

OV

Precise magnetic separation of ferrous metals

Automatic magnetic separation solution for continuous scrap metal extraction. Operates 24/7, providing optimal protection for your equipment and maximizing the value of recovered ferrous metals.

GENERAL CHARACTERISTICS

- Extraction continue
- Engine guaranteed for 2 years
- 24/7 uninterrupted use
- Flexible mounting: transverse or at the pier.
- Available in a permanent magnet version (OVAP)
- Through-shaft, anti-rotation geared motor
- Ears with double drilling for easier installation

OPERATING PRINCIPLE

- The electromagnetic overband is suspended above a conveyor or placed at the end of the belt to capture and extract ferrous metals.
- These are then removed via an integrated conveyor belt.
- Overband can be combined with an upstream metal detector to improve efficiency.

BENEFITS



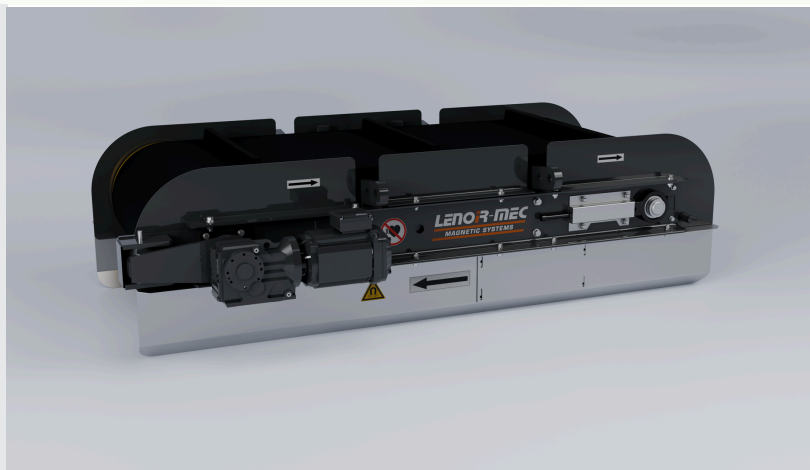
Lifetime
guarantee on
magnetism



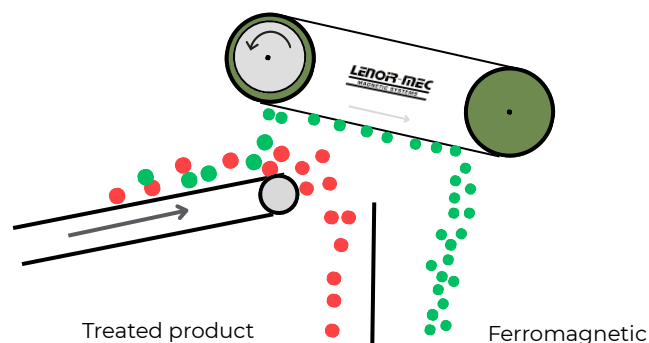
Easy integration
onto existing
conveyors



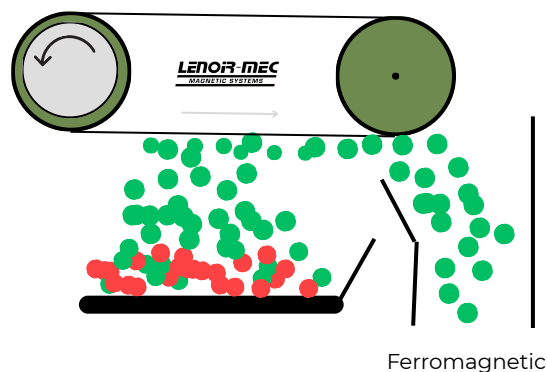
Automatic and
continuous separation

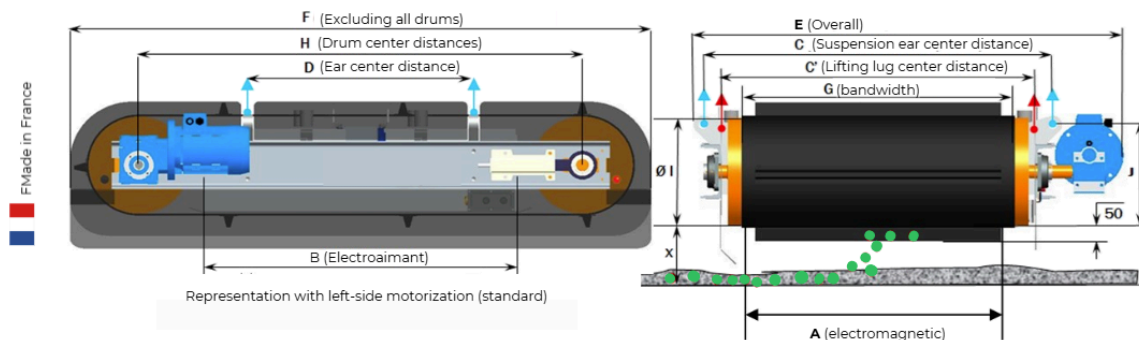


ASSEMBLY AT THE PIER



MONTAGE TRANSVERSAL





Model	Attraction distance X	Mounting		Electromagnet		Magnet Power (W)	Voltage (Vdc)	Motor Power (KW)	C	C'	D	E	F	G	H	ØI	J	Weight (Kg)	Suspensions
		Crosswise	Lengthwise	A	B														
		On the width band																	
OV 8-10	350	800	650	780	980	3450	110	1,5	1031	1180	640	1405	2190	800	1635	406	358,5	1521	M27
OV 8-11		900		780	1080	3850	110				740		2290		1735			1644	
OV 8-12		1000		780	1230	4450	110				890		2440		1885			1828	
OV 8-16		1400		780	1580	6250	110				1240		2790		2235			2257	
OV 10-12	420	1000	800	990	1250	5400	110	2,2	1241	1390	910	1640	2460	1000	1905	406	358,5	2316	M27
OV 10-14		1200		990	1400	6000	110				1060		2610		2055			2570	
OV 10-16		1400		990	1550	6500	110				1210		2760		2205			2812	
OV 10-18		1600		990	1750	7200	110				1410		2690		2405			3136	
OV 12-14	500	1200	1000	1175	1435	7300	110	3	1426	1575	1060	1828	2915	1200	2260	508	409,5	4064	M27
OV 12-16		1400		1175	1575	7800	110				1210		3065		2410			4432	
OV 12-18		1600		1175	1775	9700	110				1410		3265		2610			4924	
OV 12-20		1800		1175	1995	10250	110				1630		3265		2830			5465	
OV 14-15	600	1300	1200	1370	1470	9200	220	3	1621	1770	1110	2023	3485	1400	2310	508	409,5	5134	M27
OV 14-17		1500		1370	1670	11250	220				1310		3485		2510			5758	
OV 14-19		1700		1370	1870	12950	220				1510		2965		2710			6381	
OV 14-21		1900		1370	2070	13500	220				1710		3560		2910			6971	
OV 14-23		2100		1370	2280	15300	220				1910		3765		3110			7627	
OV 16-15	720	1300	1400	1580	1580	10350	220	5,5	1831	1980	1110	2308	3385	1600	2540	609	459,5	8579	M30
OV 16-17		1500		1580	1720	12400	220				1310		3585		2740			9348	
OV 16-19		1700		1580	1920	14300	220				1510		3785		2940			10070	
OV 16-21		1900		1580	2120	16100	220				1710		3985		3140			10794	
OV 16-23		2100		1580	2320	18200	220				1910		4185		3340			11518	
OV 16-25		2300		1580	2520	20250	220				2110		4385		3540			12241	
OV 18-18	830	1600	1600	1780	1820	15900	220	7,5	2031	2180	1410	2508	3685	1800	2840	609	459,5	10546	M30
OV 18-21		1900		1780	2120	16900	220				1710		3985		3140			11732	
OV 18-25		2300		1780	2520	21000	220				2110		4385		3540			13313	

Attraction distance: Dimension X is the initial positioning distance during overband magnet installation. During commissioning, and depending on the steel you wish to extract, you will lower the magnet until the desired performance is achieved. In some cases, the final distance X may be equivalent to X/2.

SERVICES



Industrial commissioning assistance



Spare parts inventory



Rapid intervention from customer service



Park monitoring and periodic checks

OPTIONS & ACCESSORIES

- Reinforced and wear-resistant band
- Colors according to the RAL color chart
- Band misalignment detector
- Certification ATEX 22 Ex II 3D
- Power supply and control cabinet
- Thermal probe (160°/200°)
- Rotation controller
- Full convertible top

LENOIR-MEC

ATTRACTING SOLUTIONS



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