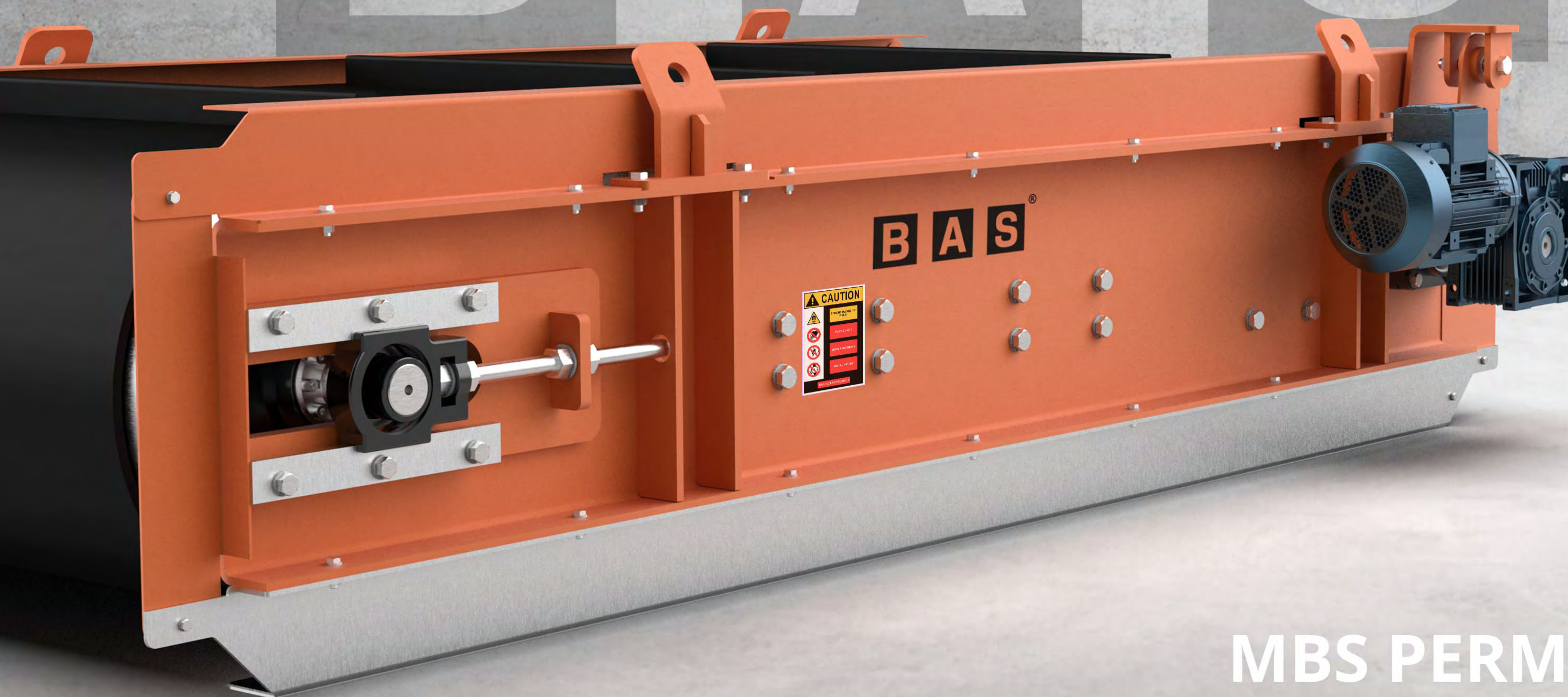




BAS



**MBS PERMANENT
MAGNETIC OVERBAND
METAL SEPARATORS**



bas-tr.com

MBS PERMANENT MAGNETIC OVERBAND METAL SEPARATORS



MBS-M-800 PET recycling application

BAS® Permanent magnetic overband metal separators are used for ferrous metal separation from the raw materials inside of conveyors and chutes as a standard. Belt magnets consist of main magnetic block, endless separator band, motor, drive drums and magnetic insulated steel armours. MBS series magnetic separators steel armour has magnetic insulation and metals are not effected MBS's around magnetic area. MBS serie overband magnetic separator has different variations as MBS-E, MBS-S, MBS-K, MBS-M, MBS-L and MBS-H depend on occured magnetic intensity and related capacity.

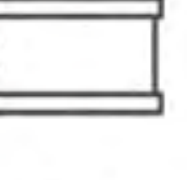
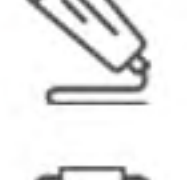
MBS-MOB series magnetic separators are specially designed for mobile applications.

For more videos
please check out

 channel;



features

-  1 and 2 poles magnetic area
-  Magnetic isolated armour
-  Simple design with just two drums
-  Automatic bearing features
-  5 year magnetic intensity guarantee
-  All safety armour

structure

The main magnetic block consists of Y35 4.400 Gauss magnetic intensity Ferrite magnets or N52 14.400 Gauss Neodymium magnet blocks. If the magnetic block is protected from high temperature and mechanical breaks, magnets can service without any magnetic deviation for many years. Permanent magnetic separators consist of main magnetic block, endless belt, steel armour, drive drums and motor. MBS type metal separators have magnetic field strength directly related with the magnetic block volume.

Magnetic block is designed according below parameters

- > application type
- > suspension distance
- > separated ferrous metal geometry

It can be manufactured as single or two pole.

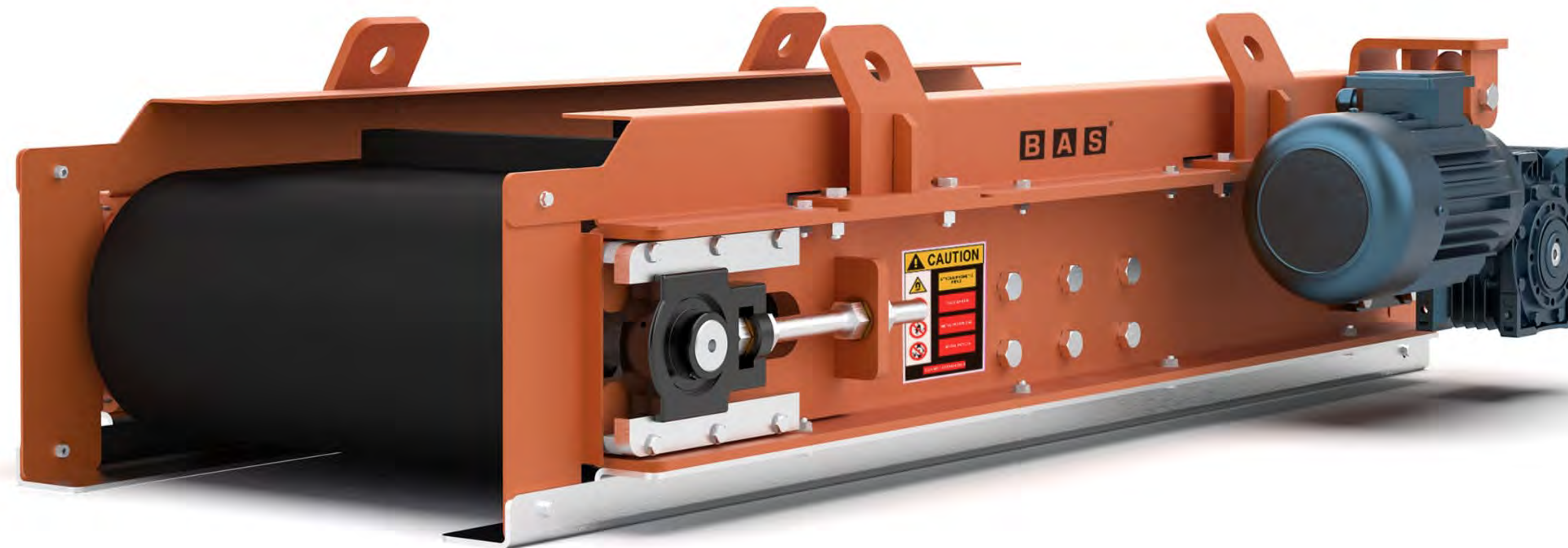
In both parameters, MBS Series magnetic separators have a fully insulated steel chassis.



MBS-L-100 Standard
solid waste recycling application

Some separated ferrous metals

Permanent magnetic overband metal separator principles;



In crossbelt or inline applications the length of the metal separator's magnetic block should be as long as the minimum conveyor width.

Magnetic separator has one drive drum, one idley drum. With idley drum belt strength can be adjusted and taken the system safety.

Two side chutes do not allow the metals can enter between block and belt.

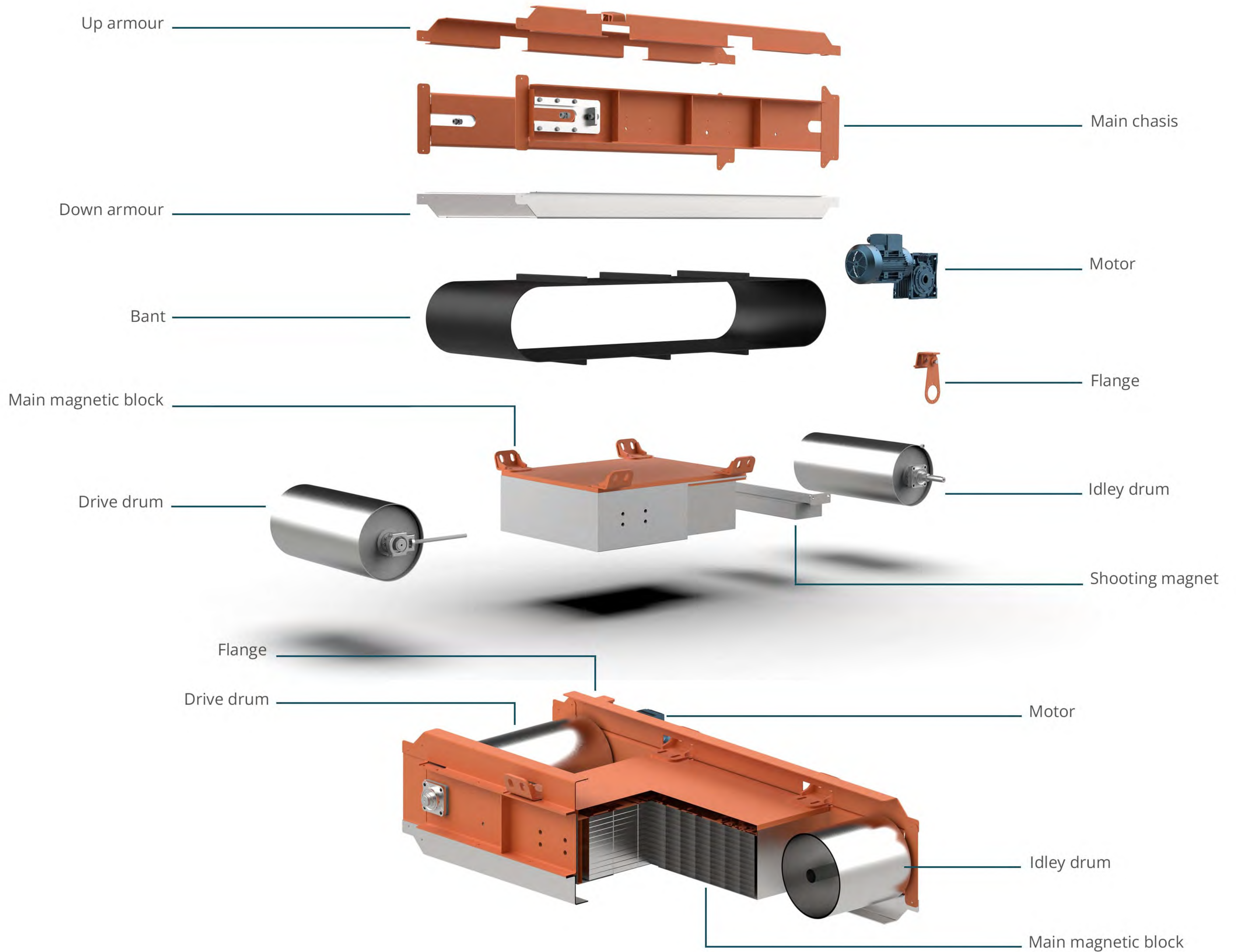
Flange mounted belt motor serves directly drum rpm. Drums and drum shafts can be service easily with service kit.

application

- Magnetic overband metal separators can be installed in parallel or crossbelt type.
- In both type separators can be mounted up to 40 degree.
- Separator should be positioned that metals are thrown to the out of belt.

separator elements

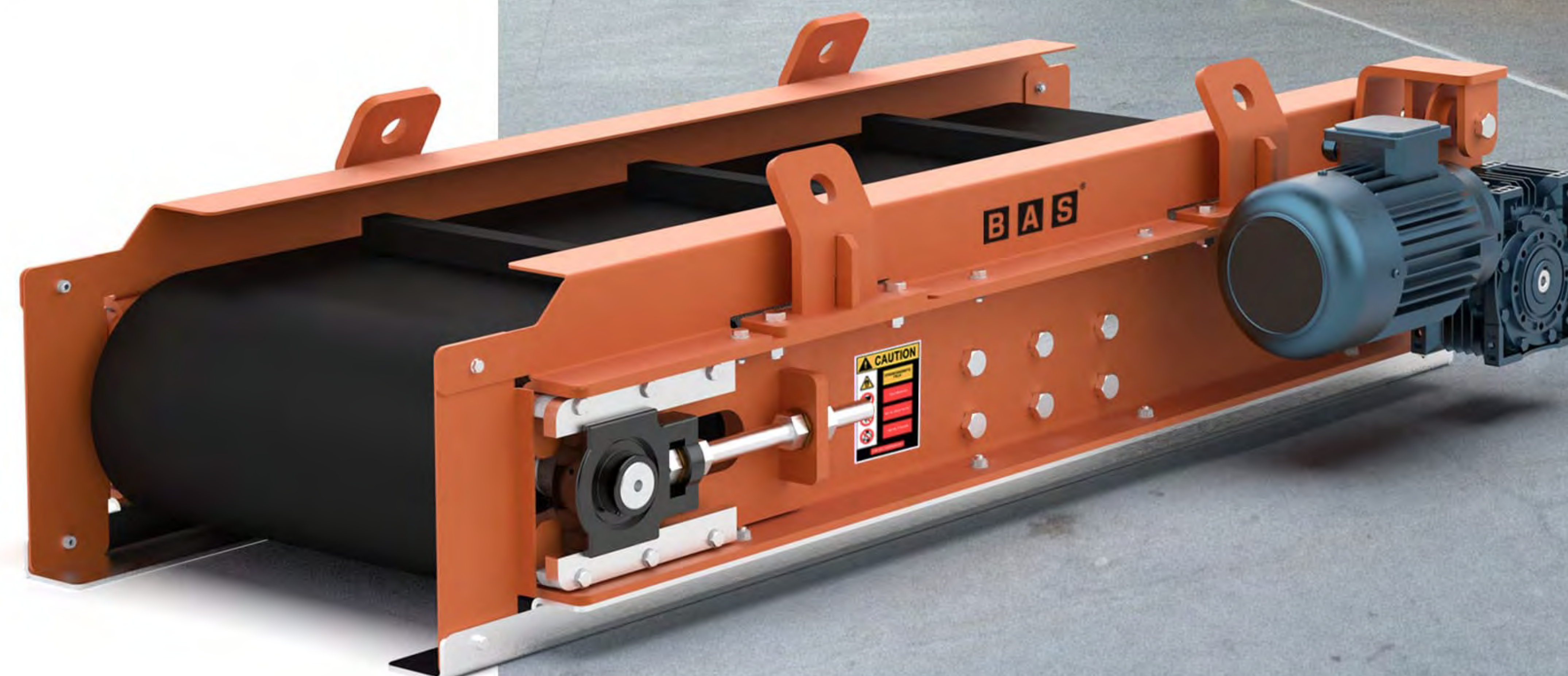
cutaway



MBS-E / MBS-S

Permanent Magnetic Overband Metal Separators

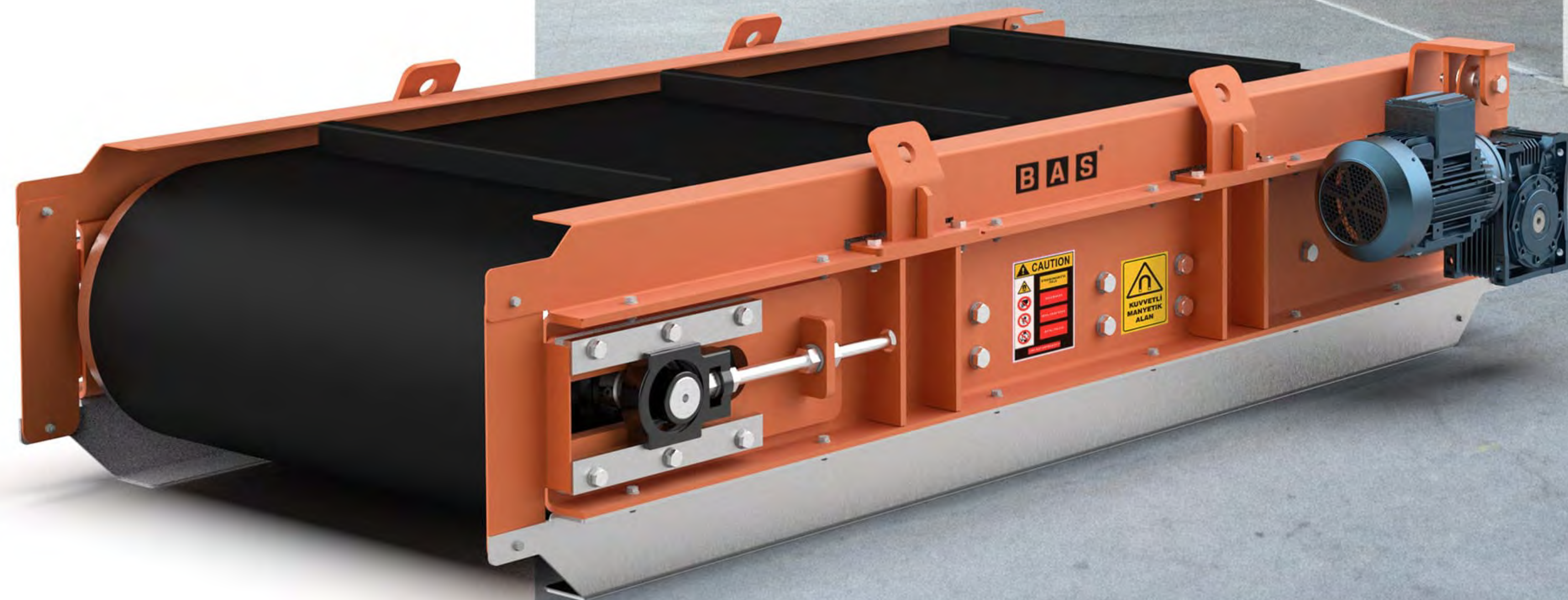
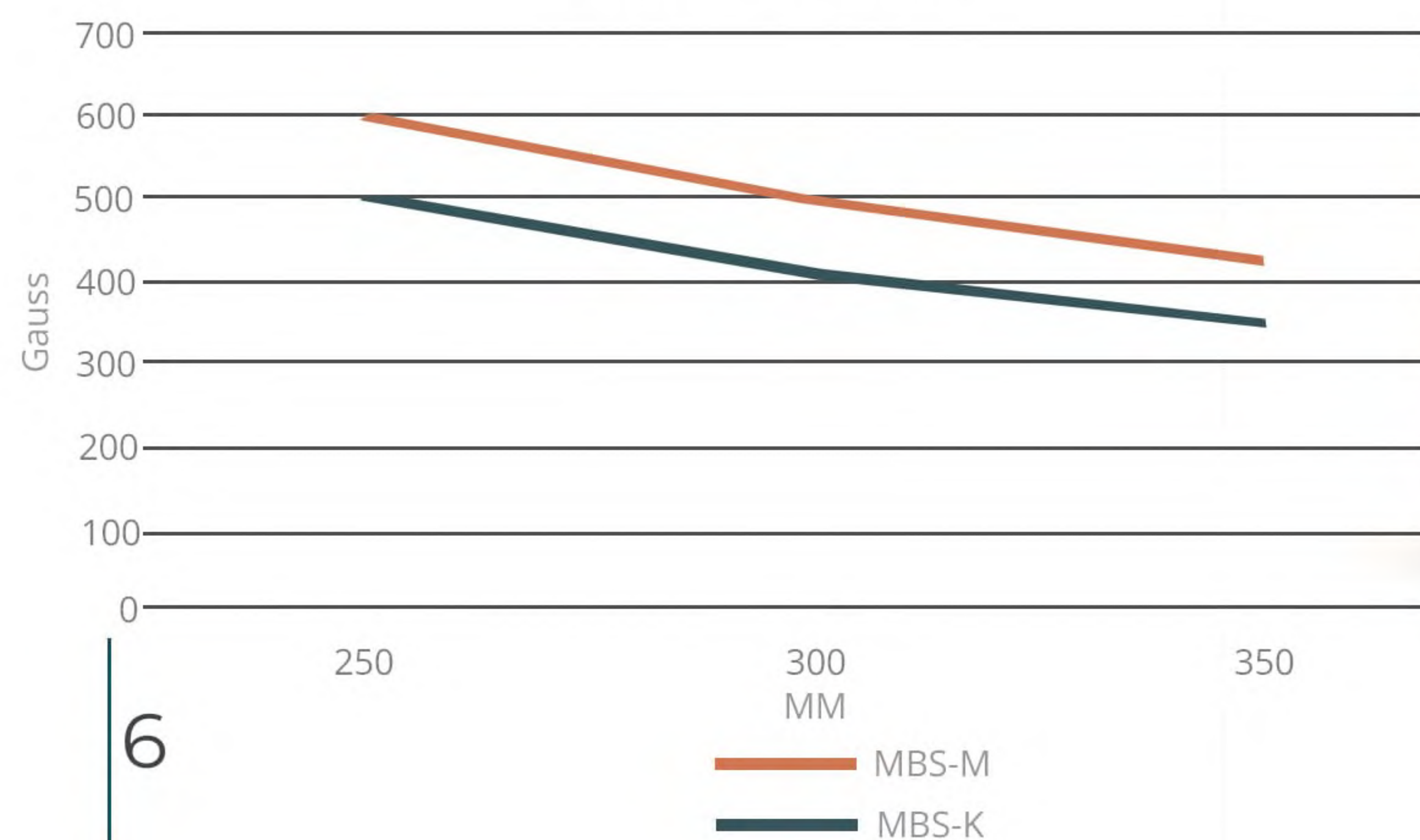
MBS-E and MBS-S serie permant magnetic overband metal separators are preferred for max 100mm burden depth material carried conveyor applications. In both applications separator has compact design. Main components are electrical motor, two drums, main magneticblock, steel armours and protection stainless steel armours. Beucause of the magnetic volume and application type, this model has just one pole magnetic block. E and S serie separators has 350 Gauss magnetic intensity at 250mm hanging distance.



MBS-K / MBS-M Permanent Magnetic Overband Metal Separators

MBS-K and MBS-M serie permant magnetic overband metal separators are preferred for max 150mm burden depth material carried conveyor applications. In both applications separator has compact design. Main components are electrical motor, two drums, main magnetic block, steel armours and protection stainless steel armours. This model has one and two pole magnetic block. K and M serie separators has 500 Gauss magnetic intensity at 250mm hanging distance.

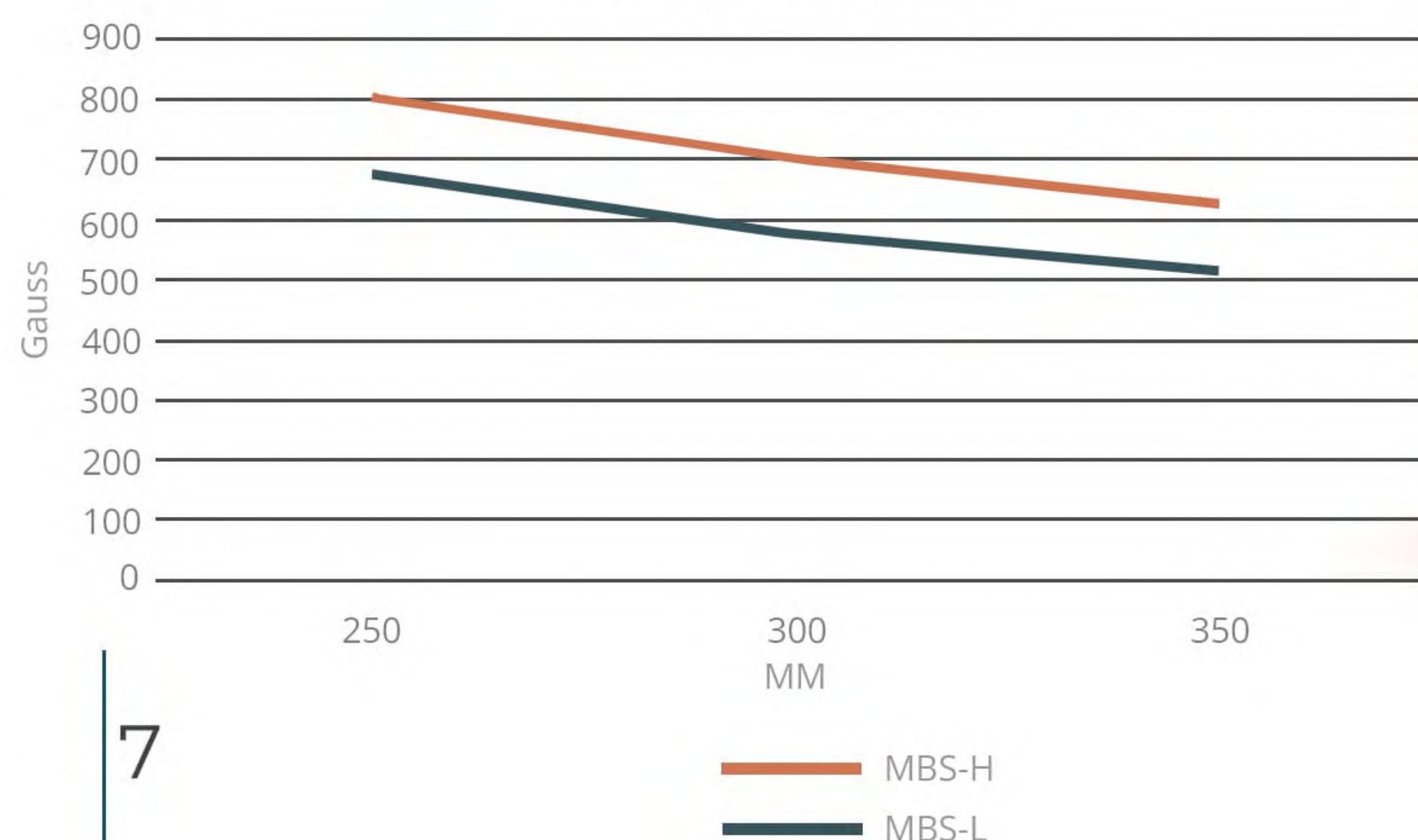
Gauss - Distance



MBS-H / MBS-L Permanent Magnetic Overband Metal Separators

MBS-H and MBS-L serie permant magnetic overband metal separators are preferred for max 250mm burden depth material carried conveyor applcations. In both applications separator has compact design. Main components are electrical motor, two drums, main magnetic block, steel armours and protection stainless steel armours. This model has one and two pole magnetic block. H and L serie separators has 700 Gauss magnetic intensity at 250mm hanging distance.

Gauss - Distance

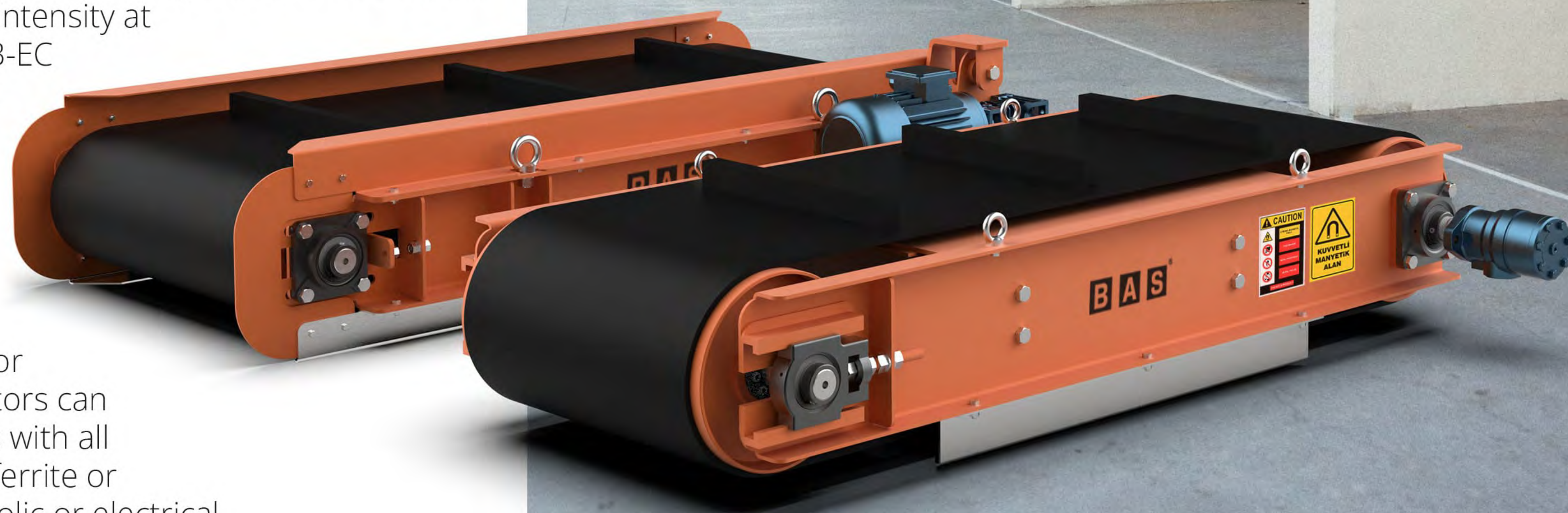


MBS-MOB / MBS-MOB-EC

Mobile Permanent Magnetic Overband Metal Separators

MBS-MOB serie permant magnetic overband metal separators are lightest separators in MBS serie. This serie magnets are designed only for mobile and faster belt speed applications. MBS-MOB serie separators preferred for max 150mm burden depth material carried conveyor applications. In both applications separator has compact design. Main components are motor, two drums, main magnetic block, steel armours and protection stainless steel armours. MBS-MOB has magnetic isolated armour. MBS-MOB-EC serie separators have one magnetic pole, MBS-MOB has two magnetic poles and has neodymium magnetic block variation. MBS-MOB has 600 Gauss magnetic intensity at 200mm hanging distance. MBS-MOB-EC has 500 Gauss magnetic intensity at 200mm hanging distance.

MBS-MOB-EC series separators are economical model for mobile applications. This serie is suitable for low burden depth height conveyor applications. MBS-MOB type separators can serve for all kind mobile applications with all functions, two pole magnetism and ferrite or neodymium magnets. Belt motor can be hydrolic or electrical.



MBS-S-1000



MBS-E-800



MBS-M-1200



Casting plant ferrous metal separation
with MBS-M-1000 over the sand conveyor



PET cap recycling plant
ferrous metal separation with MBS-M-650



Waste tire recycling plant
ferrous metal separation with MB-M-800



Waste tire recycling plant
ferrous metal separation with MB-M-800

model series

MAGNET TYPE	MODEL	CONVEYOR WIDTH	MAGNET BLOCK DIMENSIONS	SEP. BELT SPEED	APPLICATION DISTANCE	ELECTRICAL MOTOR	HYDROLIC MOTOR
FERRITE	MBS- E-650	650	880x450x240	1.76 m/s	220	1,1	NA
FERRITE	MBS-E-800	800	1010x450x240	1.76 m/s	220	1,1	NA
FERRITE	MBS-E-1000	1000	1200x450x240	1.76 m/s	220	1,5	NA
FERRITE	MBS-E-1200	1200	1400x450x240	1.76 m/s	220	1,5	NA
FERRITE	MBS-E-1400	1400	1600x450x240	1.76 m/s	220	1,5	NA
FERRITE	MBS- S-650	650	880x750x274	1.64 m/s	270	1,1	NA
FERRITE	MBS-S-800	800	1010x750x274	1.64 m/s	270	1,5	NA
FERRITE	MBS-S-1000	1000	1200x750x274	1.64 m/s	270	2,2	NA
FERRITE	MBS-S-1200	1200	1400x750x274	1.64 m/s	270	2,2	NA
FERRITE	MBS-S-1400	1400	1600x750x274	1.64 m/s	270	2,2	NA
FERRITE	MBS- K-650	650	880x750x300	1.79 m/s	300	1,1	NA
FERRITE	MBS-K-800	800	1010x750x300	1.79 m/s	300	1,5	NA
FERRITE	MBS-K-1000	1000	1200x750x300	1.79 m/s	300	2,2	NA
FERRITE	MBS-K-1200	1200	1400x750x300	1.79 m/s	300	2,2	NA
FERRITE	MBS-K-1400	1400	1600x750x300	1.79 m/s	300	2,2	NA
FERRITE	MBS- M-800	800	1010x910x310	1.79 m/s	320	2,2	NA
FERRITE	MBS-M-1000	1000	1200x910x310	1.79 m/s	320	2,2	NA
FERRITE	MBS-M-1200	1200	1400x910x310	1.79 m/s	320	2,2	NA
FERRITE	MBS-M-1400	1400	1600x910x310	1.79 m/s	320	3,0	NA
FERRITE	MBS-M-1600	1600	1800x910x310	1.79 m/s	320	3,0	NA
FERRITE	MBS- L-800	800	1010x910x360	1.54 m/s	350	3,0	NA
FERRITE	MBS-L-1000	1000	1200x910x360	1.54 m/s	350	3,0	NA
FERRITE	MBS-L-1200	1200	1400x910x360	1.54 m/s	350	3,0	NA
FERRITE	MBS-L-1400	1400	1600x910x360	1.54 m/s	350	3,0	NA
FERRITE	MBS-L-1600	1600	1800x910x360	1.54 m/s	350	3,0	NA
FERRITE	MBS-H-1000	1000	1200x1060x420	1.74 m/s	400	3,0	NA
FERRITE	MBS-H-1200	1200	1400x1060x420	1.74 m/s	400	3,0	NA
FERRITE	MBS-H-1400	1400	1600x1060x420	1.74 m/s	400	3,0	NA
FERRITE	MBS-H-1600	1600	1800x1060x420	1.74 m/s	400	3,0	NA
FERRITE	MBS-MOB-1000-FE	1000	570X1050X210	1.76 m/s	250	2,2	APPLICABLE
NEODYMIUM	MBS-MOB-1000-ND	1000	600X1000X80	1.76 m/s	250	2,2	APPLICABLE
FERRITE	MBS-MOB-1200-FE	1200	770X1220X260	1.76 m/s	250	2,2	APPLICABLE
NEODYMIUM	MBS-MOB-12000-ND	1200	7200X1200X80	1.76 m/s	250	2,2	APPLICABLE
FERRITE	MBS-MOB-1400-FE	1400	870X1380X260	1.76 m/s	250	3,0	APPLICABLE
NEODYMIUM	MBS-MOB-1400-ND	1400	850X1400X80	1.76 m/s	250	2,2	APPLICABLE
FERRITE	MBS-MOB-800-EC	800	700X700X230	1.76 m/s	250	2,2	APPLICABLE



BAS three letters that makes our mission as a beneficiation solution maker and separation technologies represent three main headings.

Beneficiation: Ore beneficiation systems

Application: Field application abilities

Separation: Separation technologies of ore or recycling raw materials

BAS caters to all possible recycling and ore beneficiation processes all around the world with 2 factories in total 40,000 m2 and more than 500 employees. BAS offers ore beneficiation turnkey solutions, high-tech separation and field applications with its own engineering and laboratory. BAS is responsible for all ore mineralogy, production engineering & design from laboratory work to production. Together with the laboratory service, it works on all possibilities on the ore and optimizes the solution. In separation solutions, it performs on limited lab & pilot-scale preview of the methods to be applied and provides field applications.

As BAS that we are a fair team that works with passion and strive for excellence. And applies the right engineering solutions in the field.

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