

Components & Parts

Experience matters

1991 Founded as RETEK Goslar Recycling GmbH as spin-off from German ore mining company **PREUSSAG** AG – Germany, first solutions for recycling of WEEE development of delamination systems for compound materials to recover and separate metals

2007 Take over by E-Waste Solutions Inc. Canada, driven by Alfred Hamsch former owner and president of **GEEP** – Canada (Global Electric and Electronic Processing Inc., Barrie, Ontario, Canada)

2008 Renaming to RETEK Engineering GmbH, adaptation of technology to compound materials like e.g. mixed metal scrap.

2013 Renaming to UMS – Urban Mining Solutions GmbH

2014 Founding of Mesatex as production center on loan basis and as UMS development and testing center



Since machines were not available on the market or did not meet the requirements, UMS developed and continues to develop its own components and solutions to increase the efficiency of material processing and separation.

UMS extended this even to operational parts based on its own processing and operational know-how experienced during running Mesatex production center.

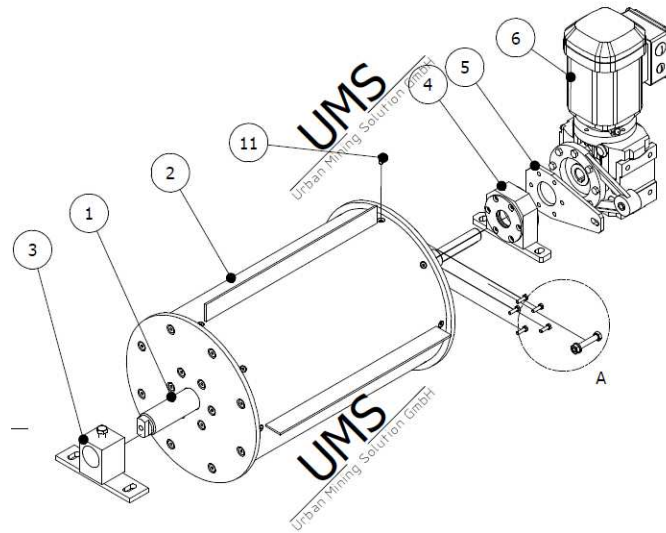
UMS – DMS Drum Magnet Separator



Drum Magnet Separator (DMS)

The DMS extracts finer magnetizable components from a material stream.

UMS has developed its own Drum Magnet Separator, since no product was available on the market fulfilling our requirements at the time.



Our drum magnet separators are available from 400 to 2,000 mm working width. The magnetic strength is selected according to the task and requirements. With the strongest magnets we apply to the DMS yields of more than 12,000 Gauss are achieved.

The best sorting results for separating magnetizable materials require an optimized material feed, an even and single layer distribution to the DMS. UMS is in the position to provide its own proven solutions for this.

A combination of overbelt-, drum magnet separators and sometimes completed with other separation aggregates result in ferrous

fractions with high purity, mixed copper-ferrous fractions and even stainless steel fractions and finally to increased added value.

Technical data

Model	Working width (mm)	Diameter (mm)	Different magnetic strengths available	Drive kW at 400 V	Weight kg approx.
DMS 400	400	320	Yes	0.55	160
DSM 500	500	320	Yes	0.55	200
DSM 600	600	320	Yes	0.55	220
DSM 800	800	320	Yes	0.75	250
DSM 1000	1,000	320	Yes	0.75	270
DSM 1400	1,400	320	Yes	0.75	330

other dimensions are available on request

We offer the DSM as single machines. Extension of or integration into your operating system is also possible.

How to Proceed

If you request an offer or want to purchase a Drum Magnet Separator (DMS) directly, please contact our department for component and parts as follows

phone: +49 (0) 21 91 / 422 22 64

email: parts@urbamine.de