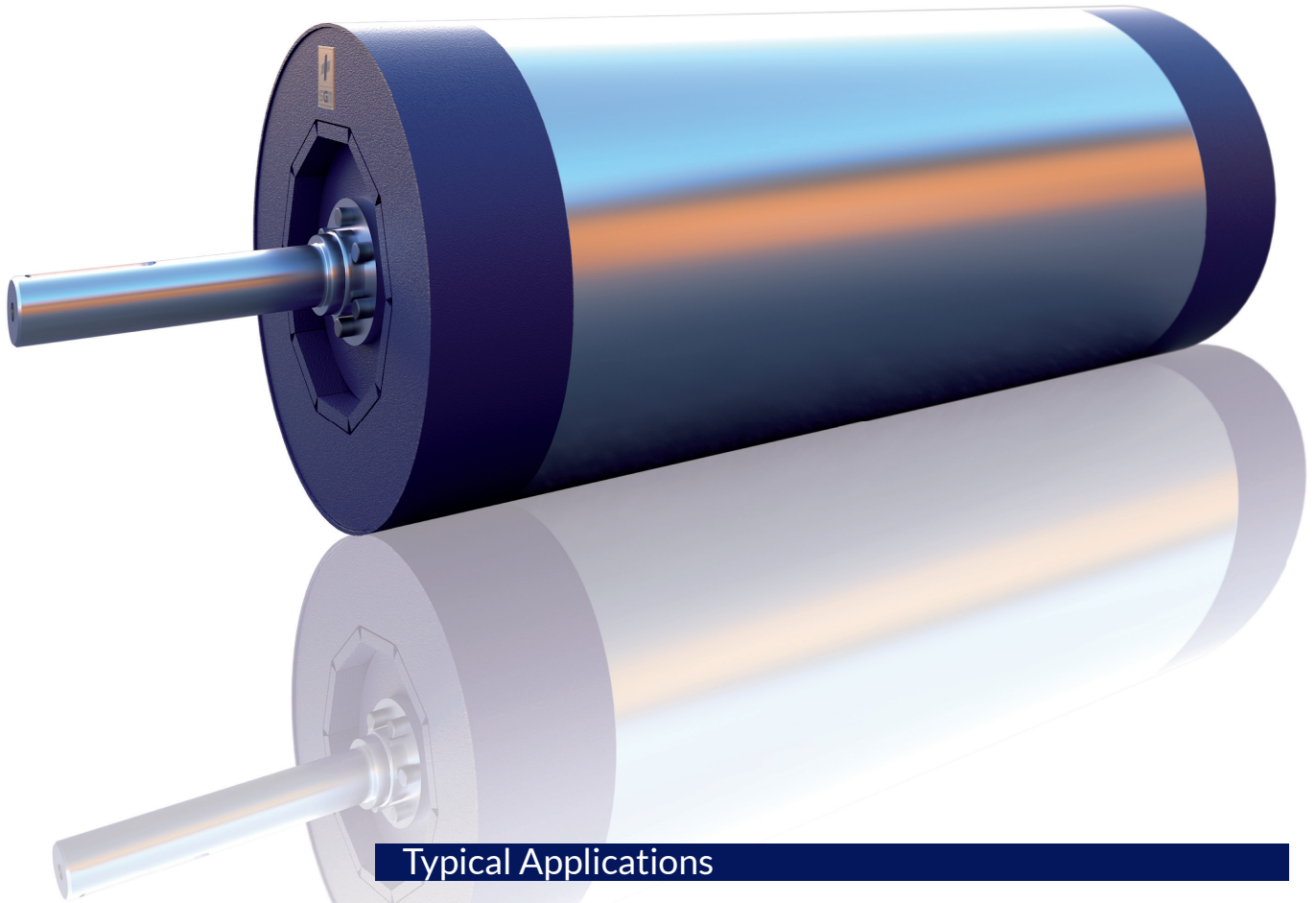


Pulley Magnet Separator

Model PLP

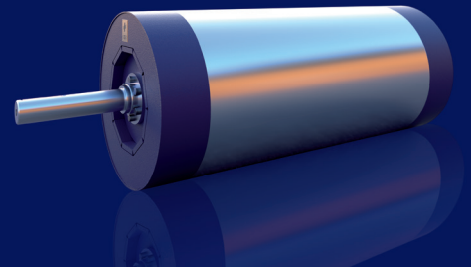
*US Patent: US7564333 B2



Typical Applications

- Auto shredder residue
 - Demolition rubbles
 - Slag
 - Foundry sand
 - Incinerated domestic waste ash
 - Municipal solid waste (MSW)
 - Wood scrap
 - Glass scrap
 - Electronic scrap (WEEE)
 - Minerals
 - Any application where material travels on a conveyor belt with a need for ferrous removal
-

Pulley Magnet Separator Model PLP



Technical Specifications

The SGM Head Pulley Magnet separators (PLP) are used in many industries for many applications where there is a need for removing tramp iron and fine iron from a material traveling on a conveyor belt.

Therefore, pulley magnets are characterized by the fact of being magnetically active on 360° of their surface. Non-magnetic material is discharged over the head pulley magnet as per its natural ballistic trajectory while iron is held by the pulley magnet and discharged on a shorter trajectory.

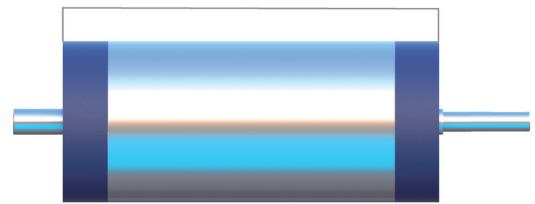
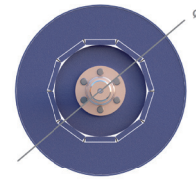
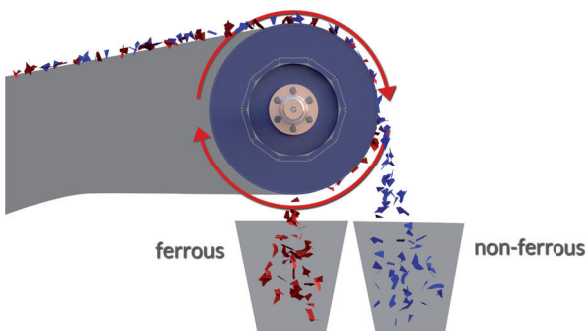
Robust mechanical design for industrial use. Available in multiple diameters and widths offering easy installation and/or retrofit.

Unlike suspension magnets that work from a distance, head pulley magnets work at contact with the material they process and can achieve high performance ferrous removal.

The SGM PLP are offered with three different permanent magnet circuits featuring a uniform attraction on their full width. The choice between the different magnetic circuits is mainly based on maximum burden depth of the material to be processed along with minimum and maximum sizes of the tramp iron pieces and belt speed.

For the most appropriate choice of your PLP, contact SGM for recommendations.

1. High Gradient Circuit (HG) made of Ferrite permanent magnet blocks for burden depth up to 150mm (6").
2. Very High Gradient (VHG) made of a unique proprietary* combination of Neodymium and Ferrite permanent magnet blocks for burden depth up to 80mm (3"), where the Neodymium permanent magnets contribute to the strong attraction (gradient), while the Ferrite magnet still guarantee a deep attraction.
3. Ultra High Circuit (UHG) made of Neodymium permanent magnet blocks for burden depth up to 40 mm (1 ½").



MODEL	DIAMETER mm	LENGTH mm	SHAFT Ø mm
PLP 32/55	320	550	Ø 50
PLP 32/65	320	650	Ø 50
PLP 32/75	320	750	Ø 50
PLP 32/85	320	850	Ø 50
PLP 32/95	320	950	Ø 55
PLP 32/105	320	1050	Ø 55
PLP 32/110	320	1100	Ø 60
PLP 32/115	320	1150	Ø 60
PLP 32/120	320	1120	Ø 60
PLP 32/125	320	1125	Ø 60
PLP 32/140	320	1140	Ø 60
PLP 32/155	320	1155	Ø 60
PLP 32/165	320	1165	Ø 60
PLP 40/55	406	550	Ø 45
PLP 40/65	406	650	Ø 45
PLP 40/75	406	750	Ø 65
PLP 40/85	406	850	Ø 65
PLP 40/95	406	950	Ø 65
PLP 40/105	406	1050	Ø 70
PLP 40/115	406	1150	Ø 70
PLP 40/125	406	1125	Ø 70
PLP 40/135	406	1135	Ø 70
PLP 40/145	406	1145	Ø 70
PLP 40/155	406	1155	Ø 70
PLP 40/165	406	1165	Ø 70
PLP 40/205	406	2050	Ø 70
PLP 50/85	508	850	Ø 70
PLP 50/105	508	1050	Ø 90
PLP 50/115	508	1250	Ø 90
PLP 50/120	508	1120	Ø 100
PLP 60/97	610	970	Ø 100
PLP 60/128	610	1280	Ø 100
PLP 60/130	610	1300	Ø 100
PLP 60/157	610	1570	Ø 100



SGM Magnetica SpA

Separation and Recycling

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