

### Electro Magnet Self Cleaning Overband Type



- Driven by Electromagnetic field intensity to separate tramp.
- Suitable for harsh environments and able to pick up tramp particles up to 35 kgs.
- Ideal for high intensity impurities that is continuously cleaned automatically.
- Works continuously with reliable operation and requires continuous power supply to remain activated.
- Suitable for intense applications with an continuous duty cycle.
- Metal belt cladding available for sharp & jagged tramp particles.

In the EM-SC Overhead Separator, a heavy-duty neoprene, or optional Armor Clad belt travels around the magnet and carries the ferrous material that is drawn upward, away and into collecting hoppers or onto the ground. These units are typically installed either in-line, (parallel with the conveyor belt, above the head pulley) or cross-belt (as in the photo). They are ideal for removing miscellaneous metallic debris from crushed and recycled material and are designed to provide long-term, trouble free operation. All units come with the required rectifier to power the magnet.

Model : EM-SC

All dimensions in metric units

Model No.	Belt Width	Minimum Suspension Height	Belt Speed <m/s	Magnetic Field Intensity >mT	Driving Power (kw)	Unit Weight (Kg)	L X W x H
EM-SC-500	500	150	4.5	60	1.5	950	2020 x 1040 x 775
EM-SC-650	650	200		70	2.2	1490	2275 x 1190 x 820
EM-SC-800	800	250		70	2.2	1770	2540 x 1480 x 865
EM-SC-1000	1000	300		70	3	2380	2750 x 1635 x 940
EM-SC-1200	1200	350		70	3	3170	3000 x 1800 x 1010
EM-SC-1400	1400	400		70	4	4800	3500 x 2050 x 1050
EM-SC-1600	1600	450		70	5.5	6300	3900 x 2450 x 1180
EM-SC-1800	1800	500		70	7.5	7800	4400 x 2850 x 1290

Due to continuous upgradation in design there could be changes in specification. Other sizes on request. Before ordering, contact Supreme Magnets or your nearest dealer to confirm the suitability of this model for your application.



### Electro Magnet Self Cleaning – Oil Cooling Overband Type



- Driven by Electromagnetic field intensity to separate tramp.
- Suitable for harsh and high temperature environments and high burden depth.
- Ideal for high intensity impurities that is continuously cleaned automatically.
- Works continuously with reliable operation and requires continuous power supply to remain activated.
- Suitable for intense applications with an continuous duty cycle.
- Metal belt cladding available for sharp & jagged tramp particles.

EM-SCO Oil cooled type Overhead Separator consist of a magnet body and exciter coil. Cross sections, shape and size of the magnet body are specially designed for magnet coil and power input. Thus despite compact construction, low weight and low power input, high efficiency is reached. The magnet body is a welded steel construction of high permeability. The standard exciter coil consists of an aluminum conductor and it is manufactured by using insulating material of class 'H' and mounted into the magnet body. If specially requested we can also supply coils wound with copper conductor. The coil is covered by a non-magnetic plate. Transformer oil is used for the cooling arrangement. Suspension lugs and one set of turn buckles and suspension rod with bull ring are normally supplied. Electric connection is by a terminal box. The entrance for cable fixing is fitted with a suitable cable gland.

Model : EM-SCO

All dimensions in metric units

Model No.	Belt Width	Minimum Suspension Height	Belt Speed <m/s	Magnetic Field Intensity >mT	Material depth (mm)	Driving Power (kw)	Unit Weight (Kg)	L X W x H
EM-SCO-500	500	150	4.5	60	100	1.5	1100	1980 x 1120 x 1020
EM-SCO-600	600	175		60	130	1.5	1500	2140 x 1270 x 1070
EM-SCO-650	650	200		70	150	2.2	1800	2270 x 1380 x 1080
EM-SCO-800	800	250		70	200	2.2	2500	2650 x 1570 x 1100
EM-SCO-1000	1000	300		70	250	3	3550	2960 x 1620 x 1200
EM-SCO-1200	1200	350		70	300	4	4650	3250 x 1950 x 1300
EM-SCO-1400	1400	400		70	350	4	6290	3550 x 2190 x 1400
EM-SCO-1600	1600	450		70	400	5.5	7770	3650 x 2210 x 1250
EM-SCO-1800	1800	500		70	450	7.5	8900	3950 x 2400 x 1500

Due to continuous upgradation in design there could be changes in specification. Other sizes on request. Before ordering, contact Supreme Magnets or your nearest dealer to confirm the suitability of this model for your application.

