ELECTRO MAGNETIC SURFACE GRINDING TABLE

Electromagnetic table as a standard clamping tool of surface grinding machine. Its holding force is powerful, safe and reliable for using, and very convenient to grind the workpieces which are not suitable to clamp by machinery. The electromagnetic table connects with direct current supply. The material of the magnetic isolation is brass, The magnetic force can reach to 120N/CM^2 . The electromagnetic table is also used in workpieces which require to be processed by facing machine. It is most effective to heavy grinding of forming machine, facing machine, facing type milling machine. The series of the electromagnetic table is the perfect choice for improving production efficiency and reducing working intensity of labors.

FEATURES

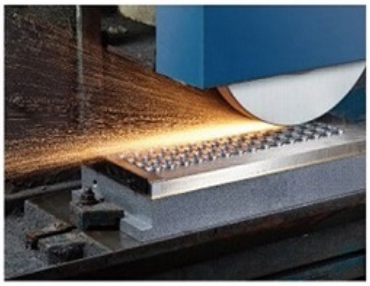
1 Strong holding force over entire table surface. It has good stabilization and few remanence. Few mechanical and thermal deformation.

2 Low height of the magnetic table for increasing clearance of larger workpieces, and makes it light and much grinding space.

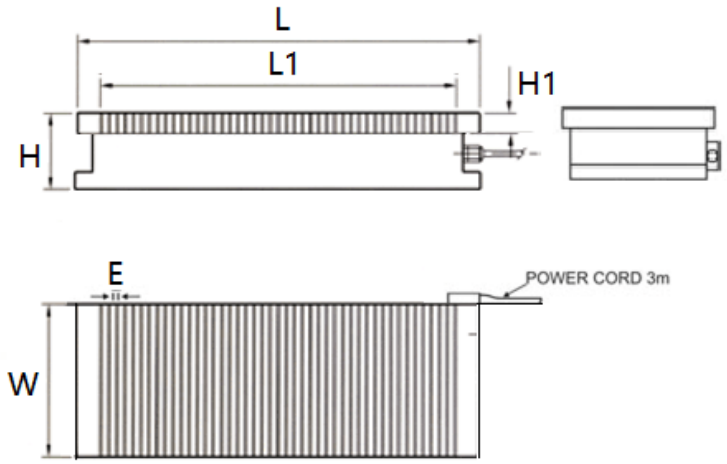
3 Three options of pole pitch 3+16mm (3+5+0.5+5+0.5+5), 0.5+1.5mm and 1+3mm, also supply 3+6mm if requires. Fine pole divisions for more uniform magnetic holding of small parts

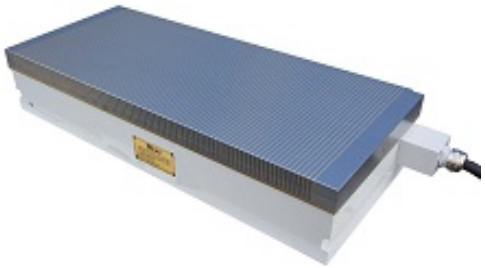
4 High flatness accuracy of 0.01mm/1000mm. Special flatness and parallelism tolerances are available on request.





CONVENTIONAL MODEL





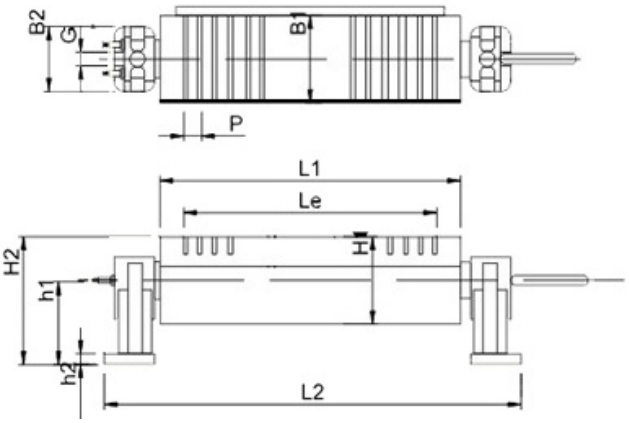
Model	Sizes mm					Pole Pitch E (mm)	Voltage	Current	NW(kg)
	W	L	L1	H	H1				
EMA1540	150	400	380	85	20	3+16	DC110V	0.55A	40
EMA2045	200	450	410	85	20	3+16	DC110V	0.62A	48
EMA2550	250	500	460	85	20	3+16	DC110V	1.30A	66
EMA3060	300	600	560	85	20	3+16	DC110V	1.20A	95
EMA4080	400	800	760	85	20	3+16	DC110V	1.66A	170
EMA40100	400	1000	960	85	20	3+16	DC110V	2.00A	212
EMA50100	500	1000	960	85	20	3+16	DC110V	2.50A	265
EMA50120	500	1200	1160	85	20	3+16	DC110V	4.02A	342
EMA60100	600	1000	960	85	20	3+16	DC110V	3.40A	398
EMA60150	600	1500	1460	85	20	3+16	DC110V	4.40A	477
EMA70150	700	1500	1460	85	20	3+16	DC110V	5.63A	621

EMB1525	150	250	200	100	22	1+3	DC110V	0.55A	15
EMB1545	150	450	400	100	22	1+3	DC110V	0.74A	33
EMB2050	200	500	450	100	22	1+3	DC110V	1.30A	51
EMB2550	250	500	450	100	22	1+3	DC110V	1.70A	64
EMB3060	300	600	550	100	22	1+3	DC110V	1.60A	95
EMB4080	400	800	750	100	22	1+3	DC110V	2.03A	170
EME1540	150	500	450	100	22	0.5+1.5	DC110V	0.90A	33
EME2045	200	450	405	100	22	0.5+1.5	DC110V	1.10A	46
EME2035	200	350	300	100	22	0.5+1.5	DC110V	1.00A	40
EME3060	300	600	550	100	22	0.5+1.5	DC110V	1.20A	95
EME4080	400	800	750	100	22	0.5+1.5	DC110V	2.04A	170
EME50100	500	1000	950	100	22	0.5+1.5	DC110V	2.80A	265

ROTARY MODEL

Rotary type electromagnetic table, used in grinding angular workpiece. Electronic control, convenient to clamp. There is dividing ruler in rotary axle, available to adjust front and back machining angle, the adjusted angle range is ±45°. the table and rotary axle are molded integrally, make sure the enough rigidity.

The temperature difference of the electromagnetic chuck is less than 2℃ after one hours running. low thickness reduce the chuck weight of and increased grinding space. rational distribution of magnetic pole is suitable for the various workpiece from big to small.

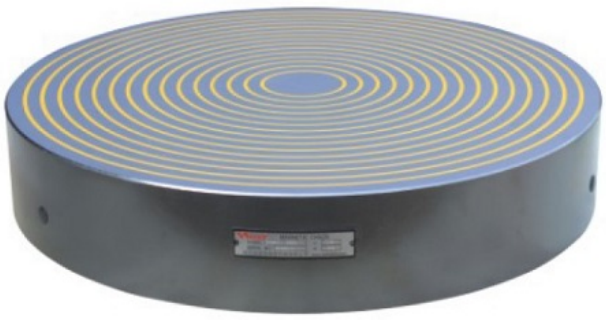


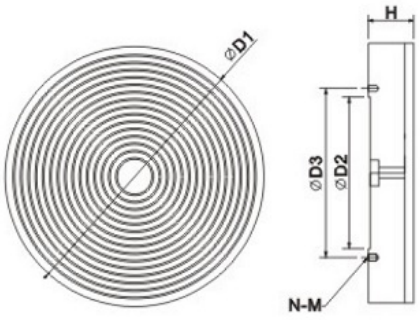
Model	Sizes mm										Curr-ent A	NW kg	Pole Pitch mm	Volt-age V
	B1	L1	Le	H1	B2	G	h1	h2	L2	H2				
EMC 1025	100	250	211	98	120	40	98	18	368	159	0.10	21	19(3+	110V

EMC 1230	120	300	240	98	120	40	98	18	418	159	0.19	29	5+0.5 +5+0. 5+5)	DC
EMC 1225	125	250	211	98	120	40	98	18	368	159	0.18	25		
EMC 1530	150	300	240	98	120	40	98	18	418	159	0.14	37		
EMC 1535	150	350	296	98	120	40	98	18	468	159	0.15	41		
EMC 1545	150	450	408	98	120	40	98	18	568	159	0.20	51		
EMC 2050	200	500	452	98	120	45	128	20	618	185	0.34	76		
EMC 2060	200	600	560	98	120	45	128	20	718	185	0.45	89		
EMD 1530	150	300	240	98	120	40	98	18	418	159	0.14	37		
EMD 1545	150	450	408	98	120	40	98	18	568	159	0.20	51	4(1+3)	
EMD 2060	200	600	560	98	120	45	128	20	718	185	0.45	89		

ROUND ELECTRO MAGNETIC MODEL

Round electro magnetic plate is mainly used for the grinding of sheet shape workpieces, such as various types of blades. The maximum magnetic holding force can reach 120N/cm2, and the high-precision seamless structure of the panel is robust and waterproof. The base is cast in one piece to minimize mechanical deformation.

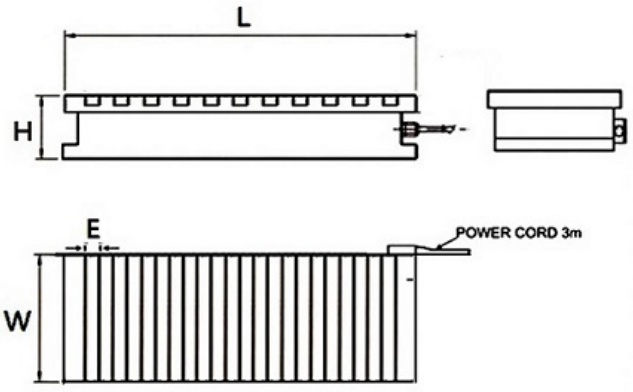




Model	Sizes mm						NW kg	Pole Pitch mm	Voltage V
	D1	H	D2	D3	N	M			
EMR 300	300	90	160	190	4	12	42	4+13	110V DC
EMR 400	400	105	210	250	6	12	92		
EMR 500	500	105	280	320	6	12	144		
EMR 600	600	105	310	390	6	12	208		
EMR 800	800	105	450	500	6	16	369		
EMR 1000	1000	105	550	620	8	16	577		

ELECTRO PERMANENT MAGNETIC MODEL

Electro permanent magnetic grinding plate utilizes the same operating principle as the electro permanent magnetic table. the plate does not need to be continuously energized during working, which saves energy and avoids thermal deformation efficiently



Model	Overall Size(mm)			Weight	Pole Pitch	Voltage
	W	L	H	Kg	E (mm)	
EMP 3060	200	450	85	110		
EMP 30100	250	500	85	180		
EMP 4060	300	600	85	145		
EMP 4080	400	800	85	190	**3+16**	
EMP 50100	400	1000	85	295		
EMP 50120	500	1200	85	350		**AC 380V or other 3 phase voltage**
EMP 60150	600	1500	85	510		
EMPE 1540	150	400	90	40		
EMPE 2045	200	450	90	55		
EMPE 3060	300	600	90	115	**1+3**	
EMPE4060	400	600	90	176		
EMPE 4080	400	800	90	205		

CONTROLLER

Our company has successfully developed electromagnetic table controller, there are 3 models, CCEM5B, CCEM10B and CCEM20B. 5B is suitable for 10A or less, 10B is suitable for 10-20A, 20B is the option for more than 20A. input voltage can be 220V or 380VAC, output voltage is 110V DC.

Traditional grinder can use our controller to replace or upgrade old electromagnetic table quickly.

CC5B/10B

CC20B

The data and illustrations in this catalogue are not binding and only provide an approximate description. We reserve the right to make changesto the product delivered compared with the data and illustrations in this catalogue, e.g. in respect of technical data, design, fittings, material and external appearance.

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