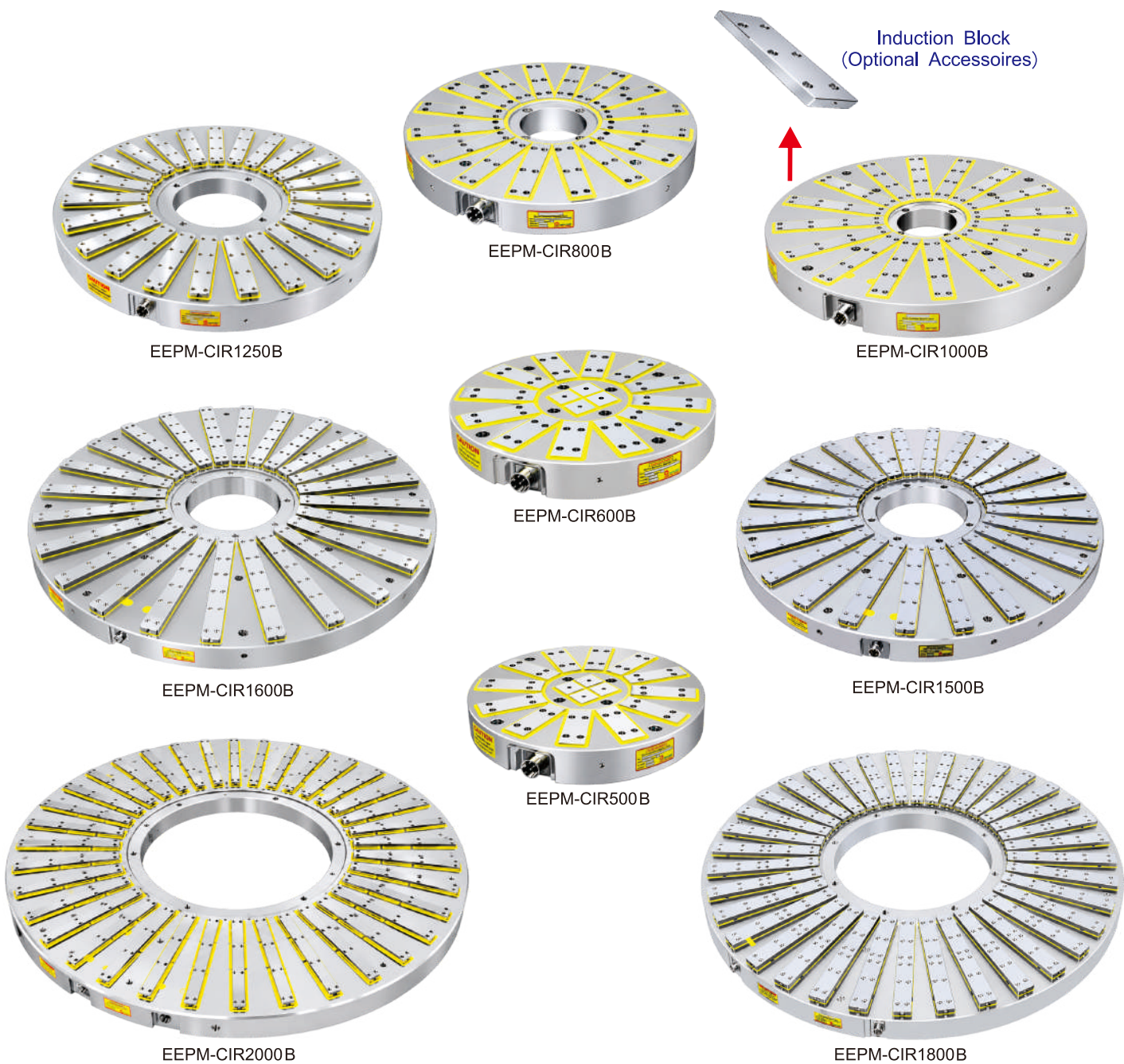


Electro-Permanent Magnetic Chuck

EEPM-CIRB Series

Suitable to be used with Vertical Lathe, CNC 5 Axis Machining Center ...etc.



Panted Patent No: Taiwan M358689, Taiwan I851012, China ZL 2023 2 0261487.3

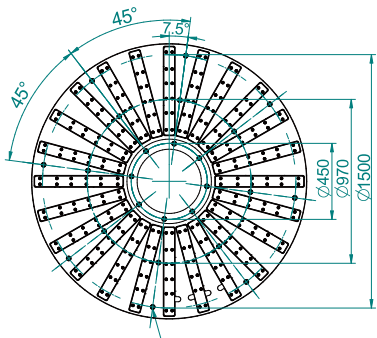
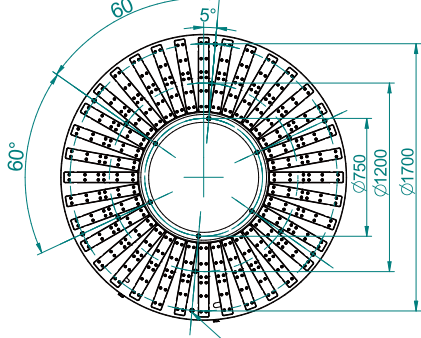
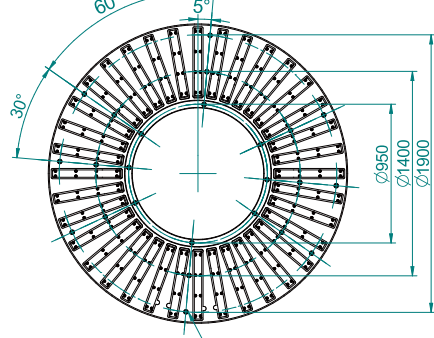
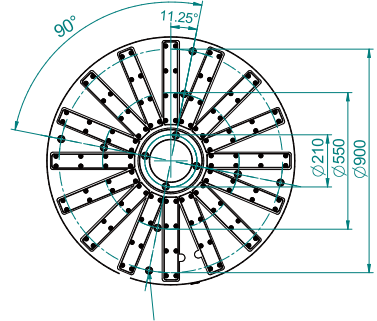
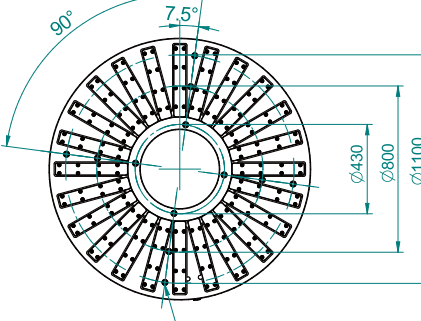
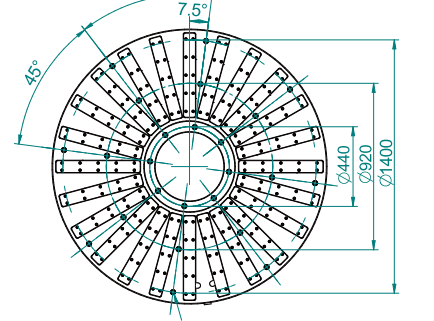
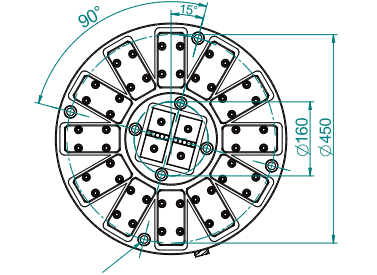
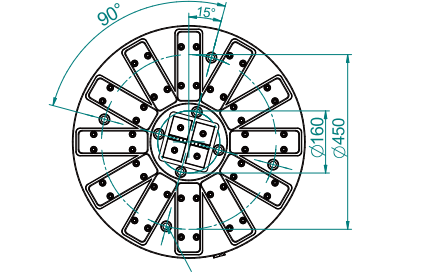
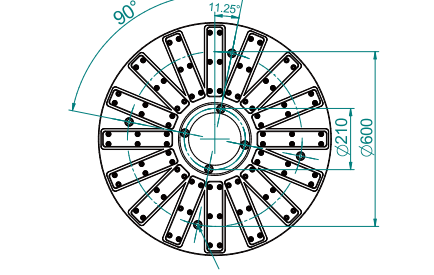
Unit:mm

MODEL NO.	DIMENSION			NO. OF POLE	MAGNETIC FORCE	CHUCK N.W.	VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)	VOLTAGE (Single Phase)	CURRENT AMP	CONTROLLER (included)
	OD	ID	HEIGHT									
EEPM-CIR500B	Ø 500	0	70	12/4	6650kgf±5%	104kg	CHUCK DC 220V	35A	C1-G	CHUCK DC 380V	15A	C1-B
EEPM-CIR600B	Ø 600	0	70	12/4	9500kgf±5%	148kg		23A	C2-G		15A	C2-B
EEPM-CIR800B	Ø 800	Ø 250	85	16	15200kgf±5%	302kg		30A	C2-G		28A	C2-B
EEPM-CIR1000B	Ø 1000	Ø 250	85	16	19000kgf±5%	471kg		24A	C4-G		20A	C4-B
EEPM-CIR1250B	Ø 1260	Ø 500	90	24	28500kgf±5%	828kg	CONTROLLER AC 220V 480V	33A	C4-G	CONTROLLER AC 380V 440V	18A	C4-B
EEPM-CIR1500B	Ø 1520	Ø 500	100	24	39900kgf±5%	1325kg		24A	C8-G		25A	C8-B
EEPM-CIR1600B	Ø 1630	Ø 500	100	24	45600kgf±5%	1507kg		24A	C8-G		20A	C8-B
EEPM-CIR1800B	Ø 1820	Ø 800	100	36	59850kgf±5%	2290kg		33A	C8-G		28A	C8-B
EEPM-CIR2000B	Ø 2050	Ø 1000	110	36	59850kgf±5%	2490kg		33A	C8-G		28A	C8-B

Customization is available.

Suitable to be used with Vertical Lathe, CNC 5 Axis Machining Center ...etc.

Dimension of screw holes for setting up

 Ø 25x18depth - Ø16.5 thru. - 24 holes EEPM-CIR1600B	 Ø 25x18depth - Ø16.5 thru. - 18 holes EEPM-CIR1800B	 Ø 25x18depth - Ø16.5 thru. - 24 holes EEPM-CIR2000B
 Ø 25x18depth - Ø16.5 thru. - 12 holes EEPM-CIR1000B	 Ø 25x18depth - Ø16.5 thru. - 12 holes EEPM-CIR1250B	 Ø 25x18depth - Ø16.5 thru. - 24 holes EEPM-CIR1500B
 Ø 25x18depth - Ø16.5 thru. - 8 holes EEPM-CIR500B	 Ø 25x18depth - Ø16.5 thru. - 8 holes EEPM-CIR600B	 Ø 25x18depth - Ø16.5 thru. - 8 holes EEPM-CIR800B

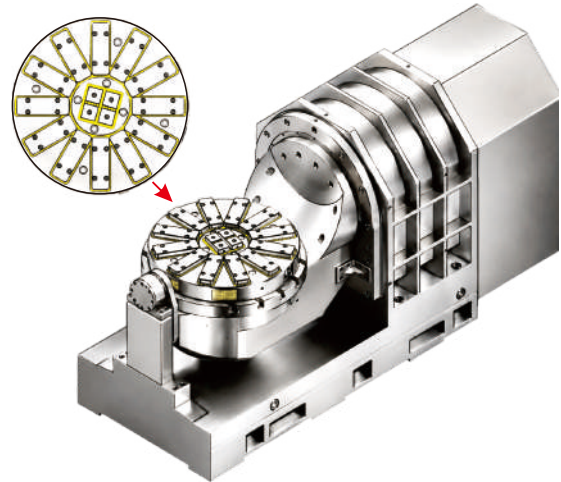
Features:

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) ±5% and maximum of 60,400Kgf (60 tons)±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.

Suitable to be used with Vertical Lathe, CNC 5 Axis Machining Center ...etc.

Applications:

1. Suitable in use for combine with Vertical Lathe, CNC 5 Axis Index Device, CNC 5 Axis Machining Center ...etc.
2. Minimum dimension of workpiece required as:
EEPM-CIR500B-Ø300mm ; EEPM-CIR600B-Ø360mm
EEPM-CIR800B-Ø500mm ; EEPM-CIR1000B-Ø500mm
EEPM-CIR1250B-Ø850mm ; EEPM-CIR1500B-Ø850mm
EEPM-CIR1600B-Ø1200mm ; EEPM-CIR1800B-Ø1200mm
or same dimensions of any other forms of workpiece.
3. 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. 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.

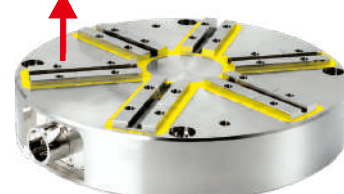
Standard Chuck View
(Without Induction Block)



Induction Block
(Optional Accessoires)



Induction Block with T-slot
(Optional Accessoires)



Unit:mm

Unit:mm

INDUCTION BLOCK	T-SLOT(included)	L	W	H
EEPM-CIRIB300A	EEPM-CIRIB300AT	96	35	15
EEPM-CIRIB400A	EEPM-CIRIB400AT	145	35	15
EEPM-CIRIB500A	EEPM-CIRIB500AT	181	35	15
EEPM-CIRIB500B	EEPM-CIRIB500BT	120	60	20
EEPM-CIRIB600B	EEPM-CIRIB600BT	180	60	20
EEPM-CIRIB800B	EEPM-CIRIB800BT	240	55	20

INDUCTION BLOCK	T-SLOT(included)	L	W	H
EEPM-CIRIB1000B	EEPM-CIRIB1000BT	335	55	20
EEPM-CIRIB1250B	EEPM-CIRIB1250BT	350	60	20
EEPM-CIRIB1500B	EEPM-CIRIB1500BT	465	65	20
EEPM-CIRIB1600B	EEPM-CIRIB1600BT	530	65	20
EEPM-CIRIB1800B	EEPM-CIRIB1800BT	470	65	20
EEPM-CIRIB2000B	EEPM-CIRIB2000BT	475	65	20

Option Accessories-T Fixed Slide Block



EEPM-T Series

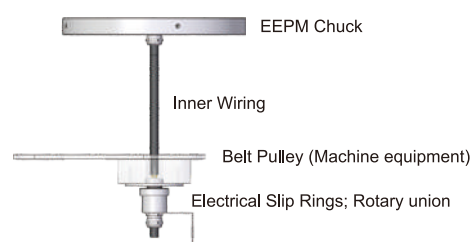
1. T-fixed slide block can do base points for workpiece positioning.
2. Due to the holding surface of small workpiece is not big enough, so please always use the T fixed slide Block to avoid the workpiece moving when machining.

Unit:mm

MODEL NO	L	W	H	SUITABLE
EEPM-15T	77	35	15	EEPM-CIRA Series
EEPM-20T	120	50	20	EEPM-CIRB Series

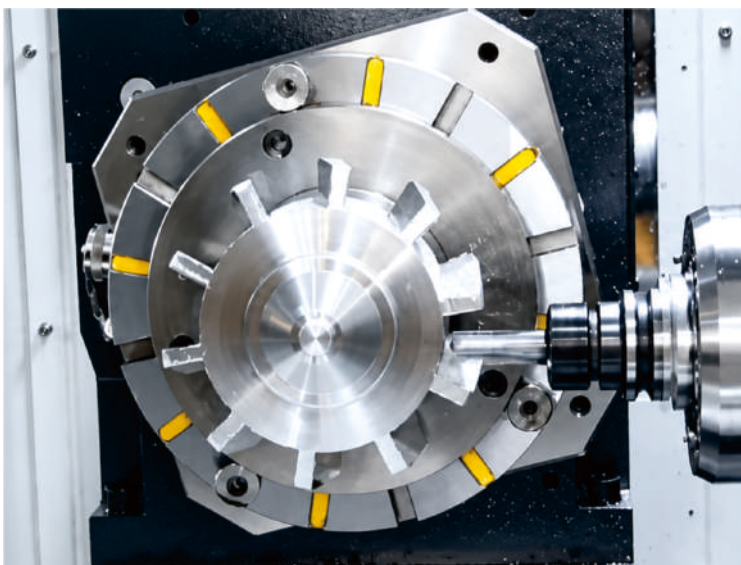
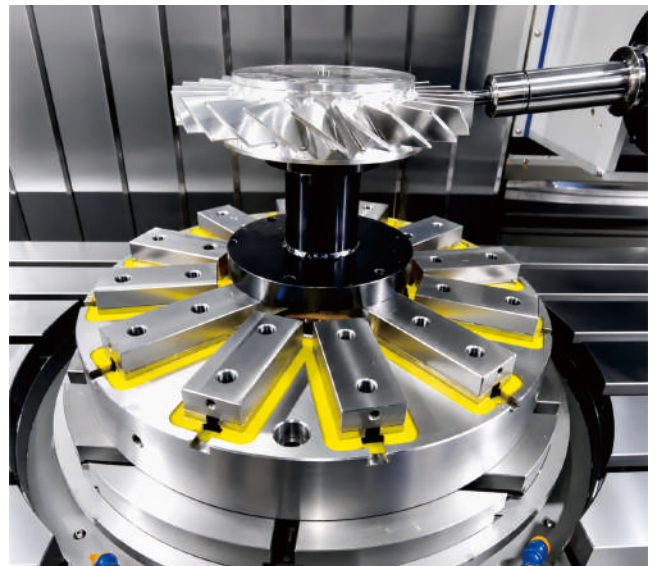
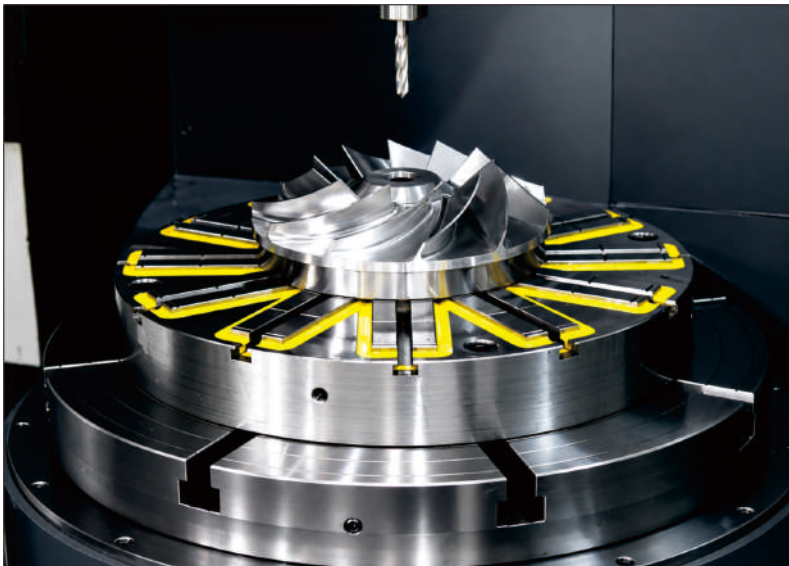
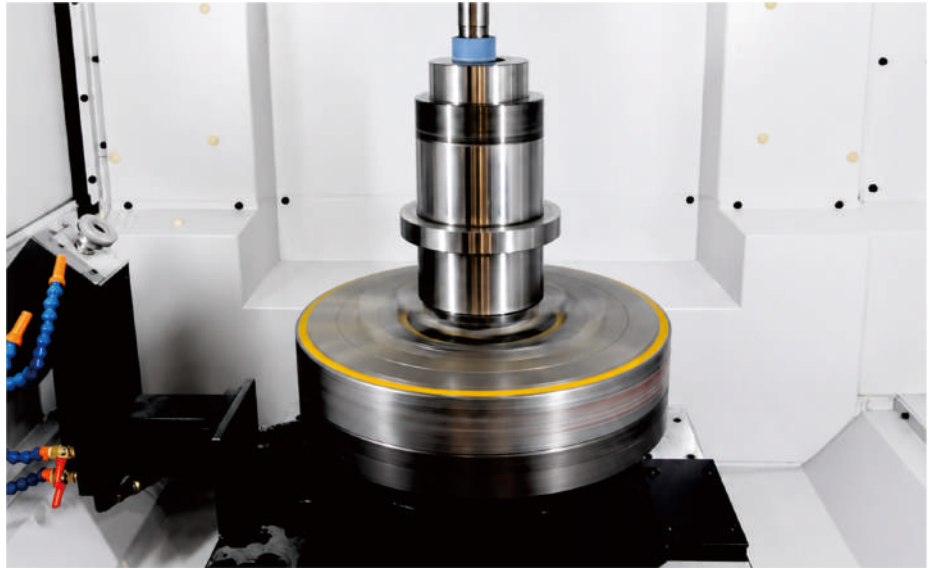
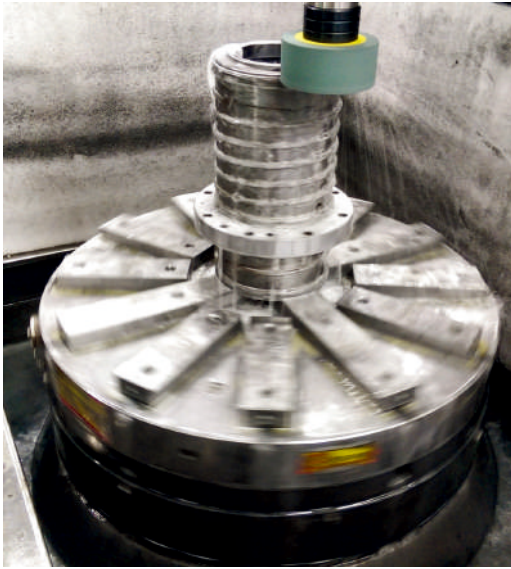
Electrical Slip Rings; Rotary union (Need to buy by yourself)

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



Suitable to be used with Vertical Lathe, CNC 5 Axis Machining Center ...etc.

Working Example



Electro-Permanent Magnetic Chuck

EEPM-CIR Series

Suitable to be used with Vertical Lathe, CNC 5 Axis Machining Center ...etc.

Working Example

