

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



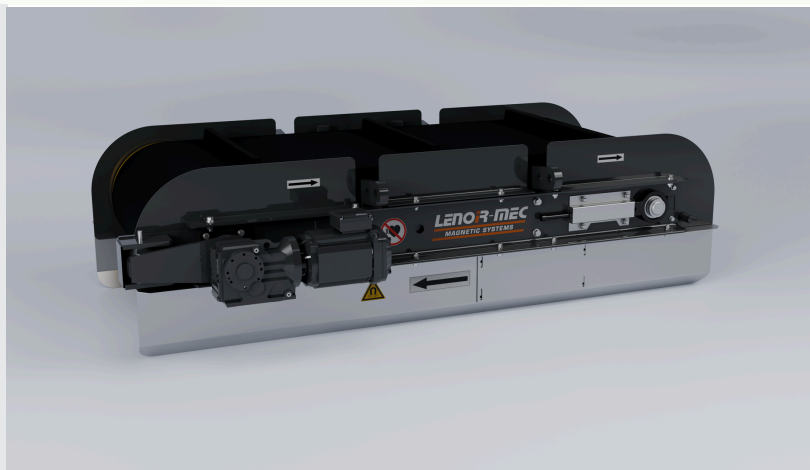
Lifetime
guarantee on
magnetism



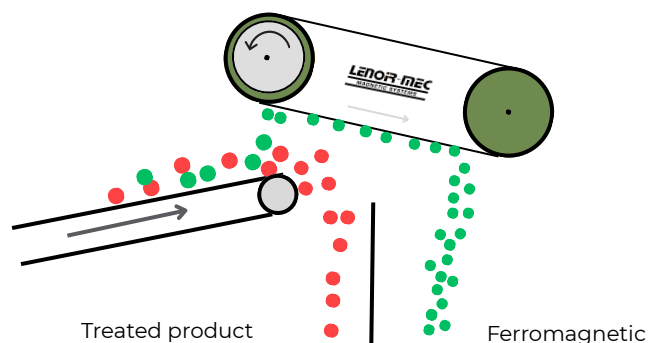
Easy integration
onto existing
conveyors



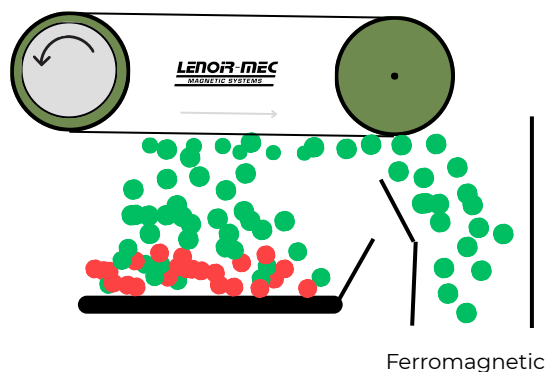
Automatic and
continuous separation

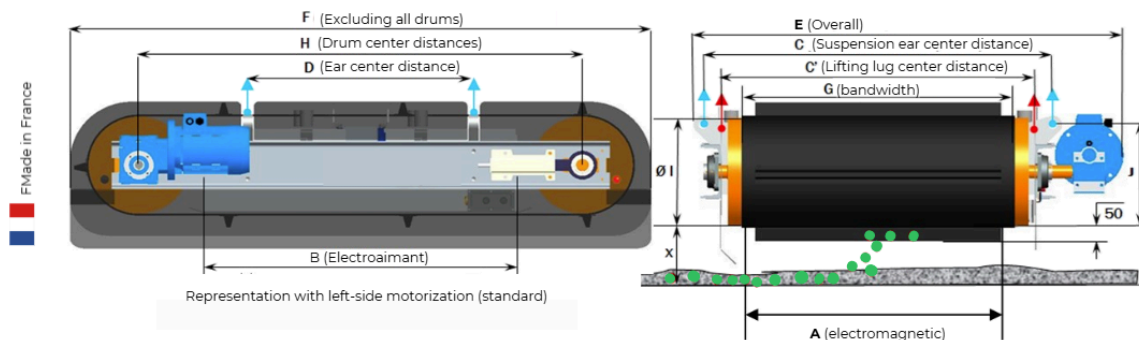


ASSEMBLY AT THE PIER



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 | 101 | 1,5 | 1031 | 1180 | 640 | 1405 | 2190 | 800 | 1635 | 406 | 358,5 | 1521 | M27 |
| OV 8-11 | | 900 | | 780 | 1080 | 3850 | 113 | | | | 740 | | 2290 | 1735 | 1644 | | | | |
| OV 8-12 | | 1000 | | 780 | 1230 | 4450 | 130 | | | | 890 | | 2440 | 1885 | 1828 | | | | |
| OV 8-16 | | 1400 | | 780 | 1580 | 6250 | 169 | | | | 1240 | | 2790 | 2235 | 2257 | | | | |
| OV 10-12 | 420 | 1000 | 800 | 990 | 1250 | 5400 | 165 | 2,2 | 1241 | 1390 | 910 | 1640 | 2460 | 1000 | 1905 | 406 | 358,5 | 2316 | M27 |
| OV 10-14 | | 1200 | | 990 | 1400 | 6000 | 186 | | | | 1060 | | 2610 | 2055 | 2570 | | | | |
| OV 10-16 | | 1400 | | 990 | 1550 | 6500 | 208 | | | | 1210 | | 2760 | 2205 | 2812 | | | | |
| OV 10-18 | | 1600 | | 990 | 1750 | 7200 | 236 | | | | 1410 | | 2690 | 2405 | 3136 | | | | |
| OV 12-14 | 500 | 1200 | 1000 | 1175 | 1435 | 7300 | 200 | 3 | 1426 | 1575 | 1060 | 1828 | 2915 | 1200 | 2260 | 508 | 358,5 | 4064 | M27 |
| OV 12-16 | | 1400 | | 1175 | 1575 | 7800 | 222 | | | | 1210 | | 3065 | 2410 | 4432 | | | | |
| OV 12-18 | | 1600 | | 1175 | 1775 | 9700 | 249 | | | | 1410 | | 3265 | 2610 | 4924 | | | | |
| OV 12-20 | | 1800 | | 1175 | 1995 | 10250 | 280 | | | | 1630 | | 3265 | 2830 | 5465 | | | | |
| OV 14-15 | 600 | 1300 | 1200 | 1370 | 1470 | 9200 | 256 | 3 | 1621 | 1770 | 1110 | 2023 | 3485 | 1400 | 2310 | 508 | 409,5 | 5134 | M27 |
| OV 14-17 | | 1500 | | 1370 | 1670 | 11250 | 289 | | | | 1310 | | 3485 | 2510 | 5758 | | | | |
| OV 14-19 | | 1700 | | 1370 | 1870 | 12950 | 322 | | | | 1510 | | 2965 | 2710 | 6381 | | | | |
| OV 14-21 | | 1900 | | 1370 | 2070 | 13500 | 355 | | | | 1710 | | 3560 | 2910 | 6971 | | | | |
| OV 14-23 | 720 | 2100 | 1400 | 1370 | 2280 | 15300 | 380 | 5,5 | 1831 | 1980 | 1910 | 2308 | 3765 | 1400 | 3110 | 609 | 459,5 | 7627 | M30 |
| OV 16-15 | | 1300 | | 1580 | 1580 | 10350 | 140 | | | | 1110 | | 3385 | 2540 | 8579 | | | | |
| OV 16-17 | | 1500 | | 1580 | 1720 | 12400 | 156 | | | | 1310 | | 3585 | 2740 | 9348 | | | | |
| OV 16-19 | | 1700 | | 1580 | 1920 | 14300 | 173 | | | | 1510 | | 3785 | 2940 | 10070 | | | | |
| OV 16-21 | 830 | 1900 | 1600 | 1580 | 2120 | 16100 | 188 | 7,5 | 2031 | 2180 | 1710 | 2508 | 3985 | 1800 | 3140 | 609 | 459,5 | 10794 | M30 |
| OV 16-23 | | 2100 | | 1580 | 2320 | 18200 | 205 | | | | 1910 | | 4185 | 3340 | 11518 | | | | |
| OV 16-25 | | 2300 | | 1580 | 2520 | 20250 | 220 | | | | 2110 | | 4385 | 3540 | 12241 | | | | |
| OV 18-18 | | 1600 | | 1780 | 1820 | 15900 | 191 | | | | 1410 | | 3685 | 2840 | 10546 | | | | |
| OV 18-21 | 830 | 1900 | 1600 | 1780 | 2120 | 16900 | 219 | 7,5 | 2031 | 2180 | 1710 | 2508 | 3985 | 1800 | 3140 | 609 | 459,5 | 11732 | M30 |
| OV 18-25 | | 2300 | | 1780 | 2520 | 21000 | 257 | | | | 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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Visit our website:

