

SPLITTER®



GÜNTHER

Andreas Nitzsche, October, 2021



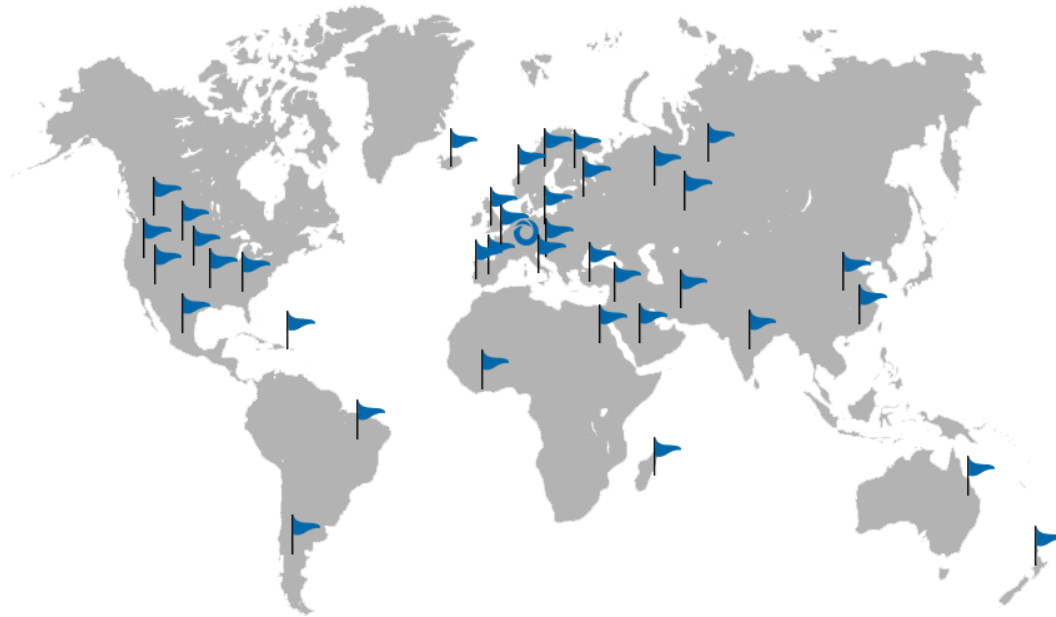
Recycling- Technik

Der andere, bessere Weg
zur Lösung.

Recycling- Technology

The other, better way to
solution.

Company Anlagenbau Günther



- Company Günther is a family owned company and was founded in 1924
- Located in the center of Germany approx. 100 km in the north of Frankfurt/Main
- We are more than 120 employees
- We have partners at USA, Mexico, South America, Arabic countries, China, India and Australia. In Europe we take care by ourself.



🕒 **Product range:**

- 🕒 Storage hoppers, conveyors, screens, separating technology, electrical control systems up to turnkey plants
- 🕒 Machines are available in stationary or mobile version
- 🕒 SPLITTER® production started in 2010.

Since then we have patents on the SPLITTER® system and a lot of references all over the world.



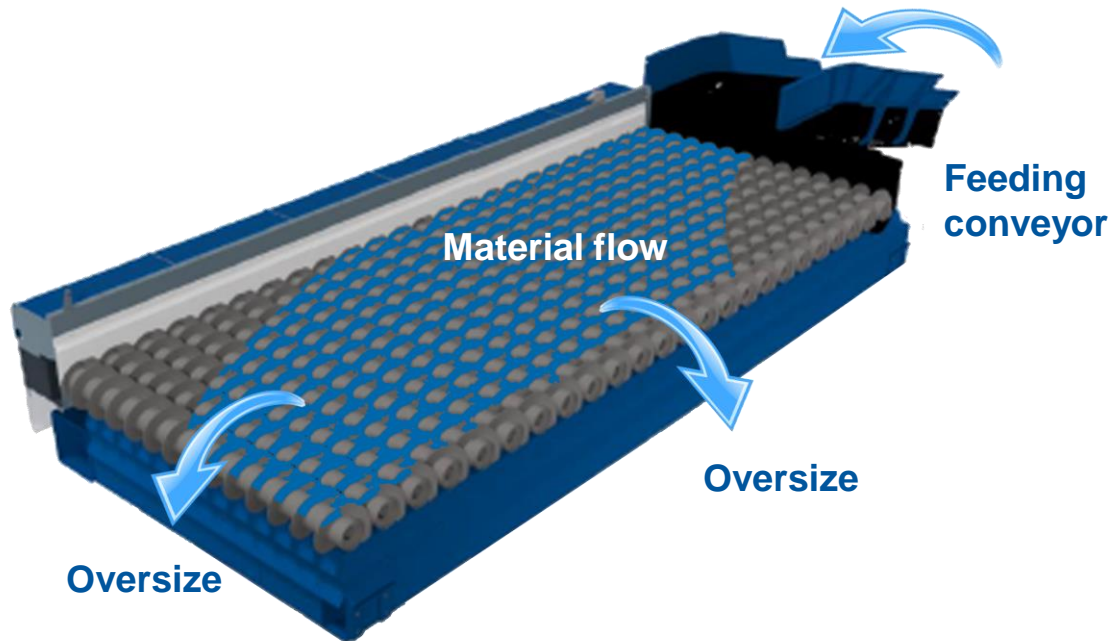
Patented SPLITTER screening technology

Unique combination of runway effects with Archimedean spirals ensures simultaneous lateral (a) and axial (b) distribution of the material to be screened.



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Patented SPLITTER technology



Unique features

- Dynamic screen system
> quality and quantity of the material increased
- System can also work without shredder/bag opener
- Shafts are specially supported only on one side
> low wear and maintenance
- Interlock screws for the material transport
- Nearly blockage free system
> handling of long fibers; process reliability
- Gentle operation > no glass breaking

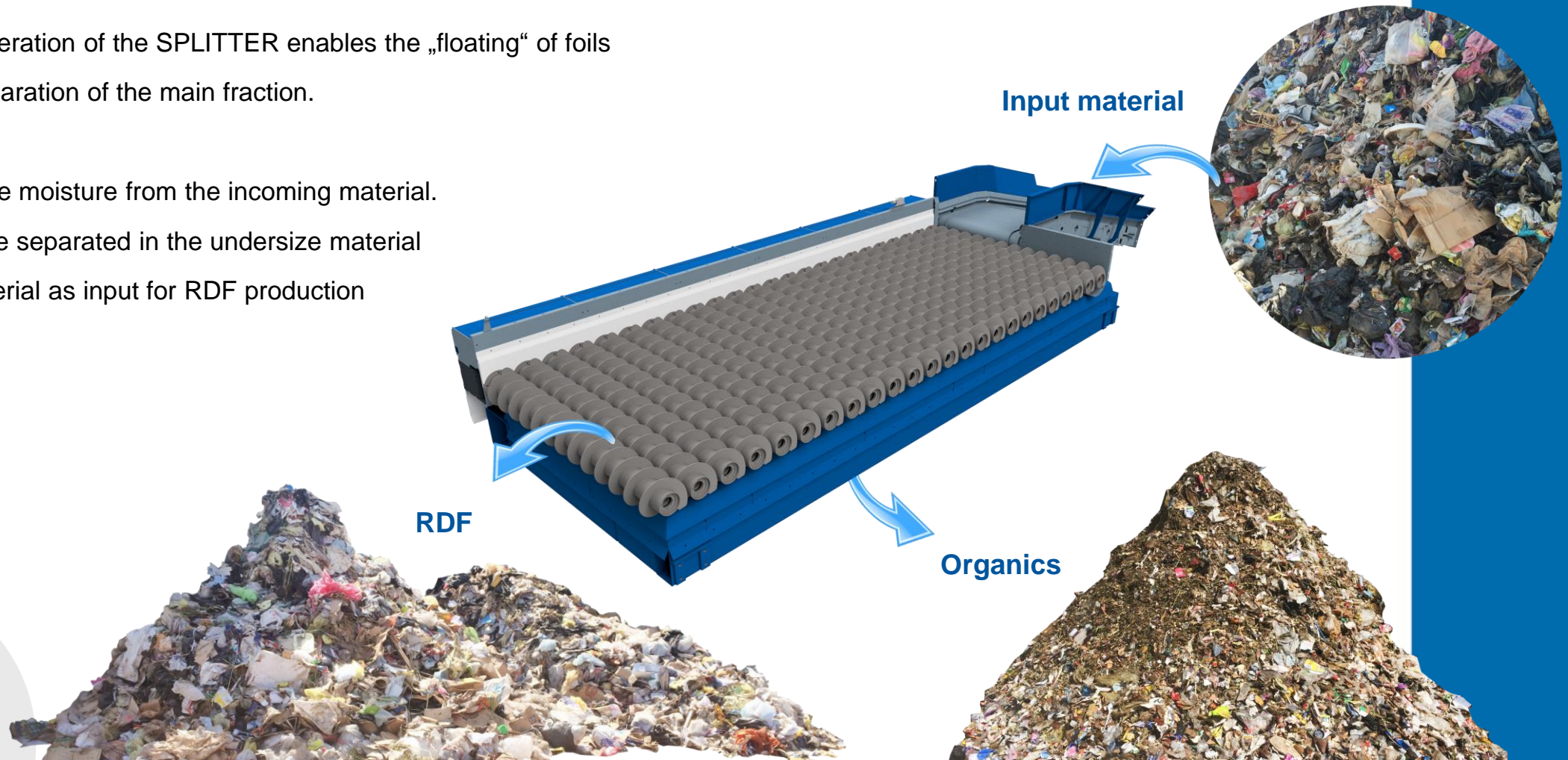


- MSW, commercial and industrial waste, bulky waste (unground input possible)
- Packaging material, RDF production
- Bio waste, waste wood, green waste
- C&D, stones and soil or clay
- Scrap, slag, metallals
- Landfill deconstruction
- Material from sweepers or vacuum truck



SPLITTER at the beginning of the process to separate the organic

- Classification of the input materials to RDF for a trouble-free operation of the cement kiln.
- The specific operation of the SPLITTER enables the „floating“ of foils
→ effective separation of the main fraction.
- Reduction of the moisture from the incoming material.
> organic will be separated in the undersize material
> oversize material as input for RDF production



Case study Quena Cement Egypt

Advantages of SPLITTER in this project:

- Compact plant concept designed by Company Günther
- Direct installation at landfills or waste transfer plants to enable the preparation of material with high caloric value for RDF production
- Immediately reducing (by around 40%) the volume of received waste

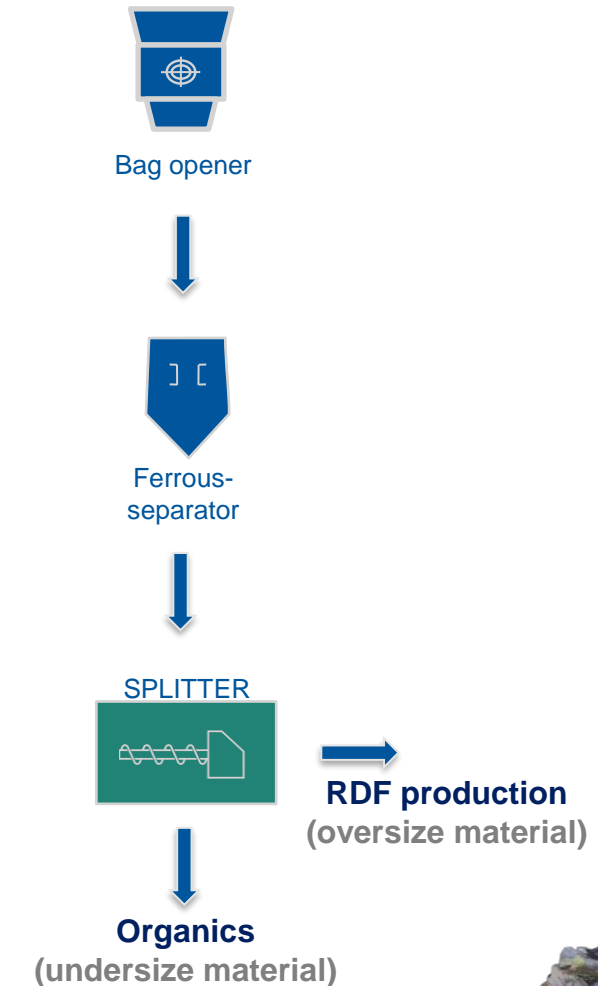


Case study Quena Cement Egypt



- Separation of the oversize material (film) for production of RDF (refuse derived fuel) material, separation of organics from the material

○ Inputmaterial	MSW
○ Moisture of input	35 – 55%
○ Screen cut	80-120 mm
○ Capacity	20 - 25 t/h



Performance of separation systems as primary separation unit

- Fibers, belts and wrapping material create big problems in drum screens and vibration systems

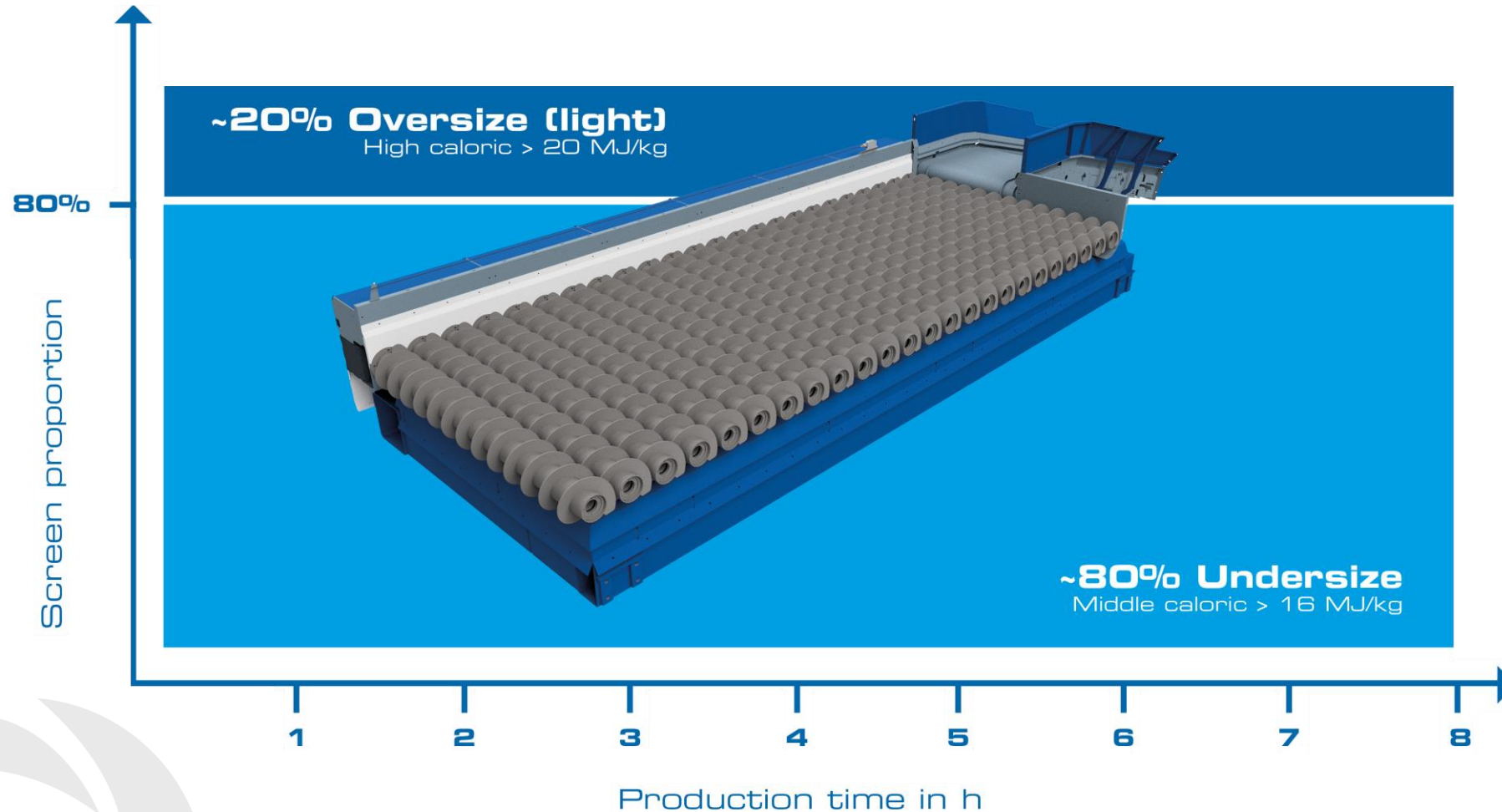




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Performance of the SPLITTER as primary separation unit

Constant separation quality due to self cleaning system



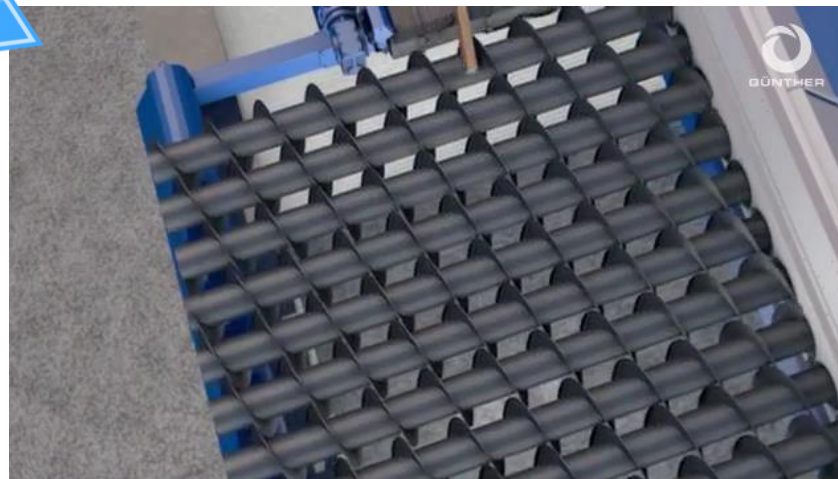
SPLITTER for pre-production material from bypass line

Installation at the end of the process for removal of long parts from the output material



Before

Final product of the plant after the last treatment step – oversize material in the final product can be create blockage in the following burning process



After

After removal of the long parts for a blockage free using of RDF

Thank you for your attention

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