



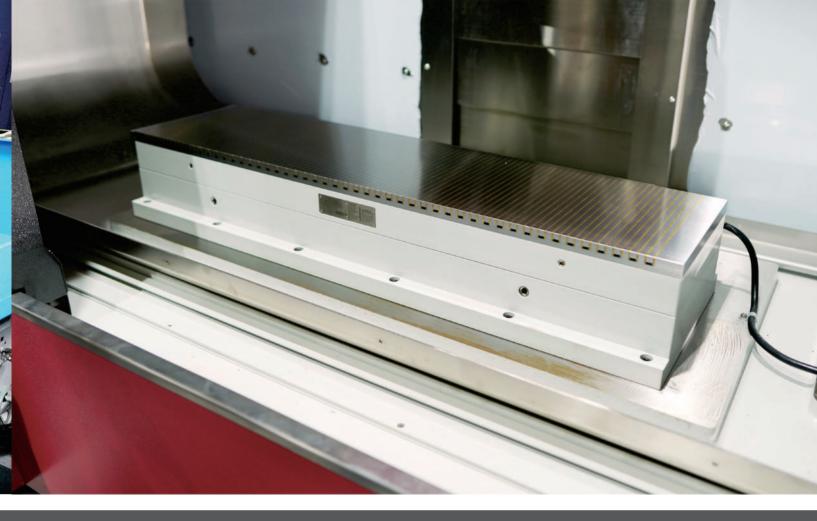
Electro-Permanent Magnetic Chuck

EEPG Series

For clamping workpieces which need high accuracies. Ex: Surface grinding



- 1. Electro permanent magnetic design. No electric power supply required to keep the magnetic force, never generate temperatures to affect the accuracy of workpieces, suitable for precision surface grinding jobs.
- 2. The power connection will be automatic cut off when the magnetism is completed, effectively reduce the power consumption and achieve the purpose of energy saving.
- 3. Resin-bonded structural face plate, minimizing the environmental burden.
- 4. The reverse demagnetization design avoids the problem of workpiece's residual magnetism. Optional air blow system is also available for easily unload the workpiece after grinding processes.
- 5. Strong and dense structure design, multi-layer waterproofing, excellent chuck strength and waterproof performance.
- 6. A variety of magnetic pole pitch can be selected, suitable for various size workpieces. Large-scale or gantry grinder, and multiple chucks can be used in combination for gantry type surface grinders.
- 7. A complete range of standard size chucks, and customized size chuck can also be provided to meet user needs, achieving the best cost performance.



Controller

EEPG-C Series

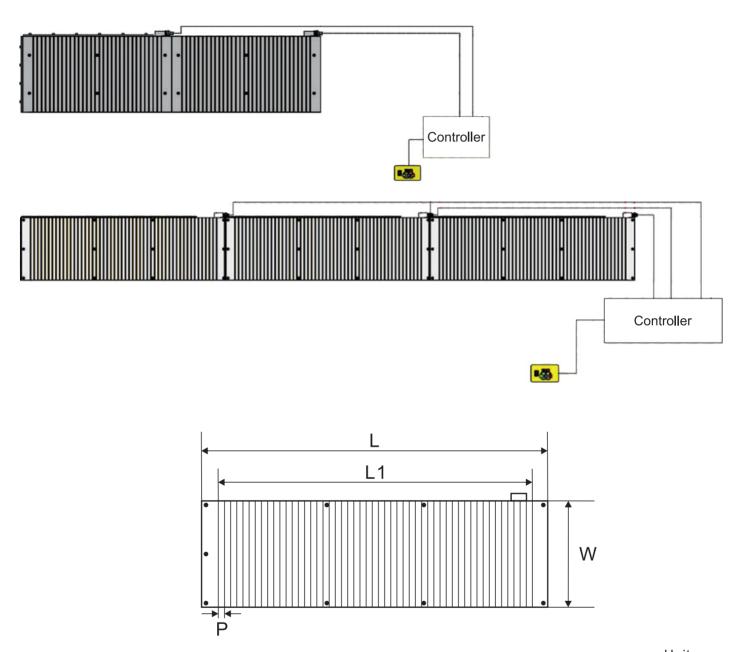
Used for controlling the EEPG series magnetic chuck.



Features:

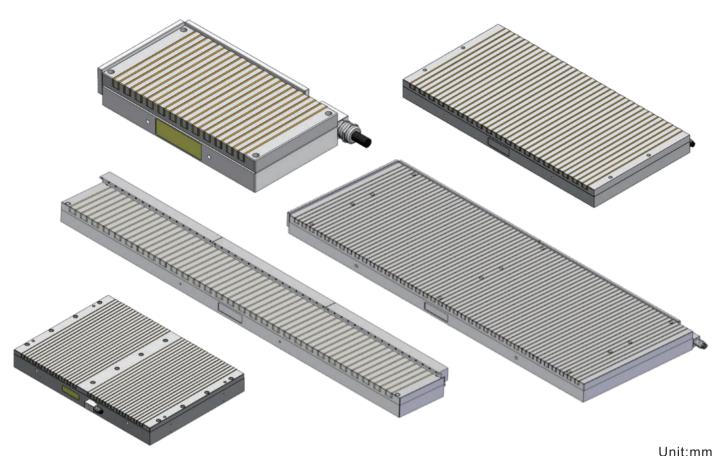
- 1. Equipped with LCD display screen, can display controller information and chuck status.
- 2. Can be connected to the cable control box for easy operation.
- 3. Equipped with UL certified European standard power terminal block, can withstand 500V/32A rated voltage and current, safe and reliable.
- 4. Equipped with a functional terminal block, the magnetization/demagnetization function and the magnetic force adjustment can be controlled via machine's main operation panel.
- 16-segment magnetic force adjustment, which can match different grinding operations and workpiece conditions, optimizing the magnetic force to achieve the best grinding accuracy.
 (The cable control box is 8-segment magnetic adjustment)

Based on customer's requirement, multiple chucks combination and its' control system can be customized. Multiple chucks can simultaneously perform magnetic force adjustment, and magnetization /demagnetization operations.



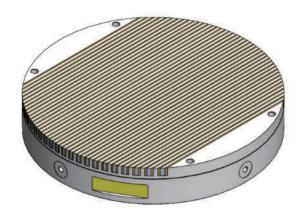
Unit:mm DIMENSION(mm) POLE PITCH CHUCK **VOLTAGE** CONTROLLER **MODEL** N.W. Н (Single Phase) L1 W 400 325 200 65 41 kg **EEPG-2040A** 397 220V 77 kg **EEPG-3050A** 500 300 65 1+3 or **EEPG-3060A** 600 509 300 65 92 kg 380V~400V 800 717 400 164 kg **EEPG-4080A** 65 **EEPG-2040B** 400 328 200 65 41 kg EEPG-C1 220V EEPG-3050B 500 408 300 65 77 kg or **EEPG-3060B** 510 300 65 600 92 kg 380V~400V 3 + 10EEPG-4080B 800 718 400 164 kg 65 EEPG-50100B 1000 926 500 80 316 kg 380V~400V EEPG-60100B 1000 926 600 80 379 kg

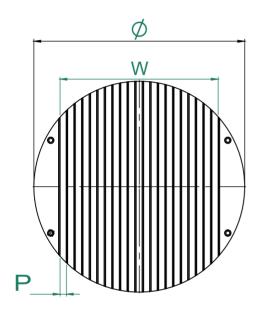
Customized sizes / pole pitch is available.



	DIMENSION(mm)				POLE PITCH		VOLTACE	Unit:mm
MODEL	L	L1	W	Н	P	CONTROLLER	VOLTAGE (Single Phase)	CHUCK N.W.
EEPG-2040C	400	309	200	65	3+15	EEPG-C1	220V	41 kg
EEPG-3060C	600	504	300	65			or 380V~400V	92 kg
EEPG-4080C	800	705	400	65				164 kg
EEPG-50100C	1000	921	500	80			380V~400V	316 kg
EEPG-50150C	1500	1425	500	90				534 kg
EEPG-60100C	1000	921	600	80				379 kg
EEPG-60120C	1200	1065	600	90				512 kg
EEPG-60150C	1500	1425	600	90				640 kg
EEPG-70150C	1500	1425	700	90				747 kg
EEPG-80100C	1000	921	800	80				506 kg
EEPG-2040D	400	330	200	65	5+20		220V or 380V~400V	41 kg
EEPG-3060D	600	500	300	65				92 kg
EEPG-4080D	800	730	400	65				164 kg
EEPG-50100D	1000	930	500	80			380V~400V	316 kg
EEPG-50150D	1500	1430	500	90				534 kg
EEPG-60100D	1000	930	600	80				379 kg
EEPG-60120D	1200	1080	600	90				512 kg
EEPG-60150D	1500	1430	600	90				640 kg
EEPG-70150D	1500	1430	700	90				747 kg
EEPG-80100D	1000	930	800	80				506 kg

Circular Electro-Permanent Magnetic Chuck EEPG-R Series







Unit:mm

MODEL	DIMENSION		MAGNETIC	POLE PITCH	CONTROLLER	VOLTAGE	CHUCK
	D	Н	AREA W	Р	CONTROLLER	(Single Phase)	N.W.
EEPG-500BR	Ø 500	85	374		EEPG-C1	380V ≀ 400V	132
EEPG-600BR	Ø 600	85	420	3+10			190
EEPG-800BR	Ø 800	90	634	3+10	EEPG-C2		358
EEPG-1000BR	Ø1000	100	790				621
EEPG-500CR	Ø 500	85	375		EEPG-C1		132
EEPG-600CR	Ø 600	85	448	2.45			190
EEPG-800CR	Ø 800	90	627	3+15	EEPG-C2		358
EEPG-1000CR	Ø1000	100	807				621
EEPG-500DR	Ø 500	85	370		EEPG-C1		132
EEPG-600DR	Ø 600	85	426	5.00			190
EEPG-800DR	Ø 800	90	620	5+20	EEPG-C2		358
EEPG-1000DR	Ø1000	100	820				621

Customization is available.

Application performance covers all the magnetic clamping and mechanica industries, get more than 50 domestic and foreign machinery manufacturers used.



- Intelligent production lines with internet of machines & magnetic systems
- MES timely production arrangement system
- Smart logistics & warehouse management
- Whole plant power consumption visualization monitoring system
- Solar power generation visualization monitoring system





E-mail:ece@earth-chain.com.tw Web-site:www.earth-chain.com







