



TREATMENT OF REFUSE-DERIVED FUELS

Refuse-derived fuels (RDFs) are fuels demary industry or in the energy generation

Refuse-derived fuels can be distinguished

CATEGORY 1: types of waste that are biological treatment. initially recovered as a mono-fraction without major treatment measures.

CATEGORY 2: high-calorific waste Household-type commercial and, propre-treatment plants, LVP sorting residual industrial and commercial waste,

The materials processed by our systems come predominantly from the second

THIS IS DOPPSTADT

Headquartered in Velbert, Germany, the Doppstadt family firm was founded in 1965. While the company has its origins in developing agricultural machinery, Doppstadt today is a leading, globally active solutions and services provider in all areas of recycling/environmental technology and recyclables extraction.

"Best Solution. Smart Recycling." -With this as our guiding principle, we combine proven processes to create customised end-to-end solutions characterised by innovative processes, optimum efficiency, and maximum cost-effectiveness. Particularly in the areas of water-based separation systems and wet recycling, we impress

our customers by providing flexible systems to tackle every challenge. With locations in Velbert, Wülfrath, Calbe, and Wilsdruff, Germany, we serve customers in more than 40 countries through our own dealer network and offer comprehensive services for every product in Doppstadt's unique



At a glance:

REFUSE-DERIVED FUELS Produced with different extents of treatment.



Suitable material for SRF main burners Particle size < 30 mm High specific properties

EXAMPLE SYSTEM

Shredder -> ferrous metal separator -> screener -> wind sifter -> grinder



OUTPUT < 100 mm

Suitable material for RDF calciner Particle size < 100 mm Low specific properties

EXAMPLE SYSTEM

Shredder -> ferrous metal separator -> screener -> wind sifter -> grinder



OUTPUT < 300 mm

Refuse-derived fuel for power plants < 300 mm Low quality

EXAMPLE SYSTEM

Shredder -> ferrous metal separator



REFUSE-DERIVED FUELS PROCESS DESCRIPTION



REFUSE-DERIVED FUELS

THE PRODUCT CHAIN

GENERAL VIEW OF MACHINES



SHREDDING



SEPARATION/SCREENING



SEPARATION/SCREENING



WINDSIFTING



GRINDING

SLOW SPEED SHREDDER LINE





WINDSIFTER LINE



GRINDER / MID SPEED SHREDDER LINE



MOBILE

METHOR



INVENTHOR Type 6 INVENTHOR Type 9



518

518 FLEX



SM 518.2 SM 620 Plus SM 620 K Plus SM 620 SA Plus SM 720 SA Plus



DST

Star screen deck



AirFlex 1500

AK

AK 315 AK 565 AK 565 K AK 565 Plus AK 640 K AK 640 SA

STATIONARY

CERON

CERON Type 206 CERON Type 256 CERON Type 306 CERON Type 308

DW 2060 E



Further processing

SM 518 F

SM

SM 518 A SST 518 SST 720 SM 620 A SST 725 SST 1025 SST 1525

SST



Further processing

WS

WS 1001 WS 1501 WS 2001 WS 2501

WS 3001



AK 640 VE AK 640 L VE NZ 180 VE

AK

AK 235 E

AK 440 VE

AK 540 VE

CURO CURO Type 250

KIMO

KIMO Type 16

KIMO Type 20



Further processing



Further processing



Further processing

REFUSE-DERIVED FUELS **GENERAL VIEW OF MACHINES**



Refuse-derived fuel treatment with Doppstadt means:

- Highest availability of the individual components guarantees the highest availability of the entire system
- Low-maintenance machines increase productivity in the long run
- Best quality shredding for optimal throughput and very economical costs





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