

MAGNETIC TECHNOLOGY

ELECTRO DRUM MAGNET

Model TMR

TECHNICAL SPECIFICATIONS

The SGM Electro Drum Magnet model TMR is designed with axial polarities, anodized aluminum strip winding for maximum heat dissipation, low electrical density for minimum heat build-up resulting in optimum ferrous attraction performance for auto shredder scrap and other heavy duty industrial applications. Maximum robustness is guaranteed since all mechanical parts are abundantly sized and designed for locking into each other through maximum contact sections; main shaft is made of a single machined billet (no weld).

PRODUCT HIGHLIGHTS

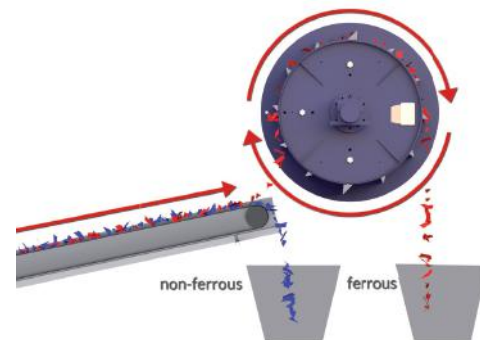
- Larger winding resulting in more winding turns, more magnetic energy and more attraction.
- Heavier steel structure, and greater magnetic core sections, resulting in a deeper magnetic flux.
- Supplied with two 115mm - 4 1/2" paddles and 8 to 10 - 65 mm - 2 1/2" knock-off bars

OPTIONAL FEATURES

- Extra manganese steel shells (8mm - 0.31" thick outer shell in addition to the 10mm - 0.39" inner shell).
- Counter weight to facilitate the positioning process of magnet polarities.
- Drum sprocket and drive assembly.

The TMR can either be positioned above the feeder (either belt or shaker pan) with ferrous material being attracted from a distance or, below the feeder with material dropping on the drum magnet and ferrous being held on by the magnet and discharged separately from the natural trajectory of the non-ferrous stream.

When positioned above the feeder, the exceptional attraction performance of the TMR allows to optimize the distance from feeder to drum shell which offers maximum opportunity for the non-ferrous material to drop, considering the largest pieces of ferrous start taking-off towards the drum magnet from a distance of over 100 cm - 3ft.



MODEL	WEIGHT	MAGNET POWER	WORKING DISTANCE	MOTOR DRIVE	SPEED RPM	KNOCK OFF 65mm - 2 1/2"	PADDLES 115mm - 4 1/2"
40x47	2,902 Kg - 6,400 lbs	5.6 kW	200-250 mm - 8"-10"	7,5 HP	24	8	0
47x47	3,991 Kg - 8,800 lbs	6.7 kW	250-300 mm - 10"-12"	10 HP	22	8	2
47x60	4,604 Kg - 10,150 lbs	8 kW	250-300 mm - 10"-12"	10 HP	22	8	2
47x70	5,352 Kg - 11,800 lbs	9.6 kW	250-300 mm - 10"-12"	10 HP	22	8	2
47x82	5,760 Kg - 12,700 lbs	9.6 kW	300-350 mm - 12" - 14"	15 HP	18	10	2
60x60	7,643 Kg - 16,850 lbs	10 kW	300-350 mm - 12" - 14"	15 HP	18	10	2
60x70	8,436 Kg - 18,600 lbs	11.6 kW	300-350 mm - 12" - 14"	15 HP	18	10	2
60x82	9,570 Kg - 21,100 lbs	13.5 kW	300-350 mm - 12" - 14"	20 HP	18	10	2
60x100	11,113 Kg - 24,500 lbs	16 kW	300-350 mm - 12" - 14"	20 HP	18	10	2

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TYPICAL APPLICATIONS

Car shredder and heavy industrial applications

