ZEMMLER®

DOUBLE TROMMEL
screening machines



Screening in 3 fractions

THE INNOVATIVE
double trommel technology with maximum flexibility

on a green **MISSION**

Made in **GERMANY**

zemmler.de/en

innovative

flexible

individual



From a small manufacturing workshop to a medium-sized mass producer

Zemmler Siebanlagen GmbH was founded in 2000 as a one-man operation. Today, we are an internationally active company and have established ourselves as a manufacturer of mobile and stationary double trommel screening machines.



Made in Germany

We are constantly expanding and optimising our product and service portfolio in collaboration with our customers and partners. From welding and painting to final assembly, we carry out all production steps in-house.

Made in GERMANY

Produced in Lusatia, sold all over the world.

25+

years of experience

With over 25 years of experience, Zemmler offers expert knowledge and solutions for the future.

60+

Employees

60 dedicated minds work together to develop the screening technology of tomorrow, thus enabling us to maintain steady growth.

800+

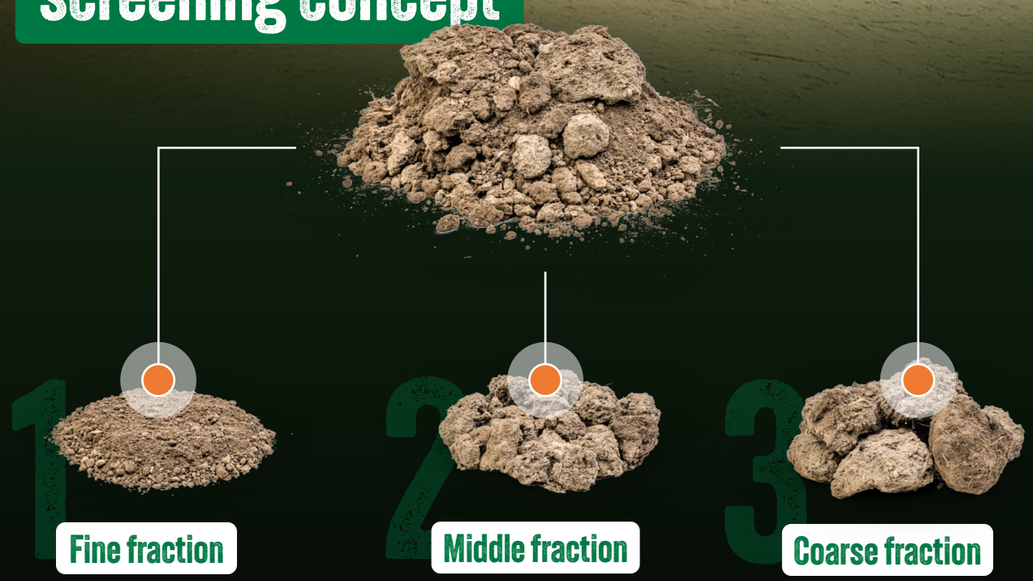
Machines

More than 800 machines have already been produced and are in use worldwide.

Double trommel technology



THE ZEMMLER screening concept



Fine fraction

Mesh size selectable from 2 - 80 mm

Middle fraction

Mesh size selectable from 2 - 80 mm (standard 75/80 x 170 mm)

Coarse fraction

Depending on mesh size of the midds (standard > 170 mm)

on a green **MISSION**

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.

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

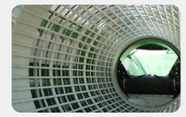
Interchangeable & replacement screens are easy to transport and store.

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

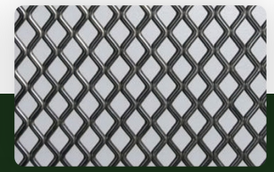


Ripping knife
screwable

Example of shapes



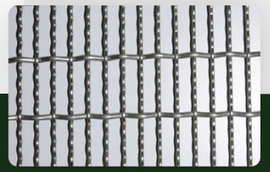
Square mesh



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
- Gipsum
- 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.



Clean screens

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



Simple operation

Large touchscreen displays with graphical information 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.



Different drive types

Our machines are available with different types of drive:

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



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.

OUR Portfolio

The
SMART ONE



The
COMPACT ONE



The
VERSATILE ONE



The
ALL-ROUNDER



The
TRUE PROFESSIONAL



MS 16 Pro

With mobile control & telemetry package included

Design	Capacity	Screen area	Weight	Drive
Wheeled chassis	**up to 30 m³/h**	**11 m²**	**max. 3.5 t**	**Electric (16 A)**

Optional
- Diesel generator

MS 3200

Design	Capacity	Screen area	Weight	Drive
Wheeled chassis	**up to 60 m³/h**	**18 m²**	**max. 9.5 t**	**Electric (32 A)**

Optional
- Diesel generator

MS 36 Pro

With mobile control & telemetry package included

Design	Capacity	Screen area	Weight	Drive
Tracked chassis	**up to 100 m³/h**	**23 m²**	**max. 7 t**	**Electric (32 A)**

Optional
- Diesel generator
- Battery pack

MS 5200

Design	Capacity	Screen area	Weight	Drive
Wheeled & Tracked chassis	**up to 150 m³/h**	**47 m²**	**max. 20 t**	**Diesel-hydraulic**

Optional
- Diesel-electric
- Electro-hydraulic
- Electric

MS 6700-R

Design	Capacity	Screen area	Weight	Drive
Tracked chassis	**up to 180 m³/h**	**63 m²**	**max. 24 t**	**Diesel-hydraulic**

MULTI SCREEN®

MS 16 Pro

up to 30 m³/h

screening capacity

Optionally, the machine can be operated with a diesel generator.



- **3.5 t** Maximum weight
- **Electrical drive** optional diesel generator
- **Double trommel technology**
- **Full mobility at 80 km/h**
- **Interchangeable wire screen**
- **Tested safety system**
- **With mobile control & telemetry package included**



Our

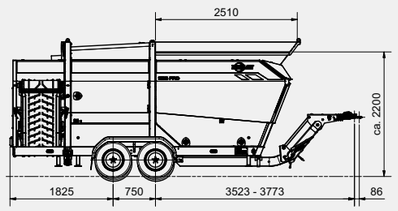
SMART SOLUTION

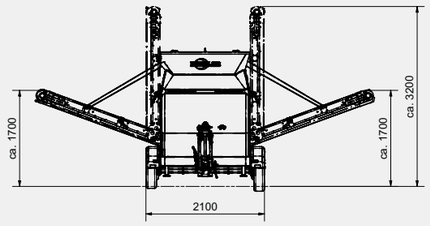
The Zemmler MULTI SCREEN® MS 16 Pro is designed for garden & landscaping use.

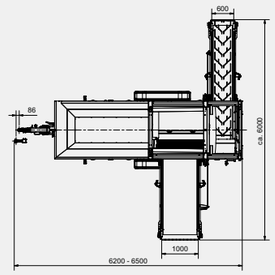
With a maximum weight of 3.5 tonnes, the machine can be easily transported via SUVs and vans. It delivers three fractions in a single operation and is characterised by a fully electrical, low-maintenance drive. The MS 16 Pro is also equipped with a mobile control unit and an integrated telemetry module that enables real-time monitoring and remote maintenance. All hinges and electrical elements feature a plug-and-play design, which significantly simplifies service, assembly and maintenance work, as the components can be assembled, disassembled and replaced without the need for specialised electricians.

Technical specifications

Trommel length **1,790 / 2,680 mm**	Feed hopper **Volume 1.85 m³** **Feed width 2,510 mm**	Weight **max. 3,500 kg**	Towing device **Ball head,** **towing eye Ø 40/50 mm**
Trommel diameter **1,300 mm**	Total screening area **11 m²**	Drive **Electric (16 A),** **optional diesel generator**	Transport measurements (LxWxH) **6,200 x 2,100 x 3,200 mm**



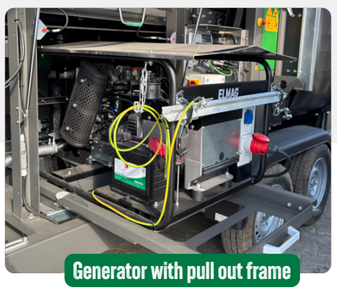




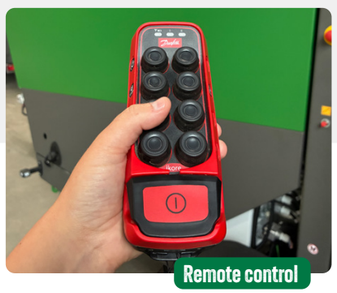


LED ambient lighting

Multicoloured with machine status display



Generator with pull out frame



Remote control

MULTI SCREEN®

MS 3200

up to 60 m³/h
screening capacity



- **9.5 t** Maximum weight
- **Electrical drive** optional diesel generator
- **Double trommel technology**
- **Full mobility at 80 km/h**
- **Interchangeable wire screen**
- **Tested safety system**



Our

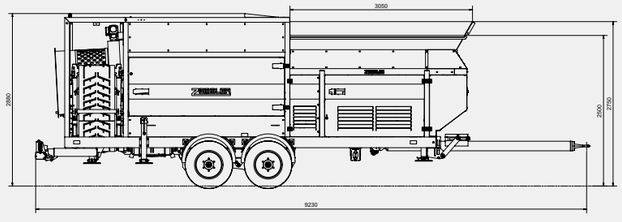
COMPACT SOLUTION

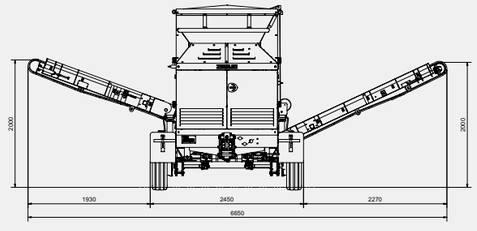
The compact trommel screening machine for professional applications

The MS 3200 is a powerful and compact trommel screening machine that is ideal for professional use. It has been specially developed to meet the requirements of recycling companies, civil engineering firms, gardening and landscaping companies and municipal operations. The electrical, low-maintenance drive ensures efficient and environmentally friendly operation. On request, the system can be equipped with an additional belt for the coarse fraction. Extended belts for the fine and middle fractions, with a hydraulic unit, are also available as an option.

Technical specifications

Trommel length **3,000 / 3,900 mm**	Feed hopper **Volume 2.3 m³** **Feed width 3,050 mm**	Weight **max. 9,500 kg**	Towing device **Towing eye Ø 40/50 mm**
Trommel diameter **1,300 mm**	Total screening area **18 m²**	Drive **Electric (32 A), optional Diesel generator**	Transport measurements (LxWxH) **9,200 x 2,450 x 3,600 mm (standard)**







Hopper extension



Coarse fraction belt



Extended belts

with hydraulic unit

MULTI SCREEN®

MS 36 Pro

up to 100 m³/h

Screening capacity

Optionally, the machine can be operated with a diesel generator.

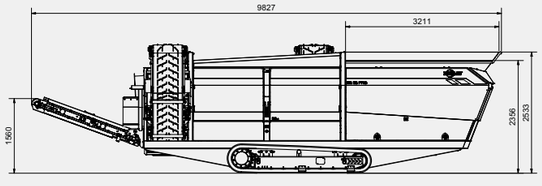


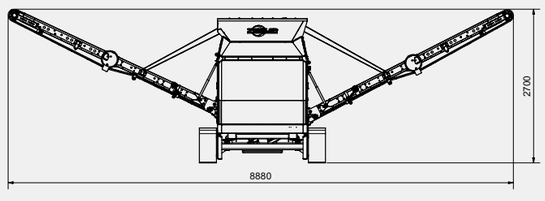
- **7 t** Maximum weight
- **Electrical drive** optional diesel generator
- **Double trommel technology**
- **Tracked chassis**
- **Interchangeable wire screen**
- **Tested safety system**
- **With mobile control & telemetry package included**



Technical specifications

Trommel length **3,482 / 4,372 mm**	Hopper **Volume 2.2 m³** **Feed width 3,210 mm**	Weight **max. 7,000 kg**	Mobility **Tracked chassis**
Trommel diameter **1,300 mm**	Total screening area **23 m²**	Drive **Electric (32 A), optional diesel generator or battery pack**	Transport measurements (LxWxH) **8,058 x 2,540 x 3,190 mm, 7,913 x 2,215 x 2,550 mm** Container





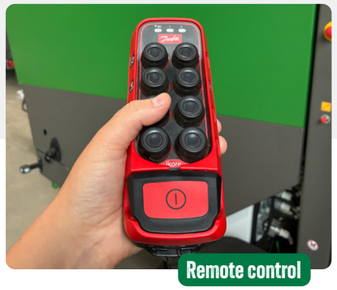


LED ambient lighting

Multicoloured with machine status display



Worklights



Remote control

Our

VERSATILE SOLUTION

The trommel screen for true professionals

With its compact design and tracked chassis, the MS 36 Pro can be used flexibly and is easy to transport, even in a container. The fully electrical drive ensures quiet, low-emission and energy-efficient operation. The MS 36 Pro is also equipped with a mobile control unit and an integrated telemetry module that enables real-time monitoring and remote maintenance. It also impresses with its service-friendly plug-&-play design and intuitive mobile control, which makes maintenance and operation particularly easy. This makes the MS 36 Pro the reliable solution for professionals who value performance, versatility and ease of use.

MULTI SCREEN®

MS 5200

up to 150 m³/h

screening capacity

With sensors and electronic control for maximum safety and optimum operation.



20 t
Maximum weight

Full mobility
at 80 km/h

Double trommel
technology

Tested safety
system

Interchangeable
wire screen

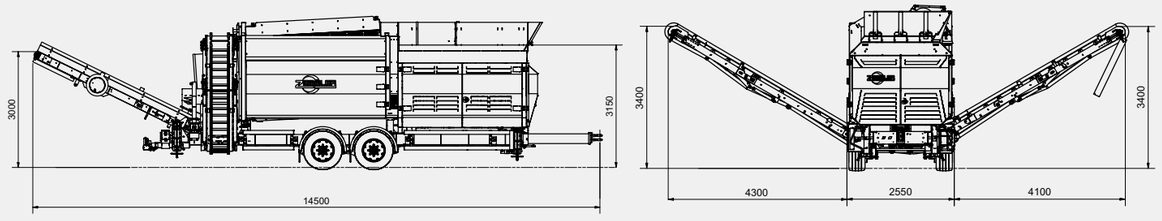
Different drive
concepts

Optional
Tracked chassis



Technical specifications

Trommel length **5,200 mm**	Hopper **Volume 5.5 m³** **Feed width 3,650 mm**	Weight **max. 20,000 kg**	Towing device **Towing eye Ø 50 mm**
Trommel diameter **2,000 mm**	Total screening area **47 m²**	Drive **Diesel-hydraulic/full electric, electro-hydraulic, Diesel-electrical**	Transport measurements (LxWxH) **11,750 x 2,550 x 4,000 mm (standard)**




Hydraulic supports


Tracked chassis


Magnetic separation

The all-rounder with

HIGH FLEXIBILITY

The Zemmler MULTI SCREEN® MS 5200 is a powerful solution for versatile screening applications.

With its sophisticated design, the screening machine combines efficiency, flexibility and ease of use at the highest level. It is available as a track-mounted version and can therefore be used directly on the construction site. The long double trommel, in combination with the wire screen linings, ensures the precise, clean separation of all materials. A fourth fraction can also be separated using a hydraulically folding stone grid. With four different drive concepts and numerous options, the machine can be configured for any screening task.

MULTI SCREEN®

MS 6700-R

up to 180 m³/h

screening capacity



Double trommel technology

Interchangeable wire screen

Tracked chassis

Tested safety system



The trommel screening machine

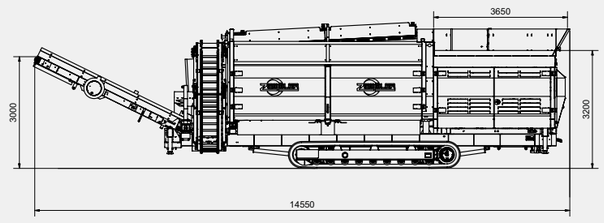
FOR TOP PERFORMANCE

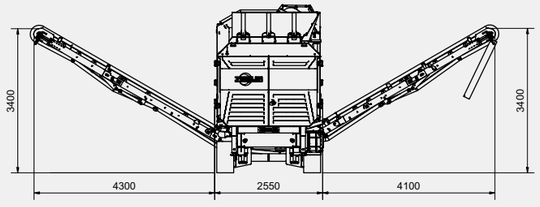
The Zemmler MULTI SCREEN® MS 6700 is the largest trommel screening machine in our portfolio and is available as a standard track-mounted unit.

It combines large dimensions and double trommel technology to open up new dimensions in processing. With a total screening area of more than 60 m² and a trommel length of 6.7 m, it achieves maximum performance of up to 180 m³/h. Users with a very high throughput and small mesh size in particular achieve optimum screening results. The system can be flexibly configured with numerous options.

Technical specifications

Trommel length **6,700 mm**	Hopper **Volume 5.5 m³** **Feed width 3,650 mm**	Weight **max. 24,000 kg**	Mobility **Tracked chassis**
Trommel diameter **2,000 mm**	Total screening area **63 m²**	Drive **Diesel-hydraulic**	Transport measurements (LxWxH) **11,700 x 2,550 x 4,000 mm (standard)**







Stone grid



Skid



Hydraulic supports

Zemmler

Stationary machines

Customised solutions

In addition to our mobile double trommel screening machines, we also offer stationary models.

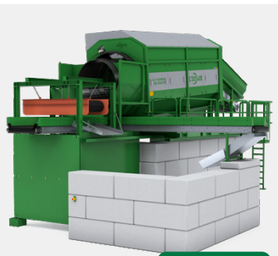
Depending on customer requirements, we can produce all machine sizes in a wide range of variants. On request, we will be happy to work with you to develop a system that meets your exact requirements.



MS 3200-ST



MS 5200-ST



MS 6700-ST

Illustrations may contain optional extras.

First class Service

- REPAIRS
- ON-SITE SERVICE
- SPARE PARTS
- MAINTENANCE

Our service technicians offer on-site service throughout Europe, providing regular maintenance, advice and troubleshooting (Mon. - Fri. 07:00 - 16:00).

Fast spare parts supply for the MULTI SCREEN® series and other manufacturers such as Vedbysonder Maskinfabrik, Svedala and Ellegaard. On request, we can dispatch parts in stock within **24 hours within Germany.**



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All photos and machine illustrations in this brochure may contain special configurations.
Edition 04/2026

SCREENING worldwide



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