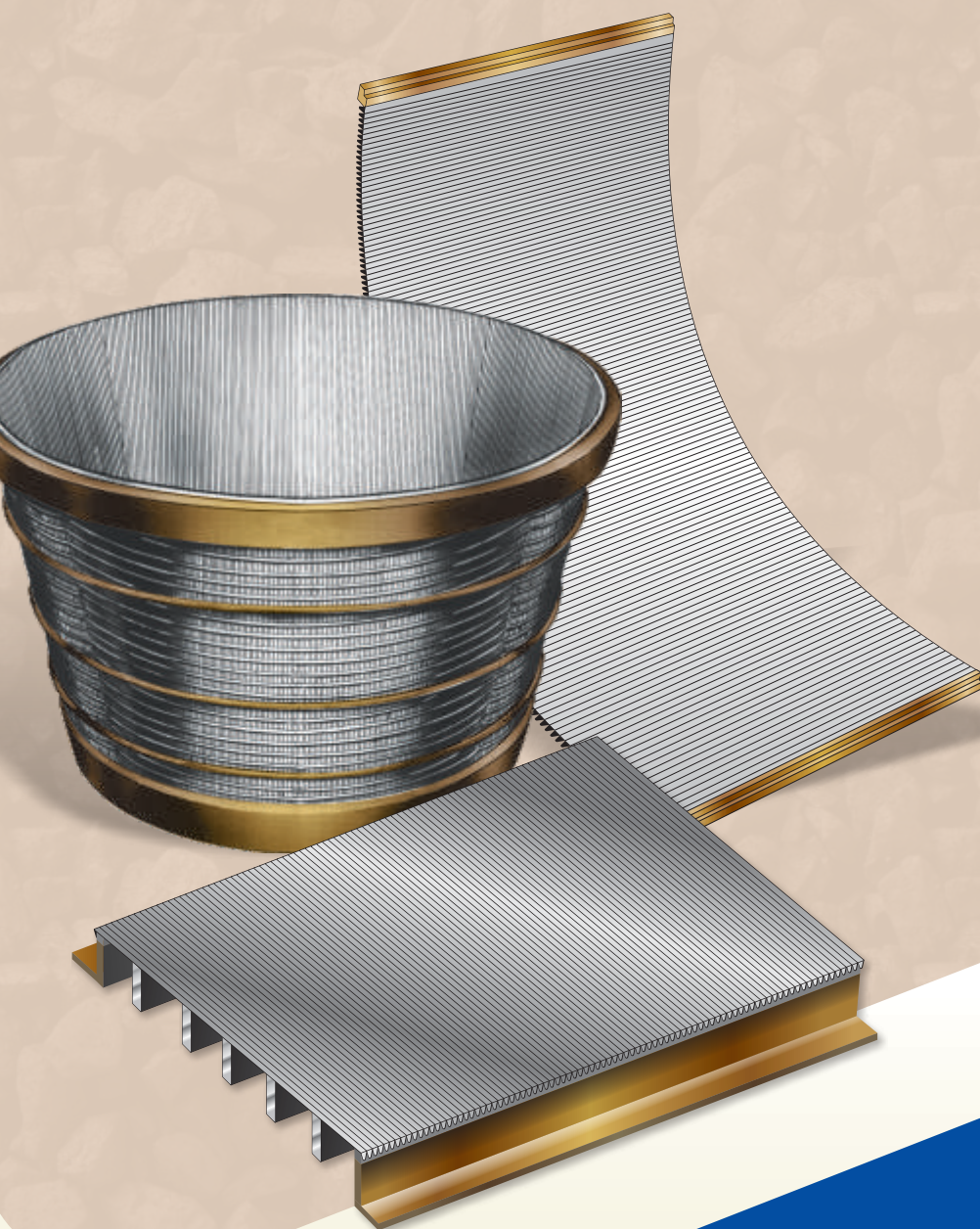




MINERAL PROCESSING APPLICATIONS

State of art technology by global team of experts



Applications areas

Stratification
Dewatering
Separation
Drying Classifying

Advantages

The all welded construction gives following unmatched benefits

- ▶ Higher % open area
- ▶ Flexibility in design and better rigidity
- ▶ Longer wear life
- ▶ Better strength
- ▶ Easy of installation

Industry segments

Coal mines | Iron ore mine | Steel plant
Coal processing unit | Mineral processing unit

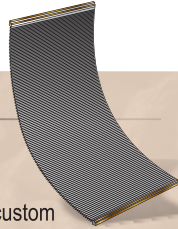


Superior technology to optimize screening applications in mining industry

MINERAL PROCESSING APPLICATIONS

Apollo screens - A new venture by APOLLO GROUP, A renowned engineering house with strong image in its core business combines its engineering expertise, long term vision and ethical business approach with a global team of experts in design and manufacture of screens for wide range of applications.

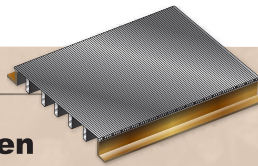
Apollo screens unit -The plant & Critical Equipments are designed & manufactured by Apollo group having team of engineers who have hands on experience & technology base for these specialised machines. The plant is equipped with state of art technology based machines to produce finest quality screens with minimal tolerances to achieve excellent product quality.



Sieve Bend

Sieve Bend Screen is custom designed Cross-flow type screen. The profile wires are slightly tilted to give cutting edge for greatly increased dewatering capacity

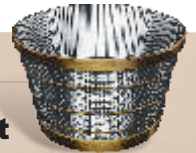
These screens are used for sizing, dewatering & classification application in Coal and iron ore mining industry. Size, angle and fitment to suit any sieve bend box.



Flat Screen

The all welded construction flat screen panels are the best screen media for vibrating screens used for sizing, dewatering and classification application in Coal, iron ore and other mineral processing industry.

All welded construction allows the use of strip rods to have very good strength.

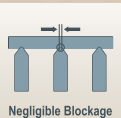


Centrifuge Basket

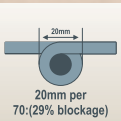
Centrifuge basket is designed to suit most of centrifugal dryers in coal processing unit.

Wide range of shaped wires to best suit the application. Wear angle and wire shape designed to achieve the better wear life of basket.

Design & Construction Features



Negligible Blockage

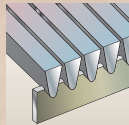
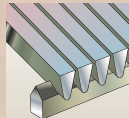


20mm per 70% (29% blockage)

HIGHER % OPEN AREA

The blockage by support rod is negligible, due to all welded construction and peak shaped support rod used in screen. This gives higher open area resulting into higher screening efficiency.

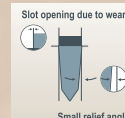
In case of looped wire alternate the dia. of loop is larger and allows only round shaped rods causing higher blockage of open area.



FLEXIBILITY IN DESIGN

The all welded panel can be made with combination of various shapes of shaped wire & support rods. This gives flexibility in designing the most suitable product.

Wedge wire (shaped support rod & wire) with more height and multiple side angles can be easily used in case of all welded panel to get better strength. Whereas in looped wire more height of wedge wire means bigger loops, lesser open area and bulkier panel.

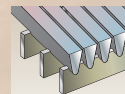


Small relief angle

LONGER LIFE

Due to all welded construction & better strength the Life of all welded panels is longer.

The wear life of all welded panel can be increased by using more height & less side angle of wedge wire giving lesser slot widening per unit surface wear.



BETTER STRENGTH

Due to all welded construction, each intersection of support rod with shape wire is firmly welded by resistance welding to make them one metal. This joint is much stronger than a loop wire construction.

Due to flexibility in selecting the shape of support rod the unsupported span of wedge wire between two support rods can be reduce by placing the support rods more closer without compromising the open area & increasing the weight. This is giving much better load carrying strength to panel.

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