

# Components & Parts

## Experience matters

- Year 1991, Founded as RETEK Goslar Recycling GmbH as spin-off from German ore mining company PREUSSAG, first solutions for recycling of WEEE development of delamination systems for compound materials to recover and separate metals
- Year 2007, Take over by E-Waste Solutions Inc. Canada, driven by Alfred Hamsch former owner and president of GEEP (Global Electric and Electronic Processing Inc., Barrie, Ontario, Canada),
- Year 2008, Renaming to RETEK Engineering GmbH adaptation of technology to compound materials like e.g. mixed metal scrap, ASR Auto Shredder Residuals etc.
- Year 2013, Renaming to UMS – Urban Mining Solutions GmbH
- Year 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.

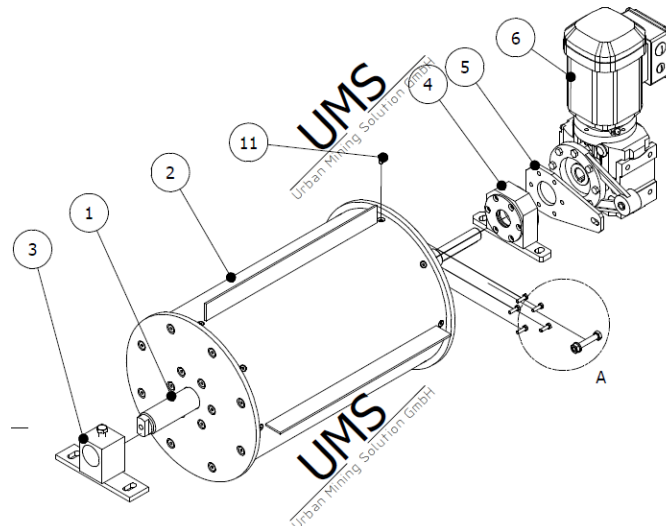
## Drum Magnet Separator (DMS)



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A DMS separates material streams containing very low-magnetic and magnetic parts.

In order to separate different materials e.g. iron fractions or even stainless steel fractions from a material stream the DMS is available in a wide range of magnetic strengths.



To ensure the separation of different ferritic fractions (e. g. iron, copper-iron fractions, magnetic stainless etc.) with high purity from the material stream the DMS can be combined with UMS Over-belt Magnet Separators (OMS).

To achieve a high-purity output fraction an optimized material feeding system is required. The best sorting results are achieved in combination with an optimized material feeding system ensuring an even distribution to the DMS.

UMS is in the position to supply a standardized feeding system or design a feeding system to your requirements.

### 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 DMS directly, please contact our department for component and parts as follows

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

email: [parts@urbamine.de](mailto:parts@urbamine.de)