



VIBRATORY SCREENERS

ELECTROMAGNETIC AND MECHANICAL

Dependable units for efficient separation, dedusting, scalping and material sizing of a wide variety of materials

FEATURES & BENEFITS

- Rugged construction
- Long life
- Simple controls
- Easy installation
- Low power consumption



ONLY FROM ERIEZ

Eriez' Vibratory Screeners provide solutions to industry's demand for dependable material separation at an affordable price.

The wide range of models available allows selection of units for specific and unique

material application requirements. These ideal machines are available for processing slurries, waste water, minerals, chemicals and other dry or dewatering applications.

VB-3709G

INTRODUCTION/ OVERVIEW

Eriez has been providing high quality, creative screening solutions for more than 40 years. Both electromagnetic and mechanical designs are available to insure the optimal solution. Screeners ranging for 6" wide to over 4 foot wide are available for applications ranging from pharmaceutical to basic industries.

Material flow rates of screening feeders are easily adjusted. Each screener is available with an optional separate control that enables the vibration intensity to be varied for ideal screening.

Screeners for de-dusting, sizing and scalping can be designed for your specific application. Single

deck or multiple deck screens, enclosed trays and toolless screen assembly are a few of the available options. Woven wire, perforated plate or grizzly bars are a few of the screening medias available.

Whatever your application Eriez has screening solutions to address your requirement. Equipment selection is based upon material capacity, flow characteristics and other application data. Your local Eriez Sales Representative is available to assist you. Feel free to visit our website at www.eriez.com to review our product offering and contact information for our representative in your area.



**MODEL B
SCREENERS**

HVS SCREENER



SCREENING SELECTION GUIDE

A, B AND C SCREENERS

Custom sizes, high frequency, low amplitude screeners ideal for fine mesh separation (4 mesh to 325 mesh). Sizes from 80 square inches (500 sq cm) to 24 square feet (2.2 sq m) of screening area. Ideal for dedusting or fine separation.

Features: Adjustable amplitude, fixed 3600 cycle frequency, no maintenance drives, 3 year warranty on “B” drives, 1 year warranty on “A” and “C” drives.

HV SCREENERS

Custom sizes, frequency range of 600 cpm to 1200 cpm, high amplitude up to 7/16–inch (11 mm) stroke. Ideal for medium to coarse separation of coal, aggregates, ore, glass, building waste, up to 4–inch (100 mm) screen openings, from 4 square feet (3700 sq cm) to 100 square feet (9.3 sq m) screen sizes

Features: Standard TEFC motor, adjustable amplitude, adjustable drive angle.

TM SCREENERS

Custom sizes, low frequency, high amplitude, similar to the HV Screeners. Light to medium duty, ideal for food products such as vegetables, marshmallows, meat, rice, potato flakes and pharmaceuticals. 4 square foot (3700 sq cm) to 60 square foot (5.5 sq m) screen sizes.

Features: Standard TEFC motor, adjustable amplitude, set frequency.

MECHANICAL SCREENERS

BF Models

Brute Force Mechanical Screeners are an ideal solution when high amplitude is required to perform a screening operation. Tray amplitudes reaching .5” (13mm) helps to agitate material to drive off moisture. The operating frequency is approximately 900 RPM.

TM Models

TM units are a clean design that is often utilized for screening applications in the-food or other sanitary markets. This mechanical unit can be designed with an enclosed tray, quick-removal screens, low profile and a variety of other options. Models over 25 ft (7.6 meters) can be designed for your application.

HV Models

The HV high capacity screeners offer a good solution for small to medium separation of materials. With a maximum of .43” (11mm) amplitude and operating frequency of 900 to 1200 cycles per minute, the heavy duty HV screener is ideal for coal, aggregates, glass and other demanding environments. The adjustable drive angle of the HV is unique features with added versatility and an excellent choice for many applications.

ELECTROMAGNETIC SCREENERS

B and C Models

These units are well suited for fine material separations. These high frequency, 3600 vibrations per minute (3000 VPM @ 50 Hz), and low amplitude, .060” (1.5mm) are ideal for dedusting and other fines mesh (4 to 200 mesh) separation. Models are also available for Class II, Div. 1, Group F and G environments.

HD Models

Eriez High Deflection Screeners have the advantages of an electromagnetic design with the added benefit of high amplitude. Operating at a fixed 1800 vibrations per minute and approximately 1875 amplitude, the HD designs offer the nearly maintenance-free operation of our electromagnetic design with high amplitude, similar to a mechanical screener.

This unique design makes the HD models a very flexible design that is suitable for a wide range of applications.

VIBRATORY SCREENERS

Eriez' unique Hi-Vi magnetic drive circuit provides a simple yet powerful solution to difficult material screening applications.

Vibratory screeners serve as efficient screening separators for a wide variety of materials.

Recommended screens range from 20 mesh up to 1/2-inch (12 mm) sizes used for scalping.

These screeners, with their totally enclosed patented magnetic drive, can screen practically any bulk material from micron size to bulky chunks. Simple AC controls operate the screeners with "watch-like" precision. In addition, you get all the features that for years have made Eriez screeners the leaders in quality and dependability.

Eriez has standard and heavy duty model for the majority of screening applications. Special

units can be ordered with multiple drives for greater capacities. In addition, a wide variety of standard and special trays are available.

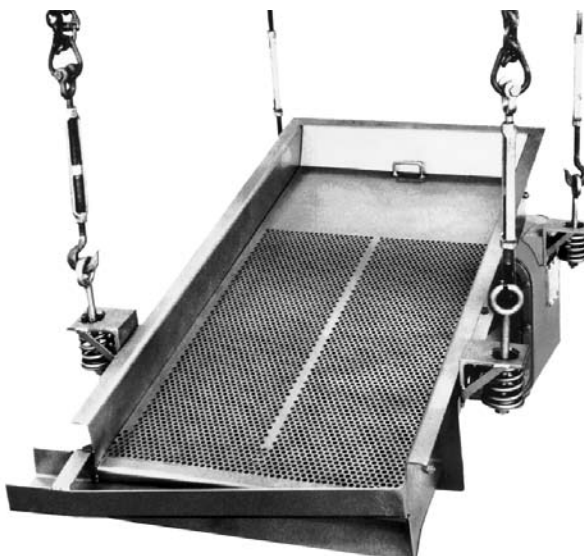
GRIZZLIES AND SPECIAL TRAYS

Vibratory screeners with grizzly trays are used for a variety of scalping or coarse screening operations. Screened trays provide even greater control in separation by size, dedusting or dewatering. On all types of trays, the advantages of gentle material handling and accurate control of feed rates are retained. Eriez' long experience in designing special trays for special applications, plus computerization of vibratory screener variables, means that unusual requirements can be met quickly and economically.



Model 85B
Grizzly to de-lump iron ore.

Model 75B
Grizzly to dedust limestone.

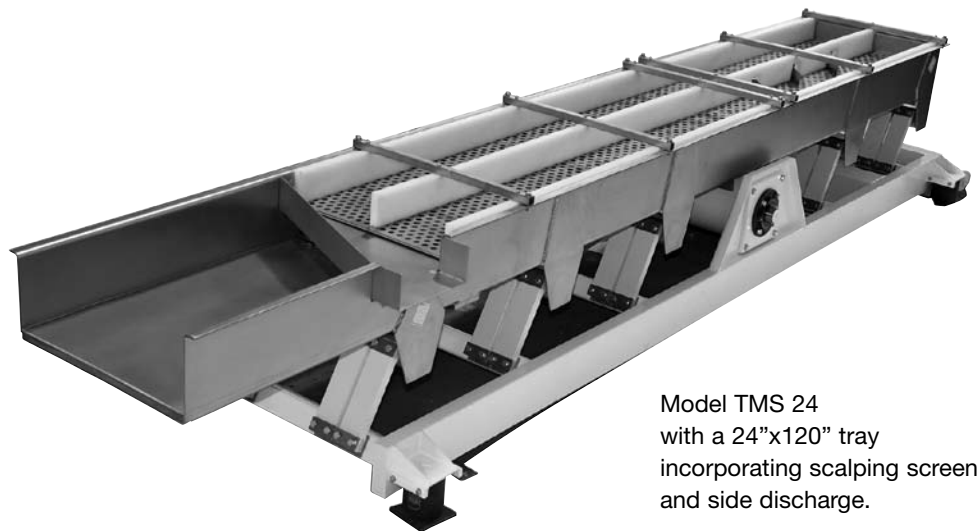


Model 85B
Screening Tray with
perforated deck
to remove oversize
lumps.

COMPACT SCREENERS



Model 46C
Screener with vacuum pick-ups for
dedusting tablets from a tablet press.



Model TMS 24
with a 24"x120" tray
incorporating scalping screen
and side discharge.



Model HS 56
Screener with a 12"x30" tray to
scalp oversized plastic pellets.

HEAVY DUTY MODEL B SCREENERS



Model 65B Two-deck Screener for separating clumps and fines from plastic pellets.

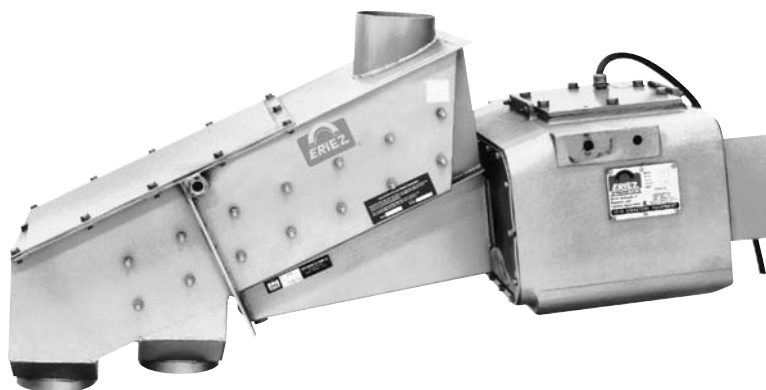
Model 52A with a stepped screen mounted on a portable cart.



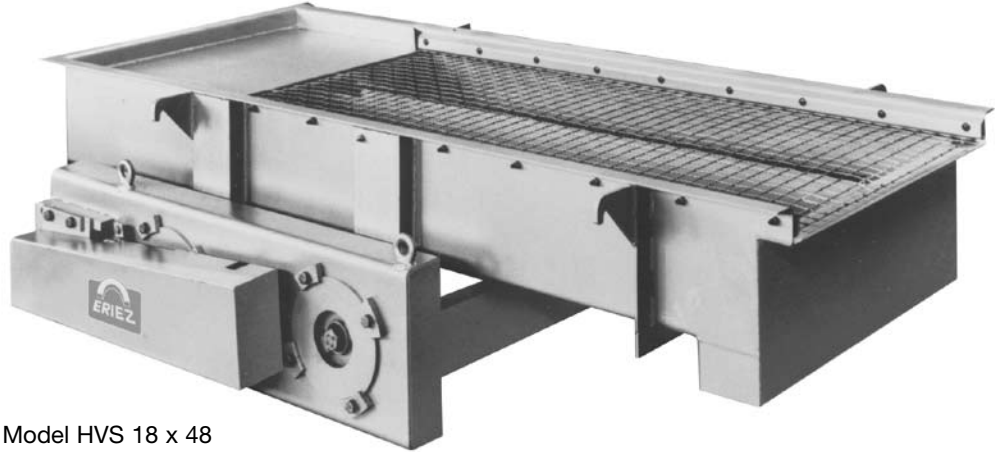
A two-deck screening feeder discharges oversize and undersize products to one side while the desired material flows off the end.



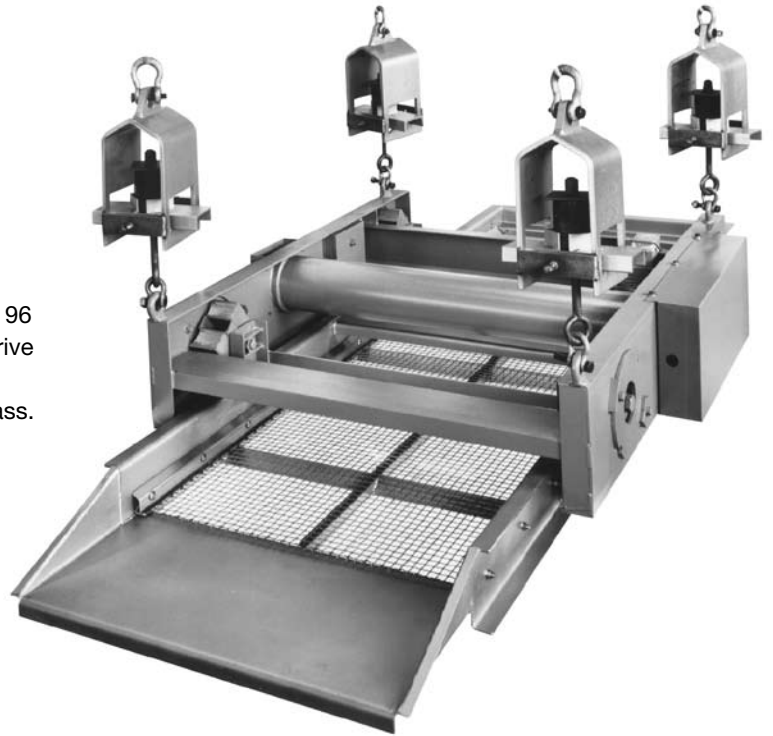
Model 70B Vibratory Sand Classifier used in conjunction with wood-fired boiler, to reclaim unburned wood for recirculation through boiler. Screens are used to sift out ash and sand.



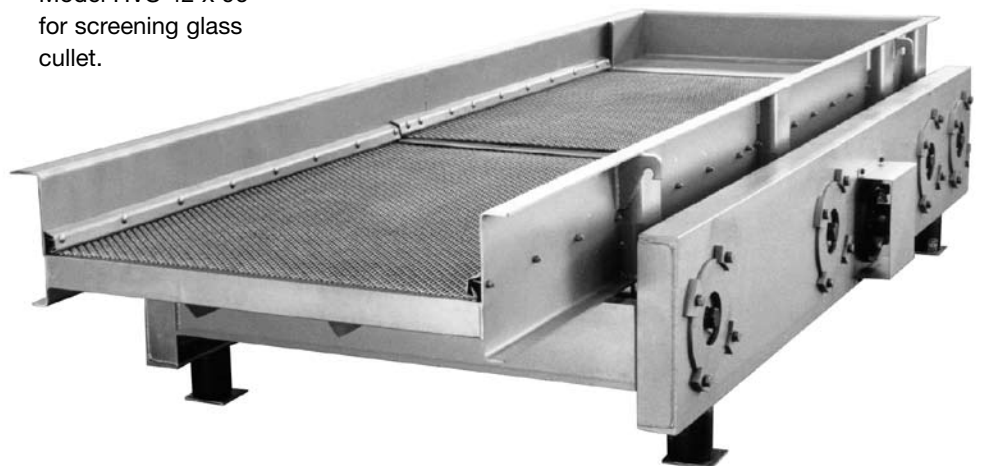
MECHANICAL SCREENER MODELS



Model HVS 18 x 48
for sizing rock salt.

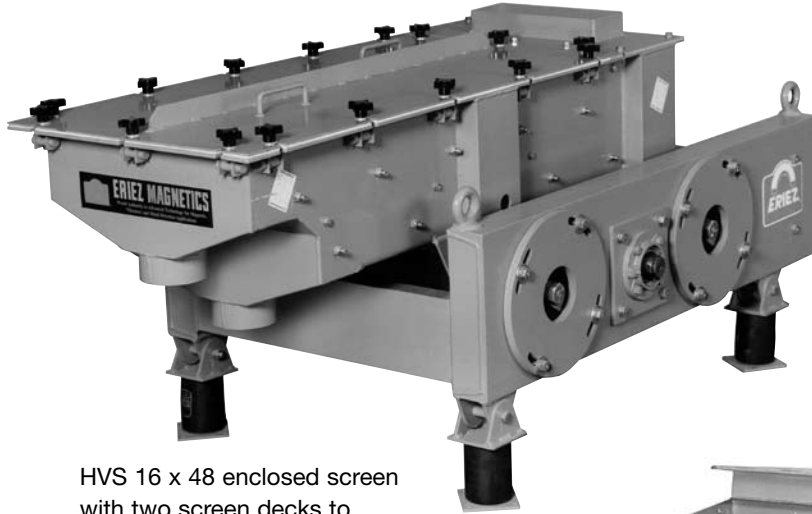


Model HVS 36 x 96
with overhead drive
for screening
chopped fiberglass.



Model HVS 42 x 96
for screening glass
cullet.

MECHANICAL SCREENER MODELS



HVS 16 x 48 enclosed screen with two screen decks to separate both over and under size materials.



This Model TMS 30 x 60 screens oversize clumps of ore.



Model BFS with a 30 x 60 tray for removing excess water from seafood.

Note: Some safety warning labels or guarding may have been removed before photographing this equipment.

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World Authority in Advanced Technology for Magnetic, Vibratory and Inspection Applications

