

The background of the entire page is a photograph of a large industrial machine, specifically a horizontal screen, in a dark, industrial setting. The machine has a complex metal frame with various beams and supports. A prominent feature is a large, rectangular screen deck that is tilted at an angle. Above this deck, there is a horizontal structure with a series of parallel bars or grates. The lighting is dramatic, with some highlights on the metal surfaces and deep shadows elsewhere, creating a sense of scale and industrial power. The overall color palette is muted, with greys, blacks, and some reddish-brown accents from the machine's components.

GELEN

PRODUCT BROCHURE

ETE SERIES

HORIZONTAL SCREENS

ELLIPTICAL MOTION. EVERY PARTICLE SEES
THE DECK.

— ETE SERIES

HIGH PERFORMANCE IN ALL STAGES OF SCREENING WITH A UNIQUE DESIGN.

Three shafts, geared together, drive an elliptical motion whose shape and angle are adjustable — the most efficient screening motion there is. Horizontal decks keep the machine low, so the ETE fits where an inclined screen cannot: under a hopper, on a mobile chassis, in a plant with limited headroom.

4

MODELS IN THE SERIES

2.5 × 6.0

m

LARGEST DECK

4

DECKS

45

kW

MAX. INSTALLED POWER

APPLICATIONS

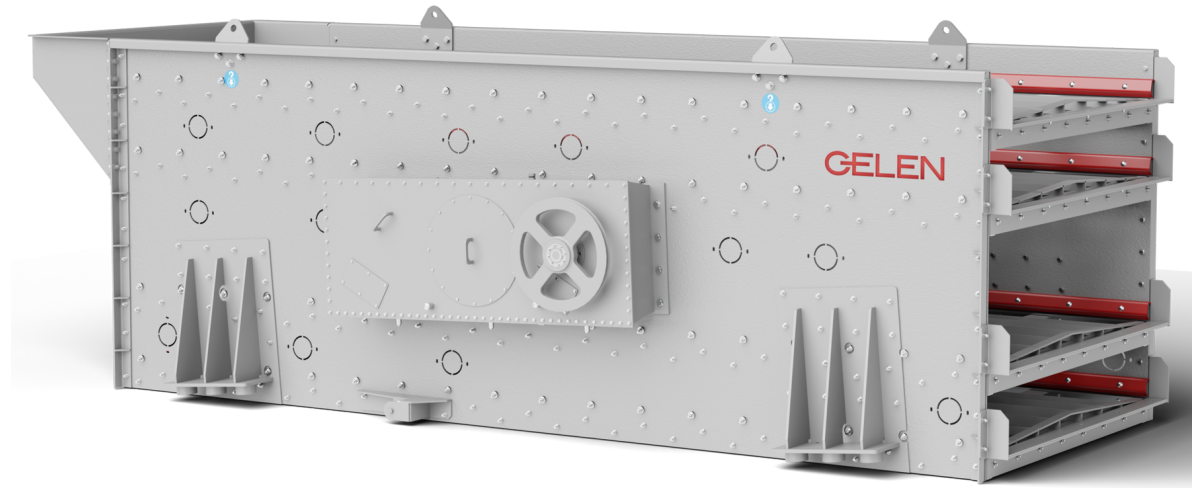
FINE CLASSIFICATION

STICKY & FLAKY MATERIAL

MOBILE PLANTS

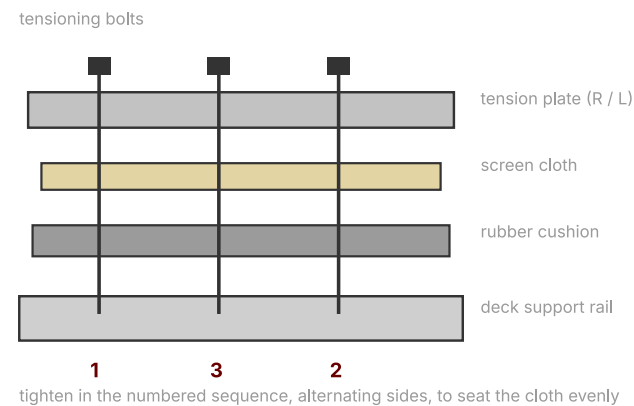
WET SCREENING & WASHING

HEAVY SCALPING



FROM THE MANUAL

Screen-cloth tensioning — exploded edge section



Screen-cloth tensioning — tension plate, cloth, rubber cushion and deck rail, tightened in sequence.

DESIGN

ANATOMY OF AN ETE.

Three shafts where a circular screen has one, and a low body where an inclined screen needs height.

1 Triple-shaft exciter

Three counterweighted shafts geared in harmony produce an elliptical motion, adjustable in shape and angle.

2 Oil-bath gearbox

The exciter runs in its own oil-lubricated housing, sealed against dust and water.

3 Horizontal decks

Two to four decks, with material conveyed by the motion rather than by gravity – so retention time is controlled, not fixed.

4 Stiff bolted body

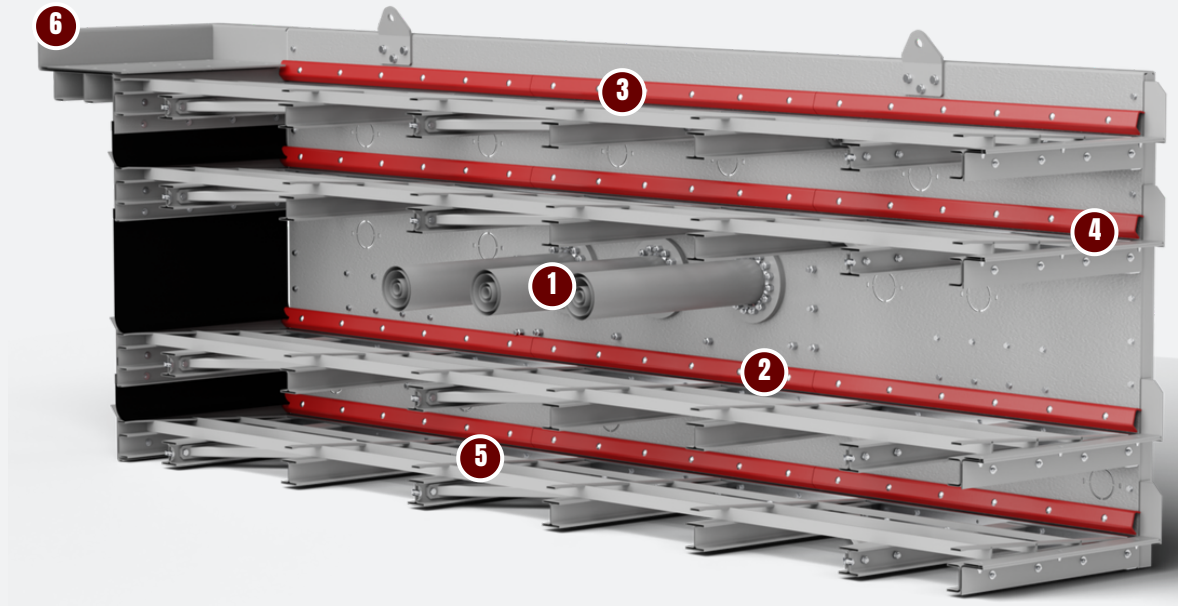
Huck-bolted side plates and cross members with no welds in the vibrating structure.

5 Bolted cross members

Deck cross members bolted between the side plates, so a deck frame can be replaced without cutting.

6 Lined feed box

Replaceable liners where the feed lands; spray bars for wet screening.



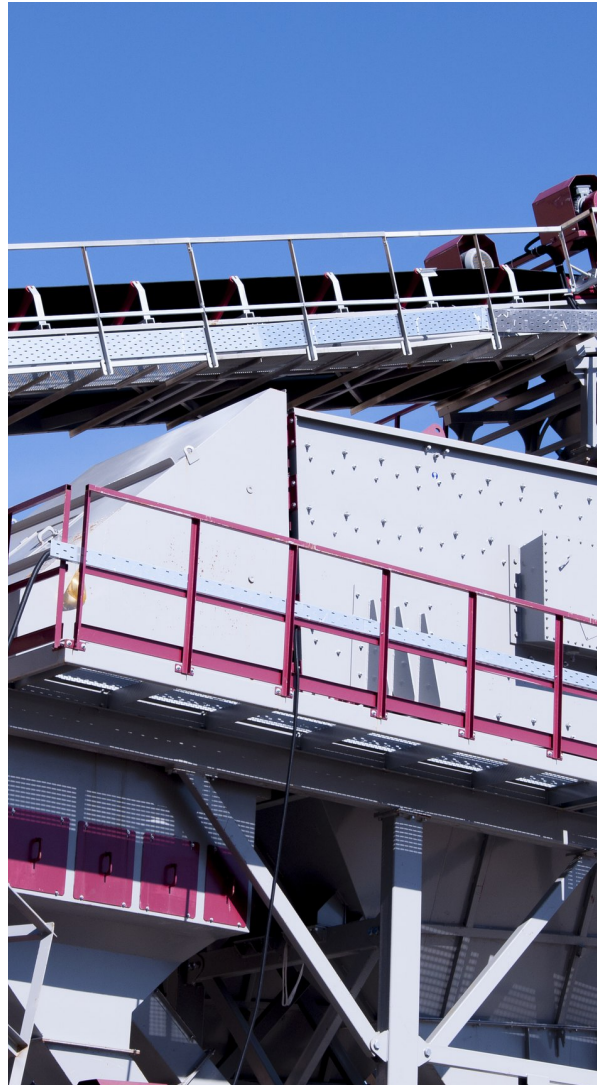
Screening efficiency

- Elliptical motion keeps the bed fluid and the apertures clear
- Adjustable stroke angle for fine cuts or heavy scalping
- Consistent cut on sticky, flaky and moist material



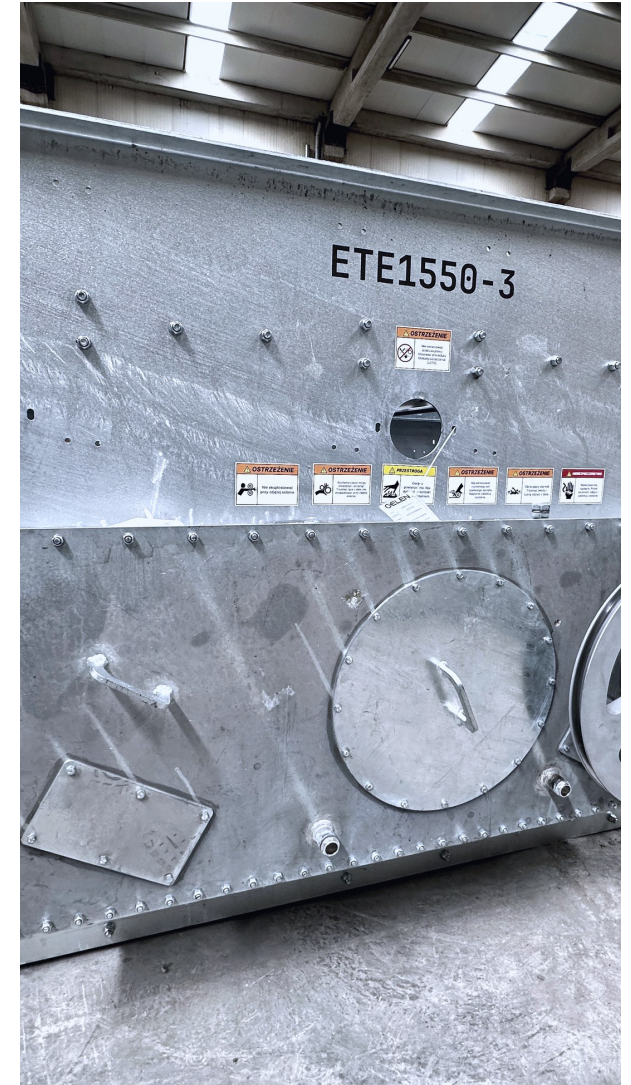
Low headroom

- Horizontal decks; no inclination to build in
- The natural choice for mobile and semi-mobile plants
- Compact footprint in existing buildings



Built to last

- Oil-bath triple-shaft exciter, sealed for life
- Stress-relieved, huck-bolted body
- Replaceable liners and standard media fixings



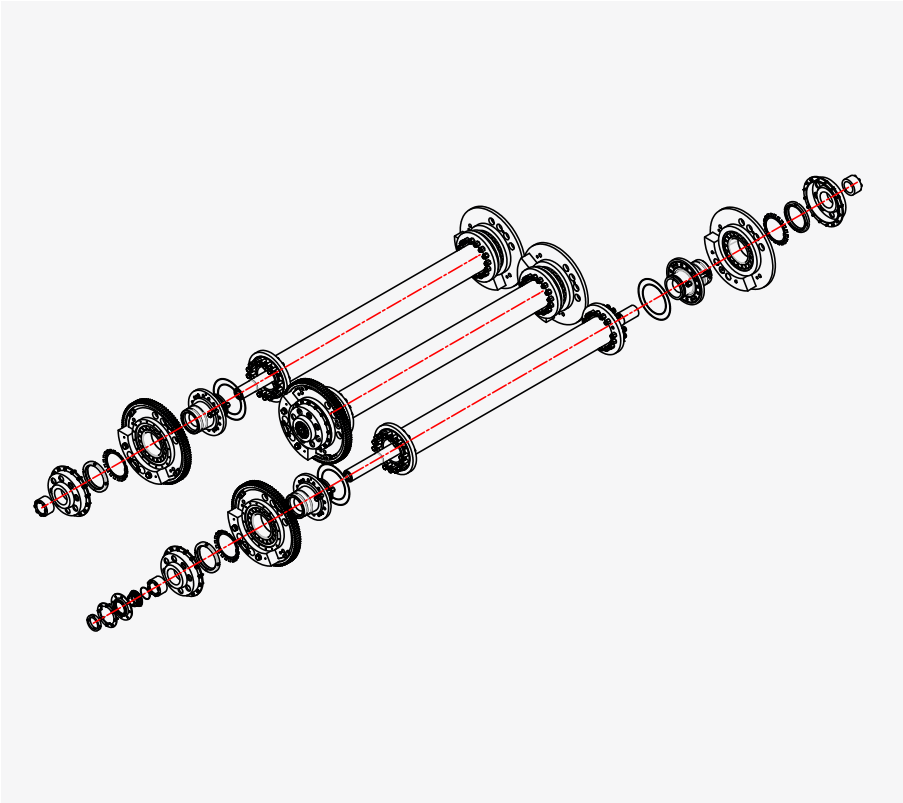
HORIZONTAL SCREENS - ETE SERIES

MODEL	WIDTH mm	LENGTH mm	2-DECK kg	3-DECK kg	4-DECK kg	POWER kW
ETE2560	2500	6000	14,700	15,700	—	45
ETE2260	2200	6000	13,800	14,800	15,700	37-45
ETE1860	1800	6000	7,300	8,600	10,100	22-30
ETE1550	1500	5000	5,800	6,700	7,700	18.5-22

Values are nominal and depend on feed material, gradation and moisture. Metric units; the Products Catalogue carries the imperial edition.



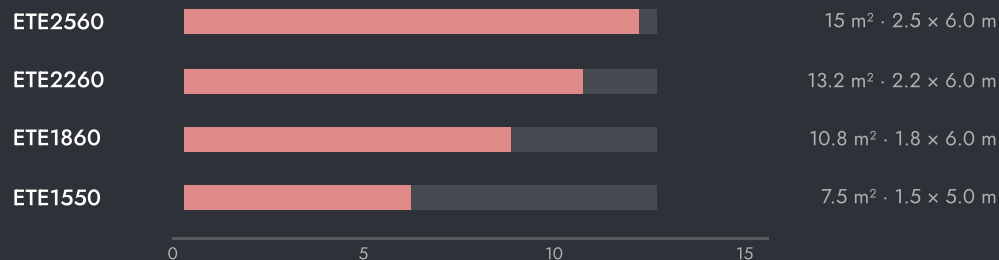
FROM THE MANUAL



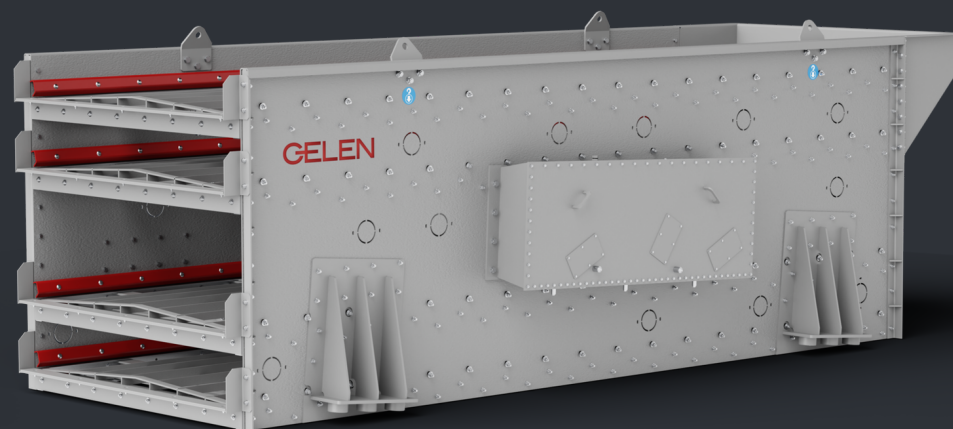
ETE exciter – three counterweighted shafts geared together.

CHOOSE YOUR MODEL

ONE SERIES. THE WHOLE RANGE.



Four widths from 1.5 to 2.5 m, at 5 and 6 m long, in two, three or four decks.



SETTING THE MACHINE

- Stroke – by adding or removing counterweights on the three shafts.
- Angle of throw – the exciter is rotated to any angle from 30° to 60°.
- Speed – by the adjustable motor sheave.

HOW TO CHOOSE

- 01** Horizontal decks need about 20% more area than inclined for the same cut; size on the finest cut.
- 02** Choose the ETE where headroom is limited or the material is sticky or flaky.

- 03** Three or four decks close a tertiary circuit on one machine.

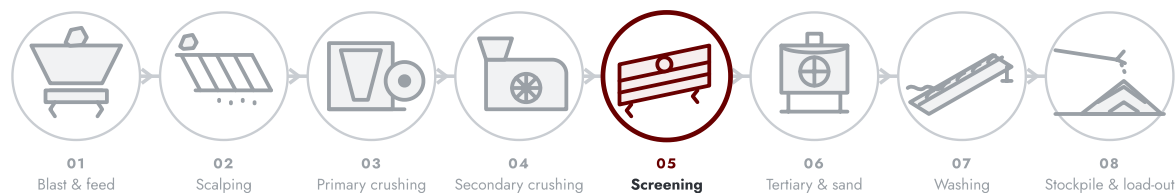


— IN THE PLANT

WHERE IT WORKS.

Horizontal screens close the circuit on the tertiary and sand stages, and go on every GELEN wheeled screening plant.

TYPICAL PLANT FLOW



BEHIND EVERY MACHINE

Field service

Installation, commissioning and inspection by GELEN engineers, on site anywhere we sell.

Spares by serial number

Every machine has a serial and a QR on its nameplate. Scan it, and its parts list, manuals and service history open — and a spares order is one tap away.

Remote support

Production data, alarms and performance analytics from every connected plant, with support from the works.

— CONTACT

TALK TO THE WORKS.

ASO 1. OSB, Oğuz Cd. No: 31
06930 Sincan, Ankara, Türkiye

PHONE +90 312 267 06 20

E-MAIL gelenmakina@gelenmakina.com

WEB gelenmakina.com

Full specifications, drawings and every other GELEN machine are in the Products Catalogue.



SCAN FOR THE PRODUCT PAGE,
CATALOGUE AND ENQUIRY FORM.



GELEN

CRUSHING & SCREENING PLANTS SINCE 1981

GELENMAKINA.COM