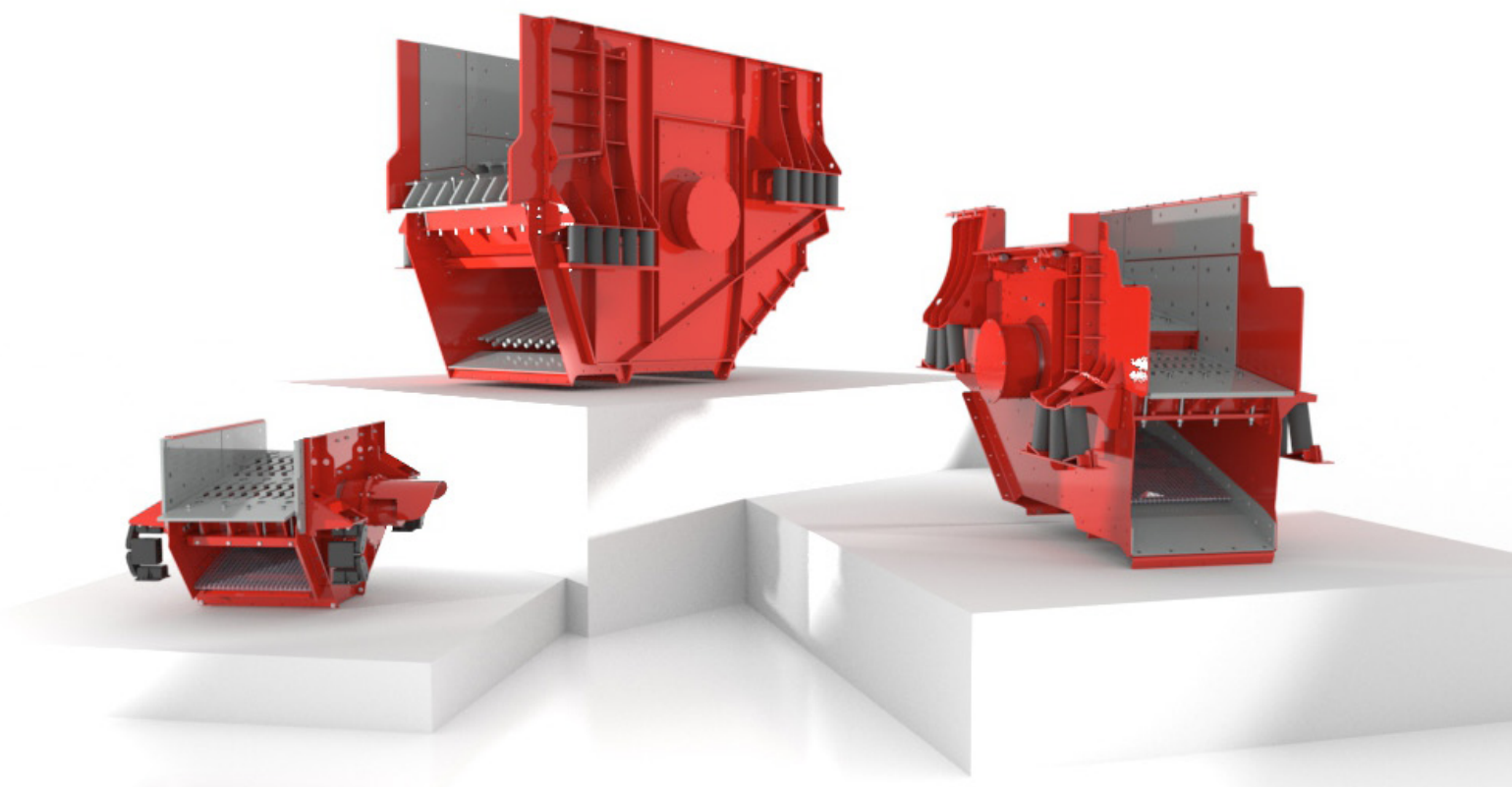
SWISS POWER

GISLER POWER

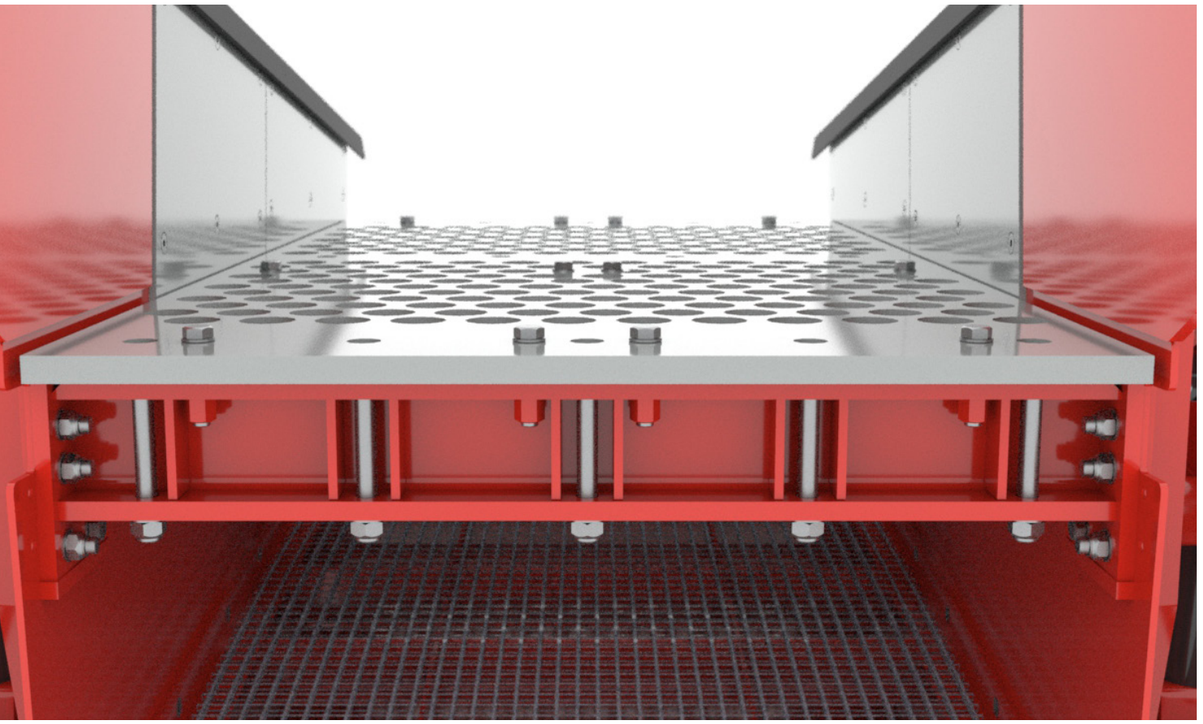
COARSE PRE-SCREENING MACHINE

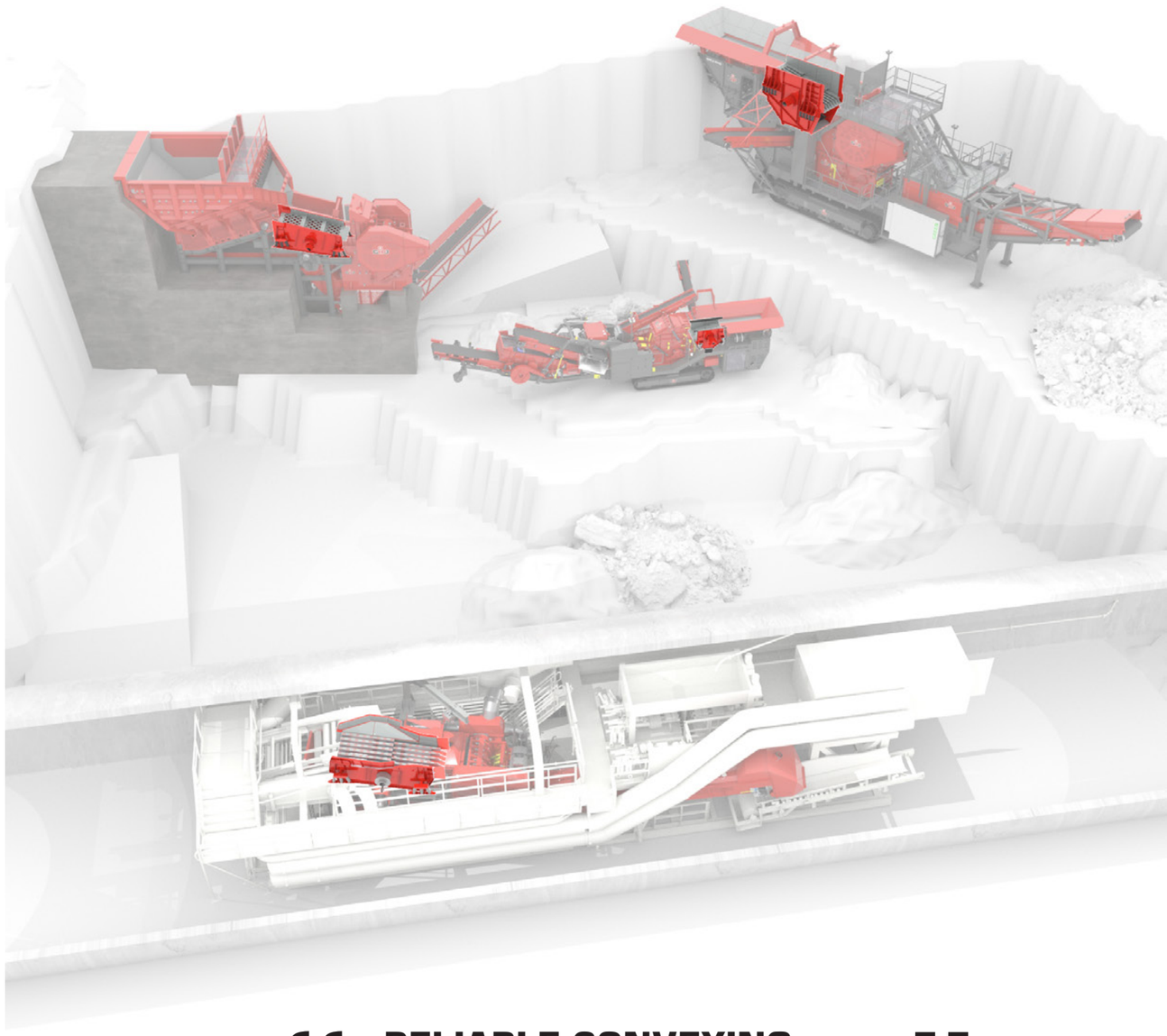


COMPONENTS

PRE-SCREENING MACHINE – OPTIMAL CLASSIFICATION

The GIPO pre-screening machine is an outstanding product for screen classification. Our specialities include standard and individual solutions in the area of quarrying, mining, recycling and reclamation. We cover all areas of classification with a range of different screen configurations. Precision, high-quality processing enables optimal conveying of the material. You can use the pre-screening machine as either a coarse screen or a classifier screen. The pre-screening machine is suitable for mobile as well as stationary applications.

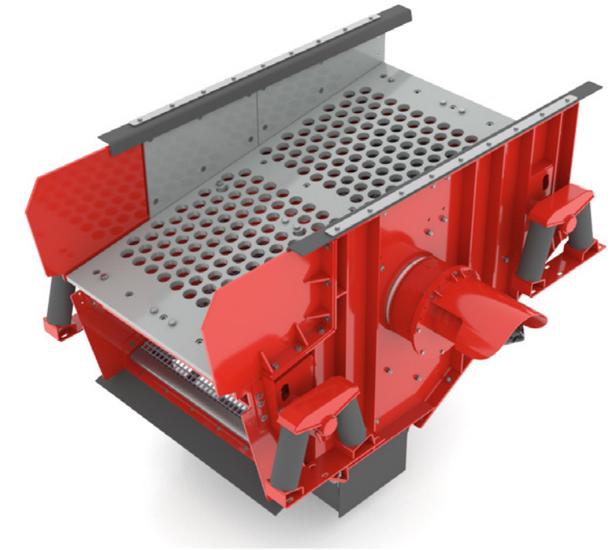


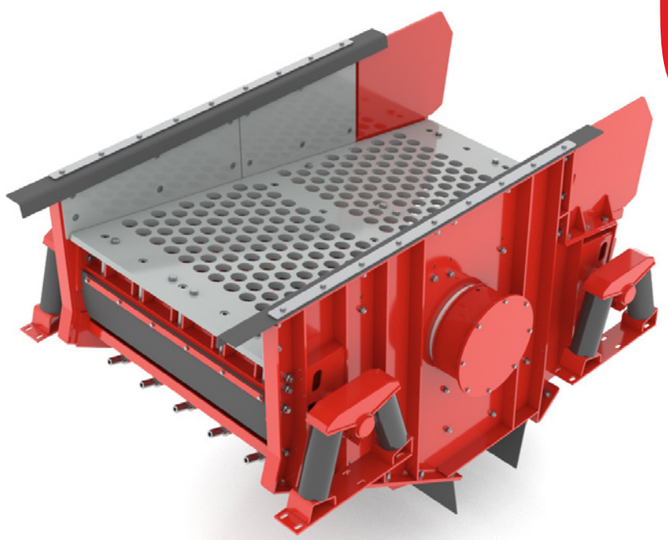


“ RELIABLE CONVEYING FOR TOUGH APPLICATIONS ”

INDIVIDUAL – ADVANCED – DEPENDABLE

The pre-screening machine removes the fine portion from the feed material. The particle size of the fine portion is determined by the type of configuration. The fine material is then stored on the heap or fed to the crusher unit.



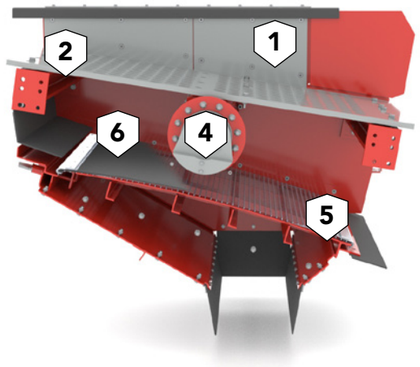


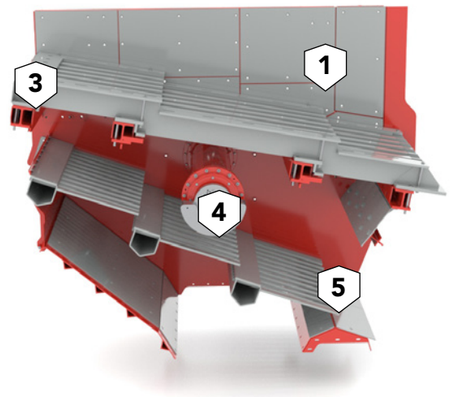
"VERSATILE AND ROBUST"

The flexible application area combined with extremely robust construction make our pre-screening machines unique, which is reflected in the level of customer satisfaction.

EUGEN-JESSE GASSER
SALES / EXTERNAL SALES TEAM
GIPO AG

MAIN FEATURES





WORLD-CLASS PRE-SCREENING MACHINES

From a 1-deck pre-screening machine (2 fractions) to a 3-deck version (4 fractions) with numerous configuration variants, there are countless different possible combinations. GIPO AG explicitly addresses your wishes and puts together a pre-screening machine to suit your needs. Emphasis is also placed on a high-quality finish and an easy-to-maintain design. All these factors make it possible to separate even very difficult materials cleanly.

1 WEARING LINING
With numerous material thicknesses and a broad spectrum of qualities, GIPO AG offers maximum efficiency.

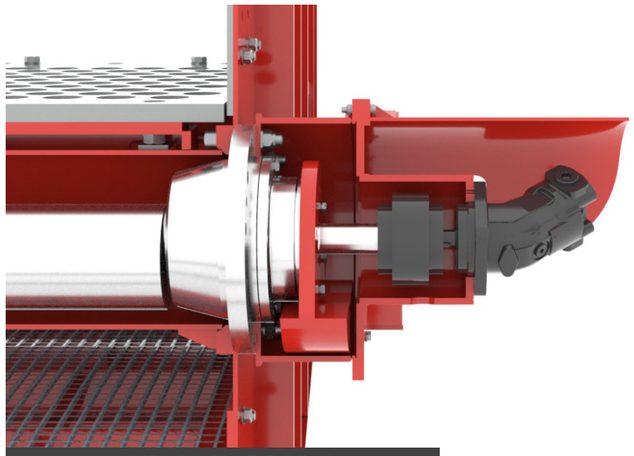
2 ROUND PUNCH PLATE
All round punch plates are manufactured specifically for your requirements.

3 STEPPED PUNCH PLATE
Due to the sophisticated design of the stepped punch plate, blockages caused by feed materials with a tendency to clog are prevented.

4 ECCENTRIC DRIVE
With its circular, oscillatory motion, the eccentric drive transports all types of feed materials.

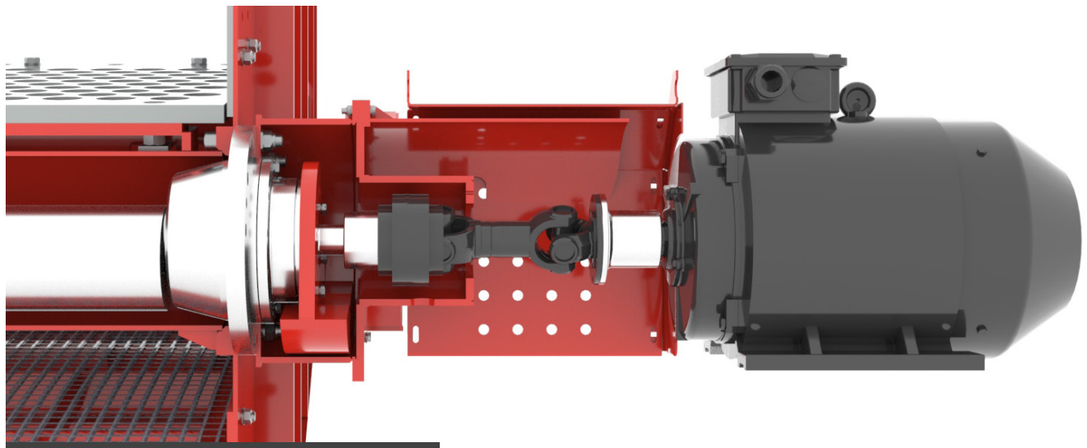
5 SCREEN GRATING
We offer appropriate solutions in relation to the design of the mesh and the material to suit your application area.

6 BLANKING COVER
The blanking cover forwards the material flow directly without further classification.



IMBALANCE DRIVE HYDRAULICALLY POWERED

ADJUSTING THE WEIGHTS CHANGES THE MAGNITUDE OF THE VIBRATION AND THE ACCELERATION OF THE MATERIAL. IN THIS WAY, FOR INSTANCE, CLOGGING CAN BE CONTROLLED.



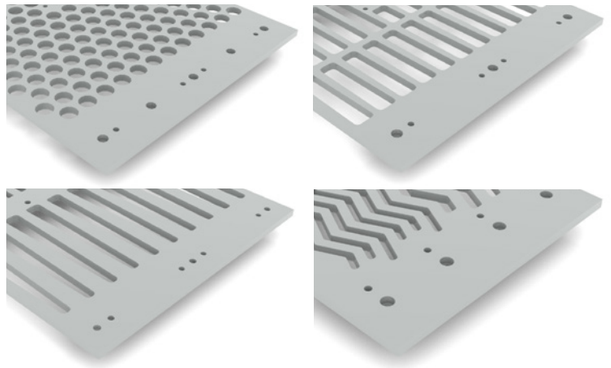
IMBALANCE DRIVE ELECTRICALLY POWERED

DRIVE VARIANTS

The hydraulically or electrically powered imbalance drive conveys the feed material. The imbalance drive consists of a solid shaft and the imbalance weights attached to the ends. Adjusting the weights changes the magnitude of the vibration and the acceleration of the material. In this way, for instance, clogging can be controlled.

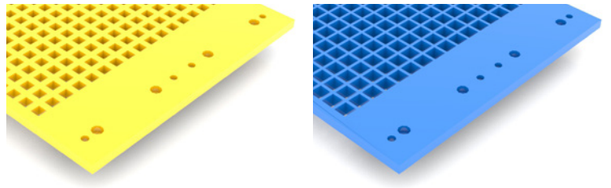
SCREEN CONFIGURATION VARIANTS

The robust screens used by GIPO AG allow cost-effective, reliable separation of the feed material. Metal and plastic screens are used; the screens are selected to suit the application. The types of screen covering and fastening are agreed with the customer and matched to the crushed material to ensure a highly flexible screening result as well as excellent ease of use.



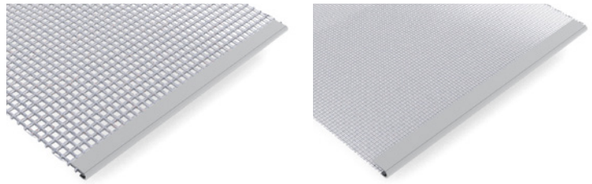
ROUND PUNCH PLATE

The correct selection of the round punch plate is essential for efficient pre-screening. For this reason, we offer bespoke round punch plates manufactured to suit your needs and requirements exactly. We would be pleased to assist with correct selection.



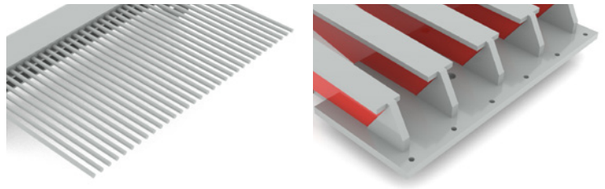
PLASTIC SCREEN

The screens made of highly wear-resistant polyurethane are manufactured individually in a wide range of hardness ratings. Hole shape and size are designed to suit customer wishes.



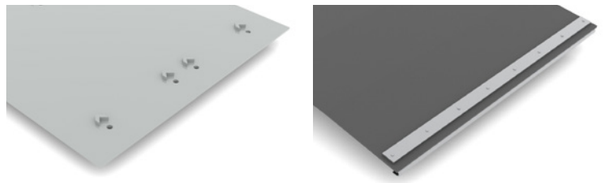
SCREEN GRATING

Screen gratings are available in a wide range of versions and variants for the dry, damp and wet screening of crushed material.



GRIZZLY

A grizzly is recommended for the efficient processing of very glutinous feed material that would clog other screens.



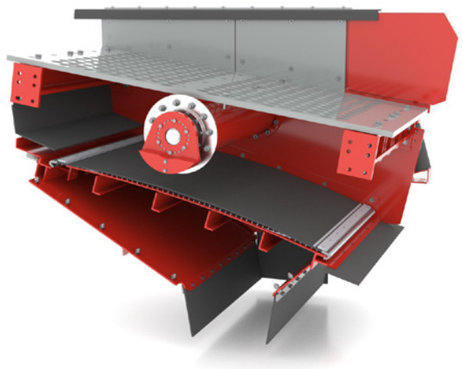
BLANKING COVER

Blanking covers are available in a wide range of variants, from rubber to steel. The blanking cover can be used to bypass classification, i.e. the material is forwarded directly to the material flow.

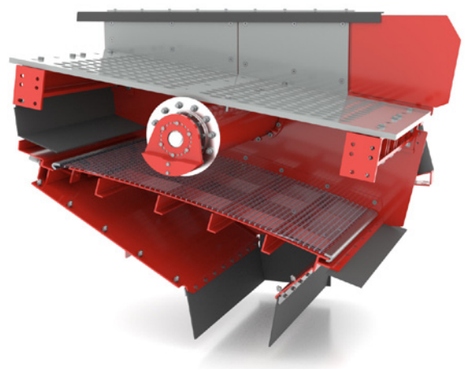
WEARING PLATES

Highly wear-resistant plates are fitted to protect the pre-screening machine in areas subject to particularly high wear. Removal and replacement of the worn plates is straightforward. Alternatively, depending on the material conveyed or the application, it is possible to protect the highly exposed areas with wearing rubber. This protection prevents damage to the expensive screen housing.

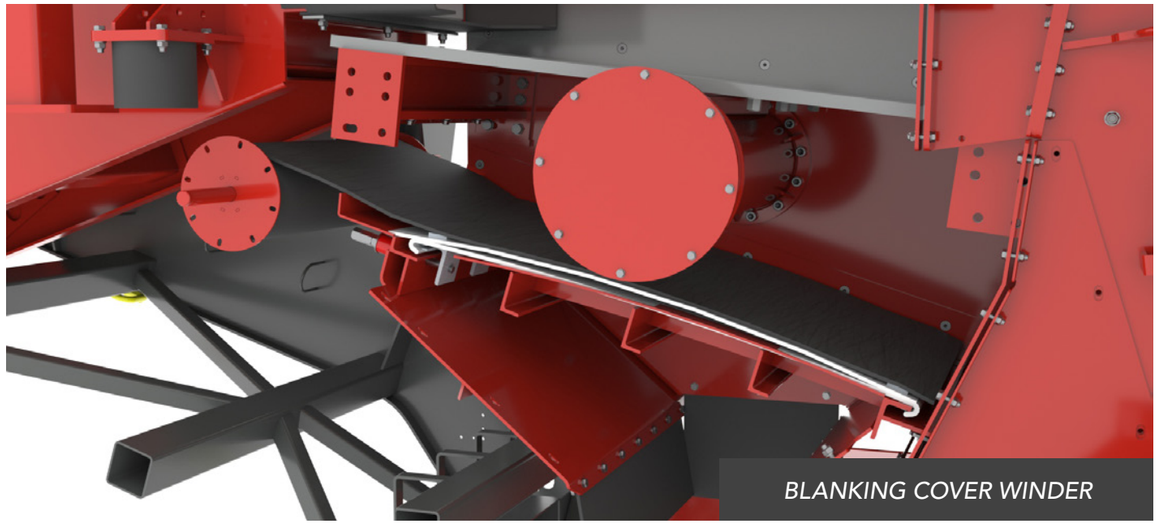
WEARING LINING



1-DECK SCREEN VARIANT

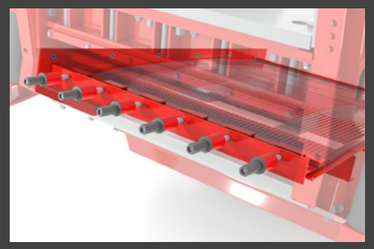


2-DECK SCREEN VARIANT

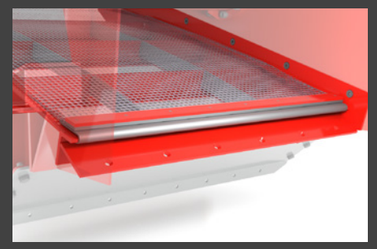


BLANKING COVER WINDER

FASTENING VARIANTS, SCREEN GRATINGS



TENSIONING DEVICE

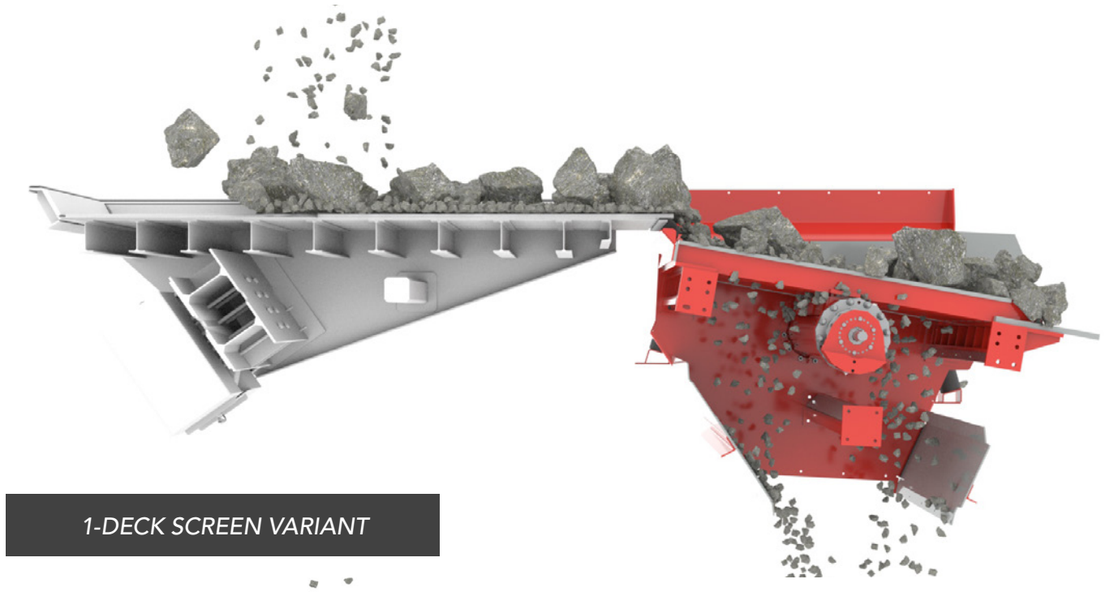


CLAMPING DEVICE

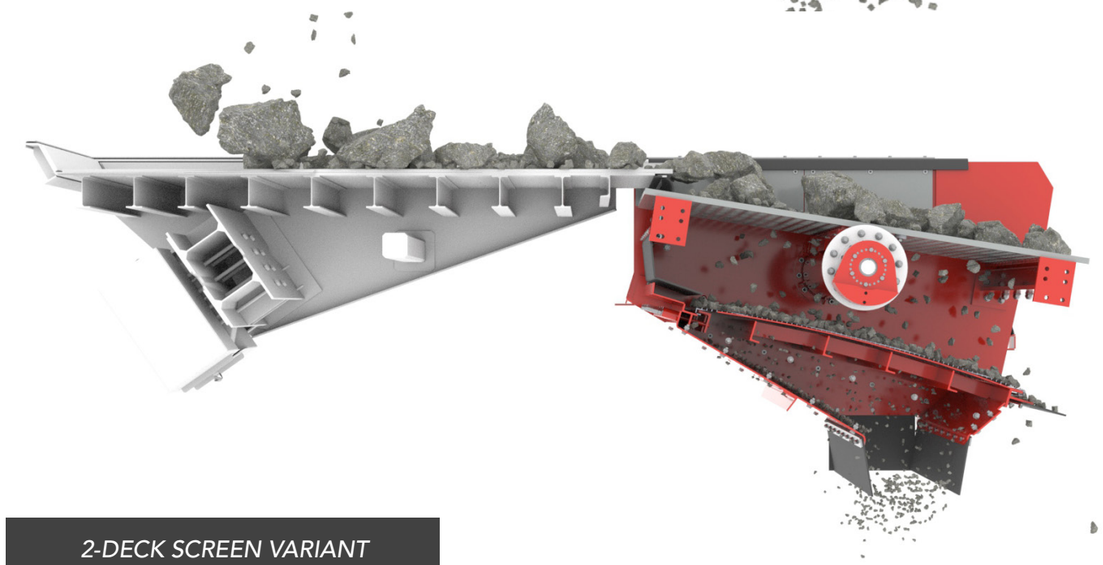
The robust screens used by GIPO AG allow cost-effective, reliable separation of the feed material. Metal and plastic screens are used; the screens are selected to suit the application. The types of screen covering and fastening are agreed with the customer and matched to the crushed material to ensure a highly flexible screening result as well as excellent ease of use.

SCREEN DECK (1 TO 2-DECK VERSION)

From the 1-deck to the 2-deck pre-screening machine, we offer the appropriate solution for all application areas. Here we are able to draw on extensive experience and use only high-quality products and materials for manufacture so that we deliver an efficient, robust pre-screening machine that meets your wishes.



1-DECK SCREEN VARIANT



2-DECK SCREEN VARIANT

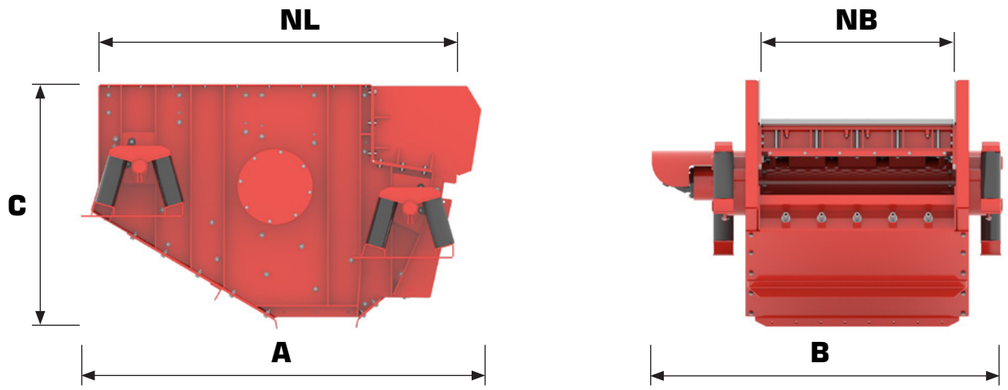
PRE-SCREENING MACHINE PERFORMANCE

The performance of a pre-screening machine depends on many factors, e.g. the size and characteristics of the screen mesh, the intensity of the vibration and the nature of the material to be screened. An effective pre-screening machine can process large quantities of material in a short time and achieve high separation performance. It can also contribute to the improvement of the quality of the end product by removing impurities and ensuring a consistent particle size distribution. Also, with a high-performance pre-screening machine, it is possible to improve the productivity and efficiency of production processes because the material consumption and the effort required can be reduced.

Pre-screening machine	Useful width **NB** Upper deck approx. (mm)	Useful length **NL** Upper deck approx. (mm)	Useful width **NB** Lower deck approx. (mm)	Useful length **NL** Lower deck approx. (mm)	Imbalance drive	Total weight approx. (t)	External length **A** approx. (mm)	External width **B** approx. (mm)	External height **C** approx. (mm)	Screen inclination approx. (°)
VS 8014	800	1,515	780	1,000	UWL 215	1.5	1,650	1,850	1,450	10
VS 9018	900	1,920	880	1,285	UWL 215	2.2	2,050	1,900	1,650	7
VS 9030	900	3,280	880	2 x 1,285	UWL 300 +	4.7	3,300	1,900	2,200	10
VS 1022	1,000	2,225	980	1,670	UWL 215	2.6	2,500	2,000	1,550	9
VS 1122	1,090	2,600	1,080	1,670	UWL 215	2.9	3,000	2,150	1,700	9
VS 1222	1,200	2,225	1,180	1,670	UWL 215	2.9	2,500	2,150	1,900	9
VS 1230	1,200	3,160	1,180	2 x 1,250	UWL 300 +	5.2	3,300	2,000	2,250	10
VS 1322	1,290	2,500	1,280	1,670	UWL 215	3.2	2,600	2,300	1,850	9
VS 1330	1,290	3,410	1,280	2 x 1,180	UWL 300 +	6.0	3,550	2,000	2,450	10
VS 1430	1,430	3,160	1,410	2 x 1,250	UWL 300 +	5.7	3,300	2,550	2,600	10
VS 1630	1,600	3,300	1,580	2 x 1,180	UWL 360	7.9	3,450	2,750	2,650	10

Tensioned screens are fitted to the pre-screening machine longitudinally using a tensioning device. Along with our standard sizes, which are matched to downstream components from GIPO AG in the processing chain, we can also manufacture bespoke designs. The length can be manufactured to customer requirements.

* The drive power is designed to suit the length, installation position and feed hopper capacity.
** The total weight may vary depending on the length.
Dimension **A** is designed to suit the application or as required.
Dimension **B** may vary depending on the width of the support and is designed correspondingly.



** The values stated in relation to the crushing performance and feed material lump size are heavily dependent on the characteristics of the feed material (condition/abrasiveness, particle size distribution, portion of fine material, etc.), the required final particle size, optimal operation of the plant and feeding, as well as the correct adjustment of the plant.*

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