



DOUBLE TROMMEL

screening machines



Screening in 3 fractions

THE INNOVATIVE
double trommel technology
with maximum flexibility



Made in
GERMANY

zemmler.de/en



Double trommel technology



Together

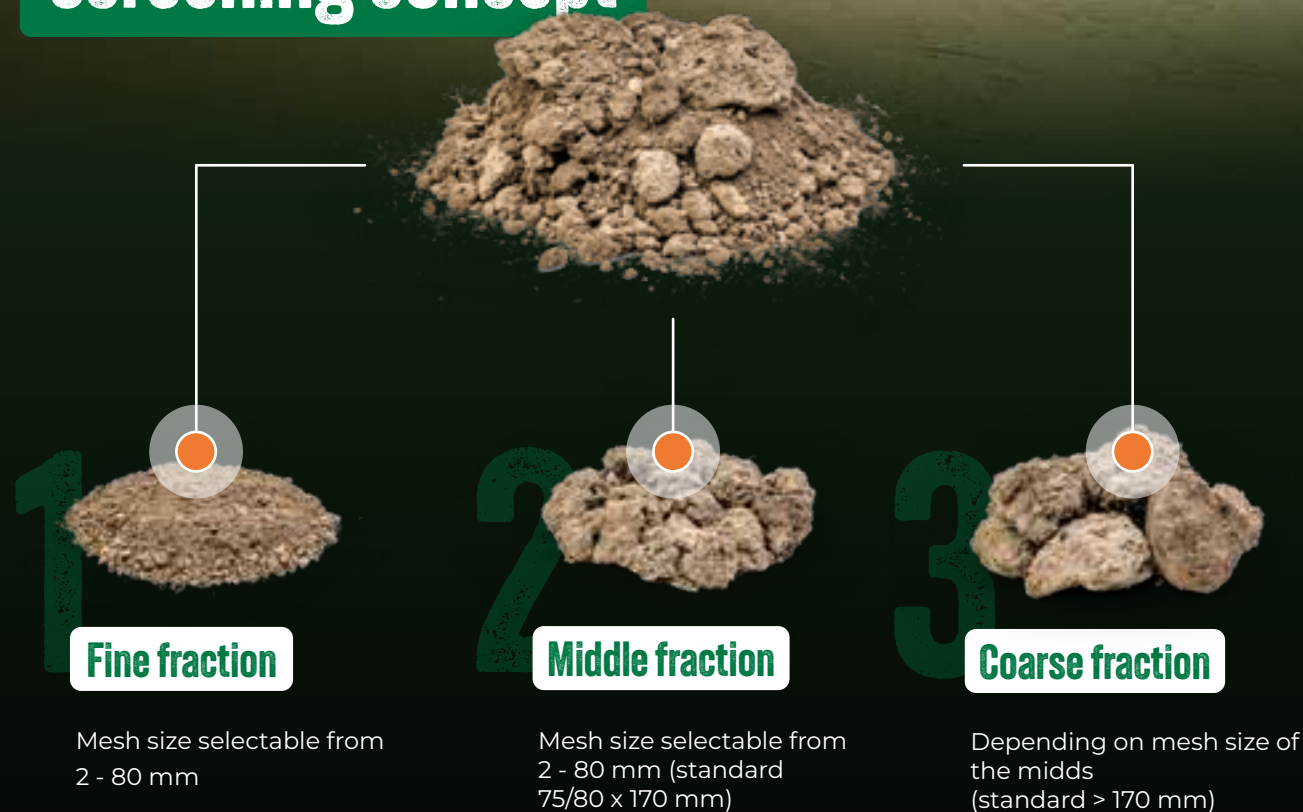
From production to the screening result:
Think green, act sustainably.

Innovative screening technology from Zemmler

The rotating trommel, consisting of an inner and outer trommel, enables efficient screening into three fractions in one operation.

THE ZEMMLER

screening concept



- ✓ **Longevity**
The solid inner trommel protects the outer screens from coarse material and thus ensures the longevity of the screening machine.
- ✓ **Actively utilised screen surface**
The square steel bars and rods of the inner trommel act as carriers and ensure that even highly cohesive, clay-like material and lumps are broken up.
- ✓ **Clean separating cut & fine screening**
Efficient and precise fine screening, as the coarse grain is already separated in the inner trommel, which means that screening of 2 mm is also possible.
- ✓ **More power per metre of trommel surface**
The double-trommel design results in a significantly larger screening surface compared to the single trommel and therefore more output per meter.
- ✓ **More profit, lower disposal costs**
By separating the material into three fractions rather than the conventional two, an additional recoverable end product is produced.
- ✓ **Reduction of processing costs**
The middle fraction can be separated from the fine and coarse components in a single operation, eliminating an additional processing step.
- ✓ **4. Fractioning possible**
By means of a hydraulically folding grid.
- ✓ **Constructive gradient of the trommel**
The constructive gradient of the trommel eliminates the need for a screw conveyor, leaving more screen surface available for utilisation.

Maximum flexibility

according to replaceable wire screen linings

The skeleton of the double trommel forms the technical basis for efficient material processing.

The wire screens can be replaced quickly and without special tools, allowing the mesh size – and thus the cut line – to be precisely adjusted to the screening requirements.



Flexible customisation
Different materials, mesh sizes, wire thicknesses and shapes of the wire screens enable optimum customisation and a precise separating cut.

Quick change without trommel replacement
The screen change function enables the linings to be replaced quickly - without changing the trommel or using special tools.

Cost savings
Up to 90% lower procurement costs compared to replacing an entire trommel unit.

Space-saving storage
Interchangeable & replacement screens are easy to transport and store.

The trommel is customised to suit the respective material. In addition to the external screens, internal screens can be flexibly added as required. This combination enables the separating cut to be precisely defined.

Selection of the wire screens

- ✓ **Material** (stainless steel / spring steel)
- ✓ **Shape**

- ✓ **Wire thickness**
- ✓ **Mesh size**

Additional options



Bisection of the inner trommel

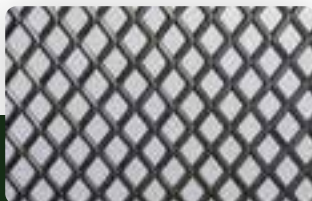


Ripping knife screwable

Example of shapes



Square mesh



Harp-B



Harp fabric



Long mesh

Areas of application

for the MULTI SCREEN® screening machines

- ✓ **Wood waste and C & D recycling**
- ✓ **Minerals, topsoil & biomass processing**
- ✓ **Metal, commercial waste & special materials recycling**

Processable materials



Wood chips



Topsoil



Gravel



Sand



Grit / chippings



Substitute fuels

Coal
Excavated soil
Waste
Clinker
Stones
Rubbish
Glass
Gypsum

Building rubble
Green waste
Wood
Compost
Shredded wood waste

and many more

Special features & quality characteristics

Zemmler's double-trommel screening machines can be set up quickly and easily and are ready for use in next to no time.

Customised configuration for your screening task

With screen capacities ranging from 30 to 180 m³ per hour - Zemmler offers the right solution for every company, individually configurable with customised special equipment.

Easy to maintain

Wide-opening doors provide easy access for maintenance and inspection work.



Simple operation

Large touchscreen displays enable the user-friendly and intuitive control of the screening machines. The Pro series features mobile control and a telemetry package.



One-man operation

Thanks to remote control, the screening machine can also be operated by one person.



Clean screens

A cleaning brush with its own drive ensures a clean outer sieve.



Corrosion protection

Long-term corrosion protection by means of the sandblasting of the surfaces and a PU top coat. The conveyor belt frames are hot-dip galvanised.



Different drive types

Our machines are available with different types of drive:

- ✓ Electric
- ✓ Diesel-hydraulic
- ✓ Electro-hydraulic
- ✓ Diesel-electric

OUR Portfolio

The
SMART ONE



MS 16 Pro

With mobile control & telemetry package included

Design
Wheeled chassis

Capacity
up to 30 m³/h

Screen area
11 m²

Weight
max. 3.5 t

Drive
Electric (16 A)
Optional
• Diesel generator

The
COMPACT ONE



MS 3200

Design
Wheeled chassis

Capacity
up to 60 m³/h

Screen area
18 m²

Weight
max. 9.5 t

Drive
Electric (32 A)
Optional
• Diesel generator

The
VERSATILE ONE



MS 36 Pro

With mobile control & telemetry package included

Design
Tracked chassis

Capacity
up to 100 m³/h

Screen area
23 m²

Weight
max. 7 t

Drive
Electric (32 A)
Optional
• Diesel generator
• Battery pack

The
ALL-ROUNDER



MS 5200

Design
Wheeled & Tracked chassis

Capacity
up to 150 m³/h

Screen area
47 m²

Weight
max. 20 t

Drive
Diesel-hydraulic
Optional
• Diesel-electric
• Electro-hydraulic
• Electric

The
TRUE PROFESSIONAL



MS 6700-R

Design
Tracked chassis

Capacity
up to 180 m³/h

Screen area
63 m²

Weight
max. 24 t

Drive
Diesel-hydraulic

SCREENING

worldwide



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