLER AC 380V 480V	--	--
EEPM-CIRS300	Ø 320	60	10		12	35kg		20A	C1		5A	C1H
EEPM-CIRS500	Ø 500	70	10		32	108kg		30A	C1		15A	C1H
EEPM-CIRS600	Ø 620	70	10		52	169kg		21A	C2		22A	C2H
EEPM-CIRS700	Ø 720	70	10		76	225kg		21A	C4		10A	C4H
EEPM-CIRS800	Ø 820	80	10		96	334kg		23A	C4		9A	C4H
EEPM-CIRS900	Ø 900	80	10		120	402kg		33A	C4		18A	C4H
EEPM-CIRS1000	Ø1020	90	10		164	581kg		29A	C8		27A	C8H
EEPM-CIRS1100	Ø1106	90	10		204	683kg		28A	C8		11A	C8H

Unit:mm

Suitable to be used with combine with Rotary type Surface Grinding Machine, CNC 5 Axis Machining Center ... etc.

Features:

- 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.
- Un-obstructed movement of cutters during machining, the really functions of 5 side machining on workholding.

Applications:

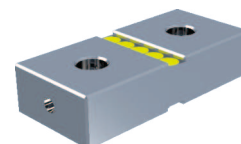
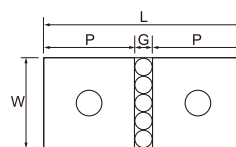
- EEPM-CIRSA: Suitable for thin & small workpiece.(Pole Size 35X35 mm, Magnetic Force 580 kgf/4 Poles).
- EEPM-CIRS: Suitable for thin & medium workpiece.(Pole Size 50X50 mm, Magnetic Force 1250 kgf/4 Poles).
- Minimum size of workpiece required as 4 alternate magnetic square poles and above contacts is necessary for optimum clamping.
- More functions for cooperate with Induction Block and Spring Block.
(See the detail of Option Accessories)

Option Accessories-Induction Block EEPM-IB Series

EEPM-IBA Suitable for use on EEPM-CIRSA Series Chucks.

Unit:mm

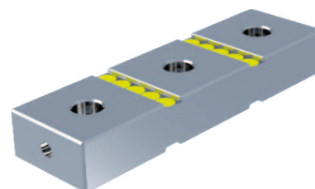
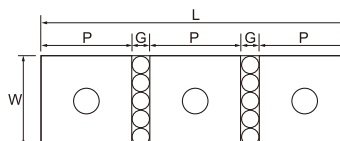
MODEL NO.	NO. OF POLE	W	L	HEIGHT	P	G
EEPM-IB215A	2	35	77	15	35	7
EEPM-IB315A	3	35	119	15	35	7



EEPM-IBB Suitable for use on EEPM-CIRS Series Chucks.

Unit:mm

MODEL NO.	NO. OF POLE	W	L	HEIGHT	P	G
EEPM-IB225B	2	50	110	25	50	10
EEPM-IB325B	3	50	170	25	50	10



Relative magnetic force and EEPM-IB percentage table

MODEL NO.	Holding Power (Kgf)	MODEL NO.	Holding Power (Kgf)
EEPM-IB215A	80 %	EEPM-IB225B	82 %
EEPM-IB315A	64 %	EEPM-IB325B	68 %

Example:

EEPM chuck	Induction Block	Total Holding Power
EEPM-CIRS500	None	10,000±5% kgf
EEPM-CIRS500	IB225B x 32pcs	8200±5% kgf (10,000x82%)

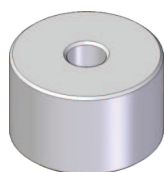
Spring Block EEPM-SPR Series

Patent Protected violators will be prosecuted: Patented Taiwan M605141

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

Features:

- Suitable for clamping on iron cast, irregular form and flexuous workpieces, it will not be out of shape of the workpiece after machining.
- 3 Fixed Blocks is necessary for each workpiece clamping, it could be makes a basic surface for the workpiece touch to the Spring Blocks.



Fixed Block
EEPM-SPF Series



Spring Block
EEPM-SPR Series

Unit:mm

MODEL NO.	OD	H	SUITABLE
EEPM-SPR35	Ø37	21~25	EEPM-CIRSA Series
EEPM-SPRF35	Ø37	23	

Unit:mm

MODEL NO.	OD	H	SUITABLE
EEPM-SPR50	Ø52	30~35	EEPM-CIRS Series
EEPM-SPRF50	Ø52	32.5	

Relative magnetic force to
Fixed block and Spring block:

	Spring Block
Holding Power (Kgf)	43%

Electro-Permanent Magnetic Chuck

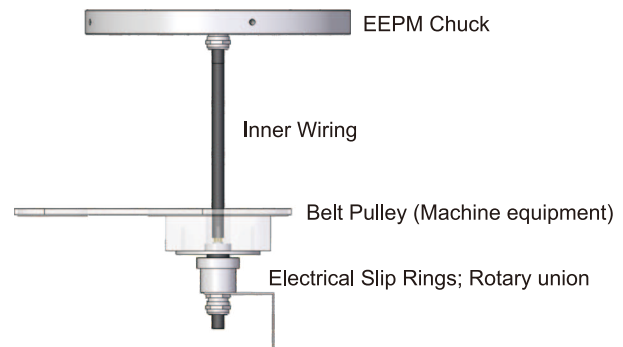
EEPM-CIRS Series

Suitable to be used with combine with Rotary type Surface Grinding Machine, CNC 5 Axis Machining Center ... etc.

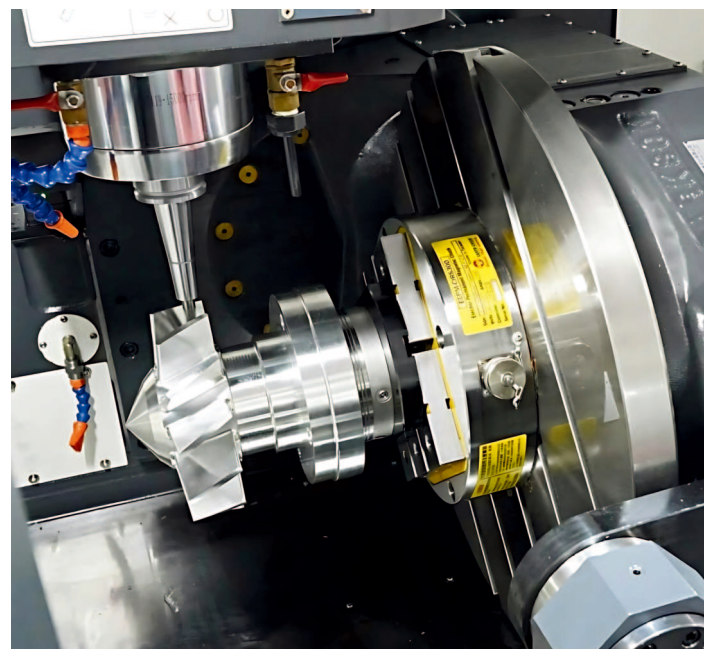
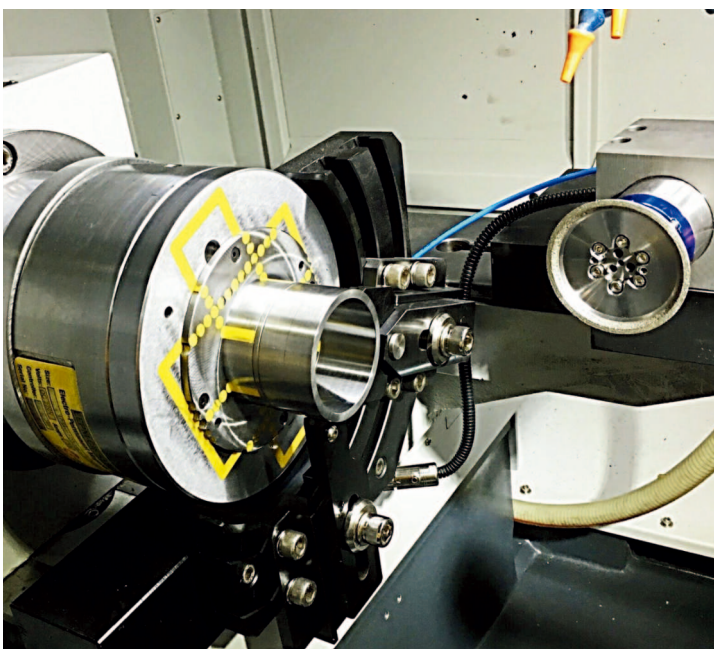
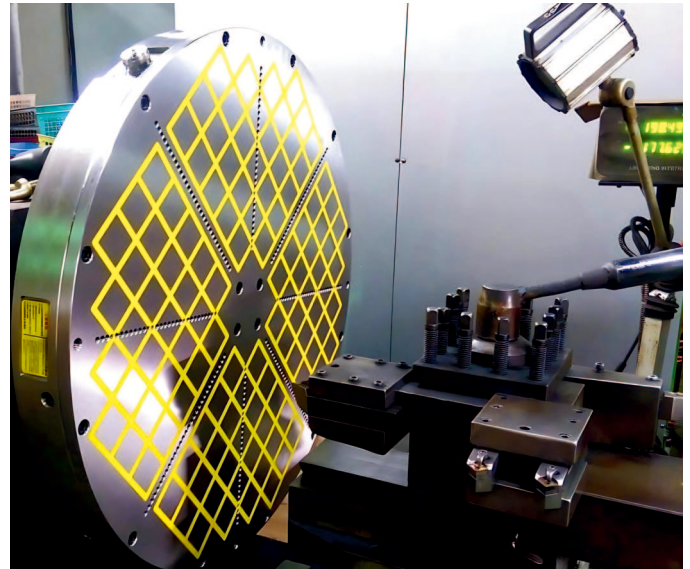
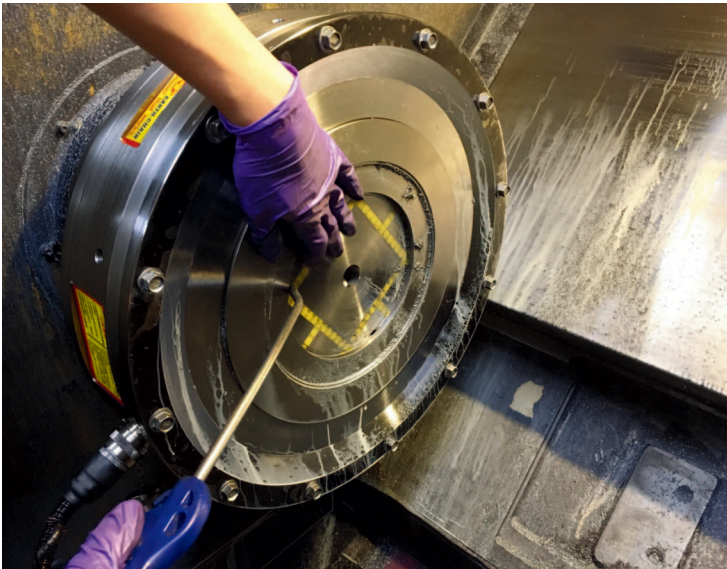
Electrical Slip Rings; Rotary union
(Need to buy by yourself)

Features:

For Magnetization/Demagnetization connection,
installed in the center of the rear of the EEPM
Chuck can be turning freely while machining.

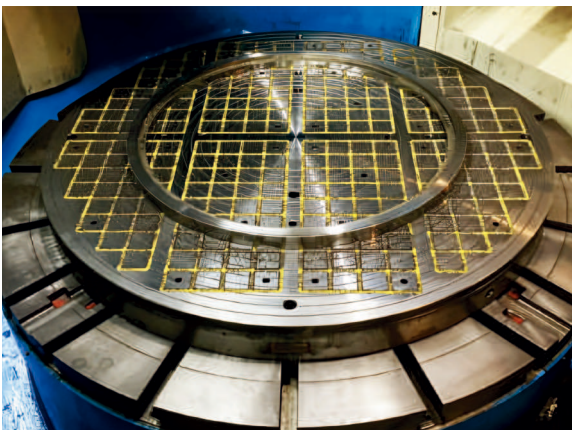
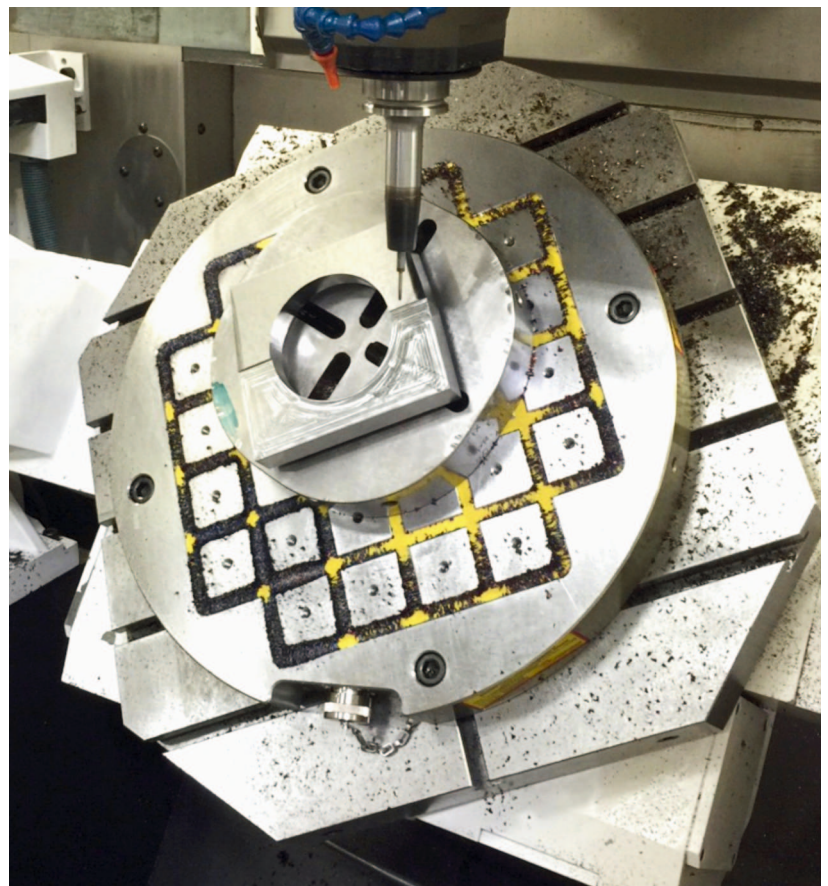
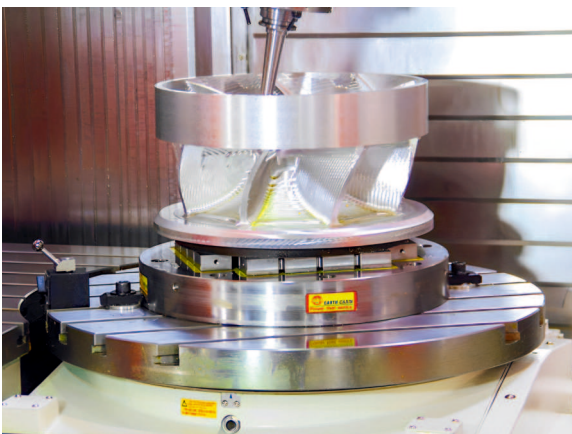
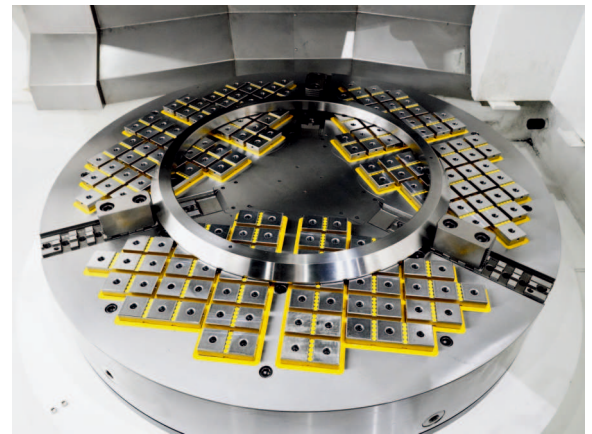
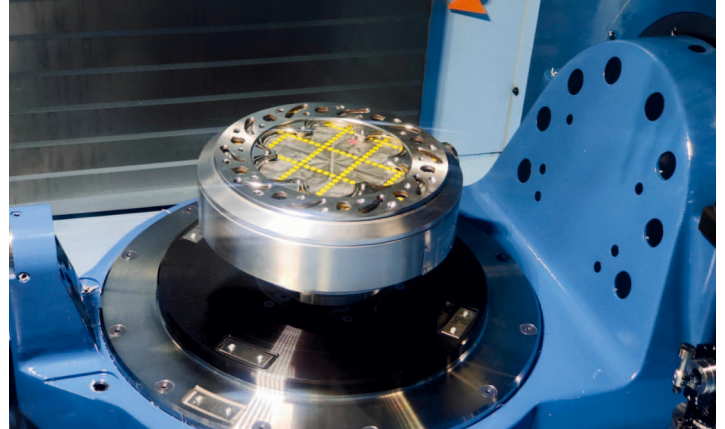
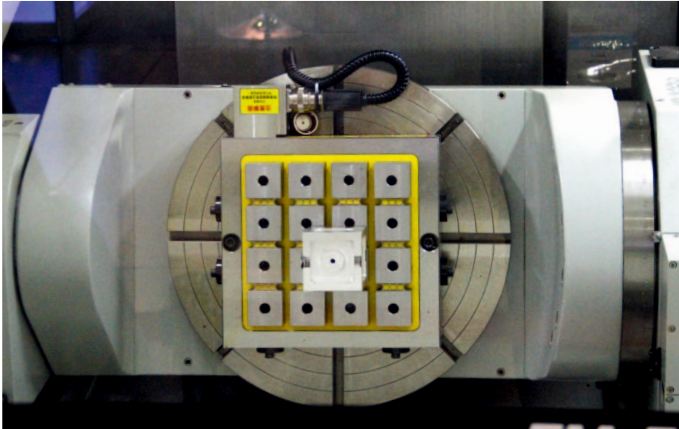


Working Example



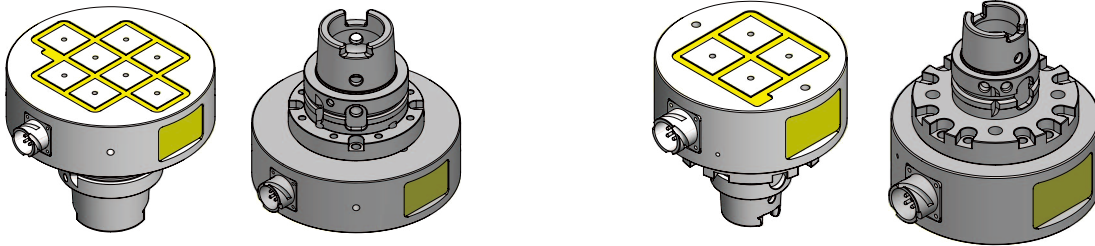
Suitable to be used with combine with Rotary type Surface Grinding Machine, CNC 5 Axis Machining Center ... etc.

Working Example



Tool Arbor Type Quick Changing Magnetic Chuck System **EEPM-CIRTA** Series (Custom-made)

Electro-Permanent Magnetic chuck with precision tool arbor, can be used for automatic multi-round magnetic chuck precisely positioning exchange, flexible fixture scheduling can effectively improve the utilization rate of a small amount of various production lines.



Features:

1. 1~2 seconds control for power ON & OFF. No electric power supply required to keep magnetic chuck ON and provides maximized safety in case of power failure. Never get temperatures to affect the accuracy of workpieces.
2. The tool arbor can be customized for different specification magnetic chucks.
3. Used with induction blocks, available for 5 sides machining and un-obstructed cutter movement during machining. Allow workpiece machining finished in one cycle, while still achieving best machining accuracy and highly increased working efficiency.
4. The processing is carried out inside the machine, and the loading and unloading actions can be completed synchronously on the outside, which greatly improves the machine's productivity.
5. High-precision and high-rigidity tool arbor and broach mechanism design to ensure clamping tightness and reduce repeated positioning tolerances.

