

OVERBAND CONVEYOR MAGNET



INDUSTRIES

- **Crushing/Screening**
- **Recycling**
- **Material/Mineral Processing**

FUNCTION

Extraction of ferrous material from non-ferrous material or discharge of ferrous material to a designated area.



FEATURES AND BENEFITS

- High strength magnet
- Guaranteed performance
- Test certified
- Electric or hydraulic drive option
- Strong Magnetic Field
- Single or dual pole configuration
- Competitive pricing
- Fast delivery

SUSPENDED PERMANENT MAGNET RANGE

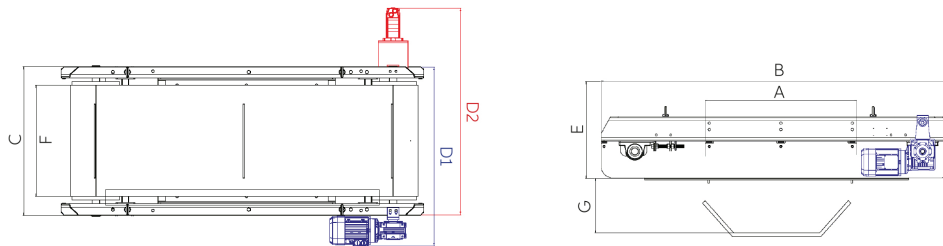
ConveyorTek manufacture high efficiency Self-Cleaning Overband Magnets in various strengths for extracting ferrous metal at operating gaps up to 14". Available in cross belt and in-line designs, our standard CORE models are manufactured to suit conveyor belt widths 16" - 60", with larger and bespoke units available upon request.



CONVEYORS | METAL SEPARATION | SERVICE

OVERBAND CONVEYOR MAGNET

TECHNICAL DATA



MODEL	TYPE	A	B	C	D		E	F	G	Approx Weight (lbs)	
		Magnet Length (inches)	Total Length (inches)	Width Without Motor (inches)	Width With Motor (inches)		Depth (inches)	Belt Width* (inches)	Max Operating Gap** (inches)	Single Pole	Twin Pole
CORE 600	D	23%	71	39%	47	55%	15%	30	11 $\frac{1}{2}$	1543	1873
	D+	23%	71	39%	47	55%	15 $\frac{1}{2}$	30	12 $\frac{1}{2}$	1653	1984
	E	23%	71	39%	47	55%	16 $\frac{3}{4}$	30	13 $\frac{1}{2}$	1763	2149
CORE 800	D	31 $\frac{1}{2}$	78%	39%	47	55%	15 $\frac{1}{2}$	30	11 $\frac{1}{2}$	1984	2314
	D+	31 $\frac{1}{2}$	78%	39%	47	55%	15 $\frac{1}{2}$	30	12 $\frac{1}{2}$	2094	2425
	E	31 $\frac{1}{2}$	78%	39%	47	55%	16 $\frac{3}{4}$	30	13 $\frac{1}{2}$	2204	2645
CORE 1000	D	39%	91	39%	47	55%	15 $\frac{1}{2}$	30	11 $\frac{1}{2}$	2314	2755
	D+	39%	91	39%	47	55%	15 $\frac{1}{2}$	30	12 $\frac{1}{2}$	2425	2921
	E	39%	91	39%	47	55%	16 $\frac{3}{4}$	30	13 $\frac{1}{2}$	2590	3086
CORE 1200	D	47	91	39%	47	55%	15 $\frac{1}{2}$	30	11 $\frac{1}{2}$	2700	3086
	D+	47	91	39%	47	55%	15 $\frac{1}{2}$	30	12 $\frac{1}{2}$	2866	3306
	E	47	91	39%	47	55%	16%	30	13 $\frac{1}{2}$	3086	3582
CORE 1400	D	55	110	39%	47	55%	15 $\frac{1}{2}$	30	11 $\frac{1}{2}$	2954	3571
	D+	55	110	39%	47	55%	15 $\frac{1}{2}$	30	12 $\frac{1}{2}$	3108	3791
	E	55	110	39%	47	55%	16%	30	13 $\frac{1}{2}$	3284	4034
CORE 1500	D	59	110	39%	47	55%	15 $\frac{1}{2}$	30	11 $\frac{1}{2}$	3086	3747
	D+	59	110	39%	47	55%	15 $\frac{1}{2}$	30	12 $\frac{1}{2}$	3251	3968
	E	59	110	39%	47	55%	16%	30	13 $\frac{1}{2}$	3692	4299

OUR TEST RIG

We test each magnet on our dynamic test rig and can produce working data across a range of variables.

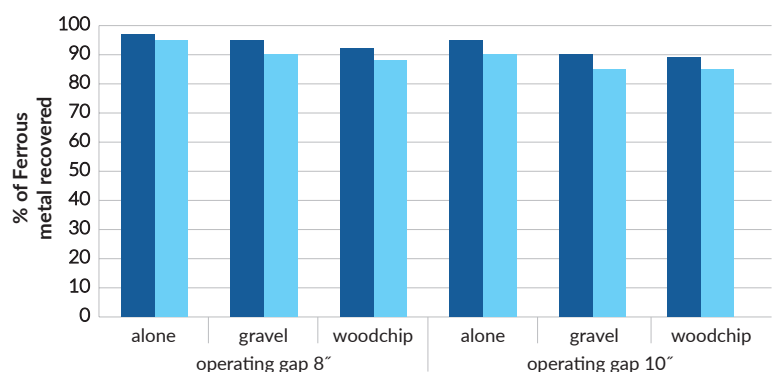
Results based on the CORE1000D model.

We hold a wide range of our CORE metal separation products in stock, ready for immediate dispatch.

*Belt widths manufactured to international DIN Standards with variance of +/- 2%.

**Operating gaps are based on a standard 1 inch bolt test. Dimension tables are indicative and are for reference purposes only.

Single Run, Contaminate Separation from Various Mixtures



2.3 fps	97	95	92	95	90	89
4.3 fps	95	90	88	90	85	85

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