

Magnetiser Product Selection Guide

Bunting's range of magnetisers are designed for saturating all permanent magnet material types, either as a standalone magnet or as part of a magnetic assembly. This guide is designed to help select the right machine and use the right language to describe the magnetising fixture you need.

Magnetiser Capability

Part Number	Energy	Maximum Voltage	Typical Diameter for a 50mm Axial Length 2 Pole Magnetising Fixture				
			Typical Materials				
	kJ	V	AlNiCo	Ferrite	NdFeB	Bonded NdFeB	SmCo
			Typical Fields Needed (T)				
			0.5	1	3	3.4	5
			mm	mm	mm	mm	mm
BMCS0110	1	100	56	40	23	21	18
BMCL5030	4.5	3000	119	84	48	46	38
BMC01250	12.5	5000	198	140	81	76	63
BMC02550	25	5000	280	198	114	107	88
BMC03750	37.5	5000	343	242	140	131	108
BMC05050	50	5000	396	280	162	152	125
BMC06250	62.5	5000	442	313	181	170	140
BMC07550	75	5000	485	343	198	186	153
BMC08750	87.5	5000	523	370	214	201	166
BMC10050	100	5000	560	396	228	215	177
BMC11250	112.5	5000	594	420	242	228	188
BMC12550	125	5000	626	442	255	240	198
BMC13750	137.5	5000	656	464	268	252	208
BMC15050	150	5000	685	485	280	263	217

Our range of magnetisers are designed with a common low voltage and charging system with expandable energy storage capacity, as can be seen in the bottom of the cabinet. This charger has space for 1 to 4 capacitors, producing the 12.5kJ, 25kJ, 37.5kJ and 50kJ range used by customers for a wide range of applications.



Terminology

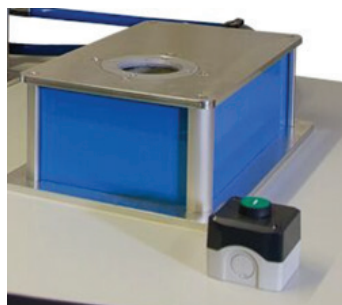
Magnetiser

Capacitive Energy storage and discharge unit, (Highly Versatile)



Two Pole Magnetising fixture

Current carrying Copper wire, encased in structural epoxy (highly Versatile)



Multipole Magnetising fixture

Current carrying copper wire, wound, similar to a motor stator, around laminated steel but with much thicker wire. Suitable for in situ magnetising of permanent magnet rotors or isotropic bonded ring magnets.

