

GEA Scan-Vibro Sifters, Feeders and Conveyors

for the fish feed industry

Experience and proven design

GEA has supplied the fish feed industry for more than 30 years. During this time, we have acquired a detailed understanding of the challenges involved in producing fish feed pellets and new types of fish feed.

As a preferred supplier to the largest manufacturers in the market, our GEA Scan-Vibro feeders, conveyors and sifters have been developed to meet the careful handling requirements of fish feed.

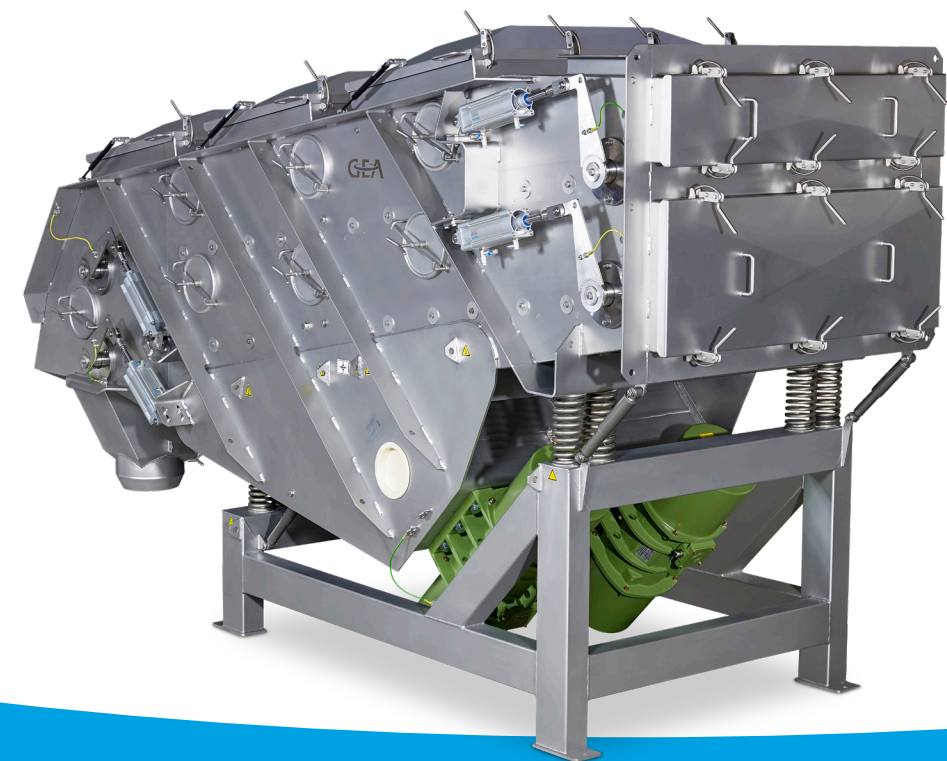
Our unique combination of high quality production and established know-how means that we can respond to the ever-changing needs of our customers and their business challenges.

A legacy of expertise

GEA supplies proven technology for the sifting of coated and uncoated fish feed pellets. Plus, with an unparalleled history of experience in the design and production of sanitary equipment, we can also provide equipment to manufacture fish medication.

Pilot plant

In-house facilities are available for customers wishing to test their products and ensure the correct equipment specifications for their product. To discuss specific requirements with our technical experts, and experience the operation and maintenance of our gentle conveying and sifting solutions first-hand, contact us today.



GEA Scan-Vibro Sifters

Gentle vibration combined with efficient dust removal ensures that product spends minimal time in contact with the vibrating screen. Products that are prone to sticking are handled by our active ball technology to prevent screen blinding, which ensures extended production times. Non-conforming product is gently moved to an overflow where it's collected for reprocessing.

Sanitary design and safety

Hermetically sealed enclosures manufactured from food grade materials are available for customers who require sanitary operation.

Product quality

Product consistency is important to our customers. With many years of development and testing, our sifting solutions have been proven to minimize damage whilst efficiently removing dust, lumps and unwanted particles.



Cleaning and maintenance

Maintenance and cleaning is also key. To reduce downtime, our sifting solutions have been designed to incorporate large top lids with gas struts to enable fast inspection and rapid changeovers. They are also fast and easy to clean to prevent contamination of sensitive products. The inner parts of the sifter can be unmounted to allow complete accessibility to ensure thorough contamination prevention when cleaning.

Overall operating efficiency

Low energy consumption and lubrication-free motors help to reduce operating costs during extended production cycles when continuous operation is an important consideration.

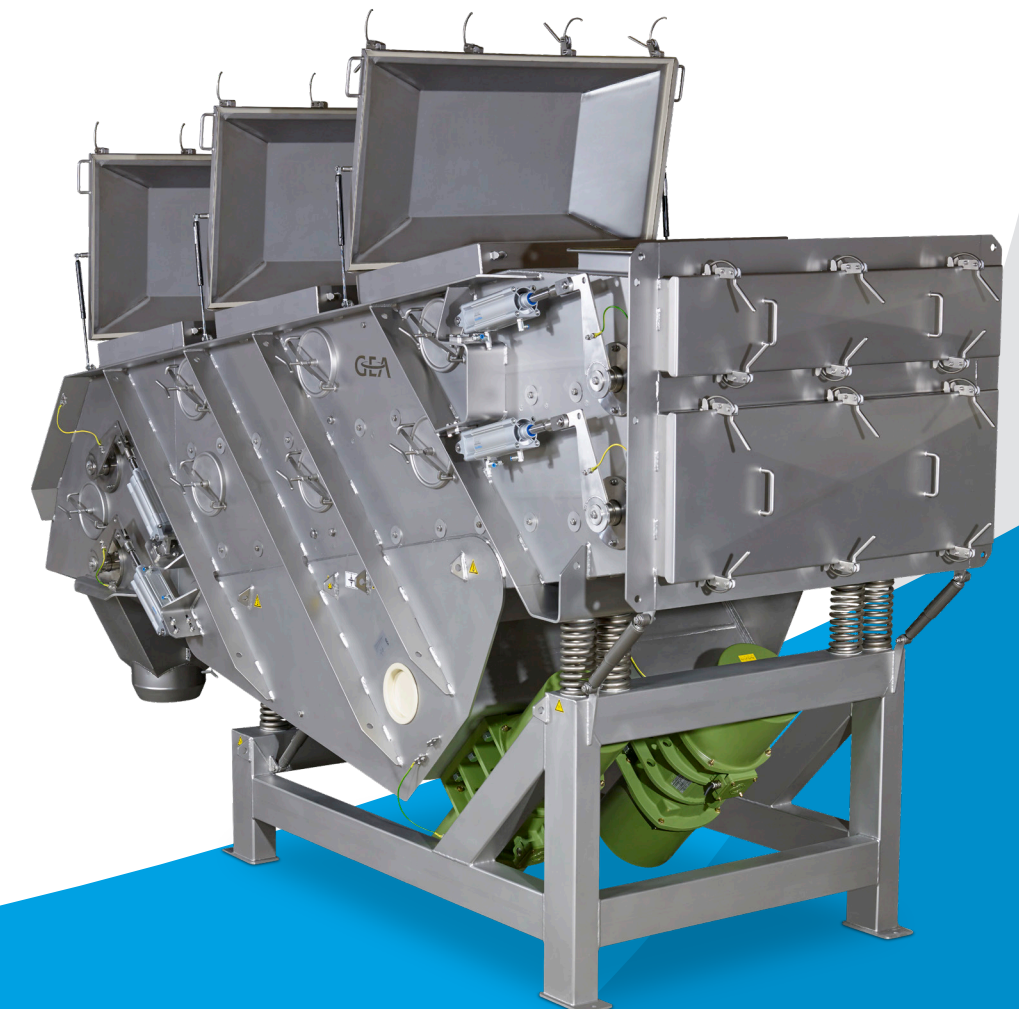
Other features include:

- Fractionation: clear product separation
- Control screening: removal of oversized particles
- Dust removal: removal of dust or fine particles
- Stainless steel construction: Fe360 or S.S AISI 304 or 316
- Tightly clamped deck
- Low power consumption for high efficiency sifting
- 100-20000 µm screen apertures
- Cost-effective
- Open or closed design: tailor-made to suit your application
- Screening area from 0.25–10 m²
- One, two or more screen decks
- Available with a cleaning system to keeping the screen mesh open during operation

Technical description

This patent pending free-swinging vibrating sifter with linear oscillation is available with one or more screen decks and with various screen types (mesh, riddle or wedge wire elements).

At our in-house testing facilities, we can determine the correct screen size for specific applications and customize the sifter to suit the customer's output demand.



GEA Scan-Vibro Feeders and Conveyors

Our stainless steel feeders and conveyors are designed and manufactured to meet the sanitary requirements of the fish feed industry, making GEA a one-stop-shop for all your applications and projects.

Sanitary design and safety

GEA's easy-to-clean feeders and conveyors are equipped with lids to ensure fast product changeovers, inspection and maintenance.

Product quality

The special combination of oscillation and frequency of vibration with stroke length means our feeders and conveyors are extremely gentle — even when handling sensitive or fragile products — resulting in reduced product damage and loss, improved product consistency, less waste and less reprocessing.

Overall operating efficiency

Robust and maintenance-free, the feeders and conveyors need no lubrication or regular inspection during normal operation, reducing the need for maintenance and eliminating the risk of product contamination.

Compared with traditional conveying solutions, such as screw conveyors or conveying belts, vibration conveying does not involve any free moving parts that can break or cause blockages.

GEA Scan-Vibro Conveyors

Vibrating conveyors offer a simple and efficient means to meter and convey fragile products. These open (or fully enclosed) units provide a reliable and economical way to handle most powdered and granular products, regardless of particle size and bulk density.

Key features

- Fully enclosed, dust-free operation or with open design
- Multiple inlets/outlets
- Reversing conveyors
- Suspended from above or supported from below
- Web positioned above or below to suit available space
- Extremely quiet, effective and gentle operation
- Manufactured in Fe360 or S.S. AISI 304 or 316
- Length up to 12m in one unit
- Designed for continuous operation

GEA Scan-Vibro Feeders

The feeders are designed for use in several areas of the fish feeding industry. The feeder consists of an open or closed design tube. An electromagnetic vibration unit or motors provide the motive force.

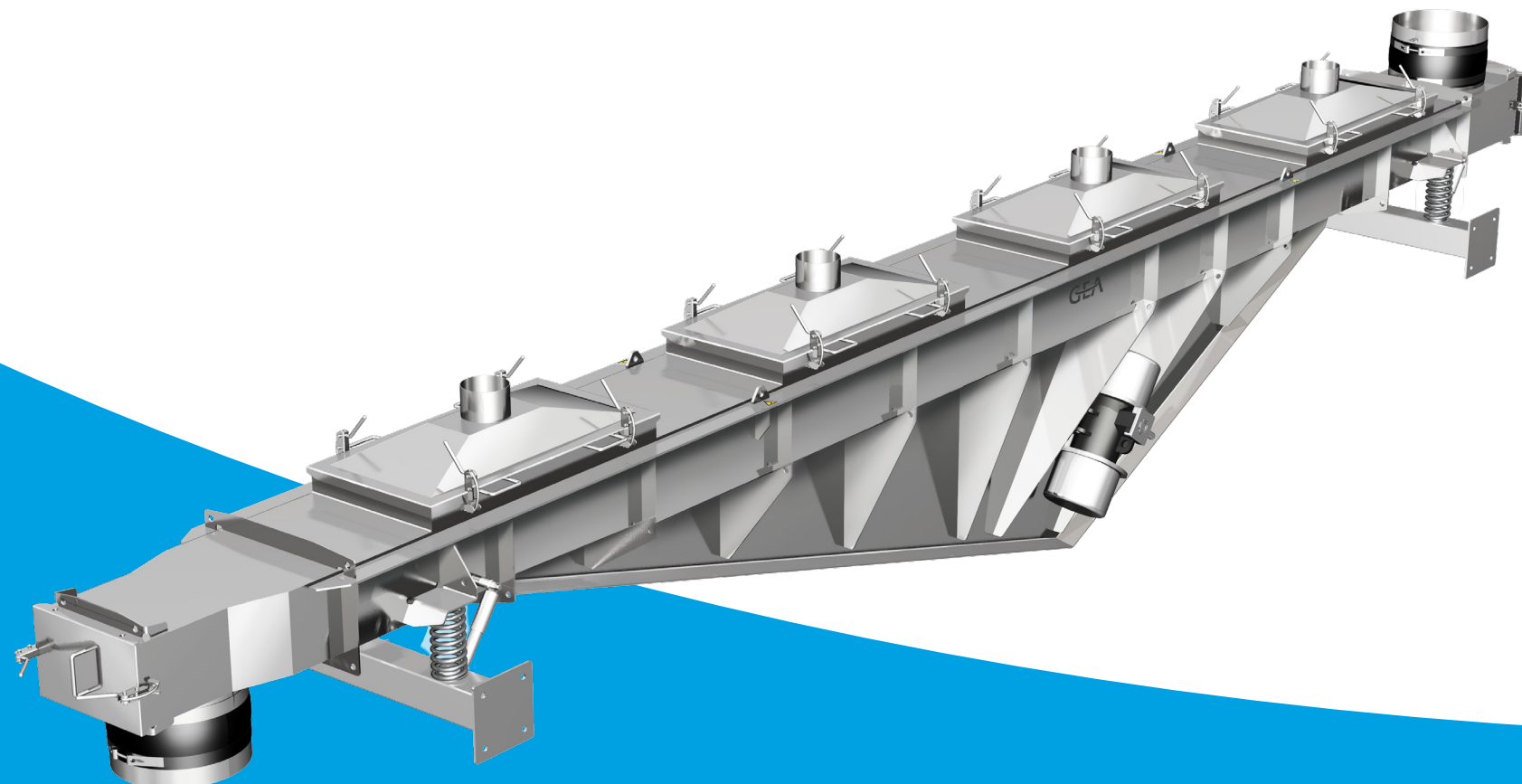
Key features

- Flow extract from silo/hopper
- Flow control for weighing and process applications
- Manufactured in S.S. AISI 304 or 316 or in Fe 360
- Custom solutions available to meet specific application requirements
- Extremely quiet, effective and gentle operation
- Designed for continuous operation

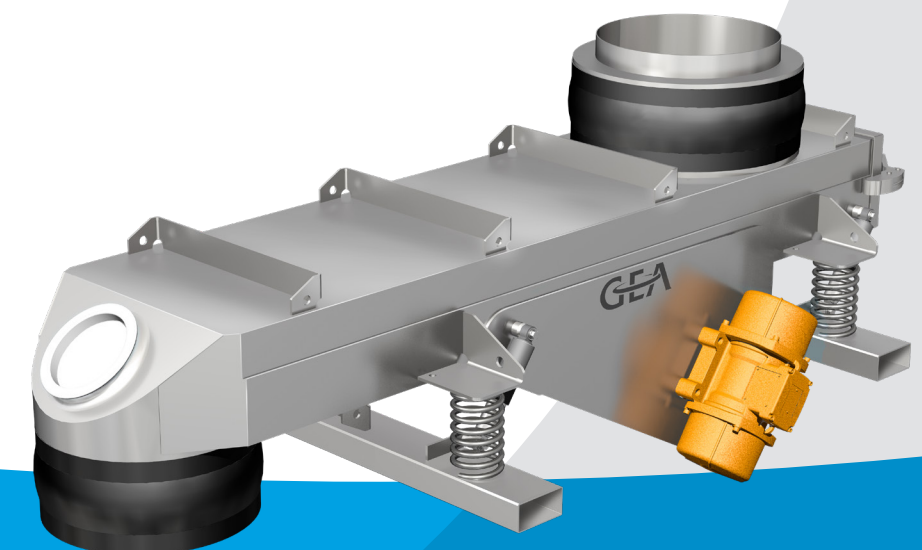
Technical description

The feeders and conveyors are free-swinging models with linear oscillation.

Vibrating Conveyor



Vibrating Feeder



We live our values.

Excellence • Passion • Integrity • Responsibility • GEA-versity

GEA is a global technology company with multi-billion euro sales operations in more than 50 countries. Founded in 1881 the company is one of the largest providers of innovative equipment and process technology. GEA is listed in the STOXX® Europe 600 Index. In addition, the company is included in selected MSCI Global Sustainability Indexes.

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