



ALL TYPES OF WEDGE WIRE SCREENS

COMPANY PROFILE



Hiranya Industries manufacturing Looped, welded & mild wedge wire screen in one roof. Now we are developing Hiranya Wedge Wire unique metal to metal welded wedge wire screen in V shape and loop screens wire is made from round wire which is first loop at regularly pitched intervals and then pressed into deep wedge shaped. The loops themselves are pressed so as to produce at each side accurately sizes spacing shoulders which but together when the wires are assembled. The width of the slot apertures in the finished panel is determined by the difference between the width of the top face of the wedge profile and the width over the spacing shoulders. IN contrast the welded method a demand has grown for wedge wire assembled by welding. We have met this demand with the very latest in TIG welding technology to weld for wedge screen typical application areas. Mild screen are use when sticky production materials in centrifuge machinery .Mild screen give a best results better than another welded wedge wire screen for sticky materials.



OUR PRODUCTS

LOOPED / WELDED WEDGE WIRE SCREENS

Hiranya Industries manufacturing looped and welded wedge wire screens. Now we are developing Hiranya Wedge Wire unique metal to metal welded wedge wire screen in V shape and loop screens wire is made from round wire which is first loop at regularly pitched intervals and then pressed into deep wedge shaped. The loops themselves are pressed so as to produce at each side accurately sizes spacing shoulders which but together when the wires are assembled. The width of the slot apertures in the finished panel is determined by the difference between the width of the top face of the wedge profile and the width over the spacing shoulders. In contrast the welded method a demand has grown for wedge wire assembled by welding. We have met this demand with the very latest in TIG welding technology to weld for wedge screen typical application areas.



PARABOLIC RUNDOWN SCREENS

Parabolic Rundown Screens is a general term we use to cover Parabolic Screens, Rundown Screens and Static Screens. Parabolic Rundown Screens are widely used in many processes and effluent conditions for the efficient separation of liquids & solids.

The non-mechanical, low maintenance aspects of Parabolic Rundown Screens relies on a uniform feed over a fabricated distribution weir, a reversible wedge wire sieve bend with a cross-flow presentation to allow effective dewatering and gravity solids discharge. Standard radii at varying widths are available to suit flow rate and slot gap requirements of our Parabolic Rundown Screens.



WEDGE WIRE FLAT PANELS

Flat panels are the most widely used type of wedge screens mainly in the mineral processing both for stationery as well as vibratory decks. Flat panels are dependable for effective sizing or classifying as they have accurate bars spacing from as low as 0.01 mm to 4.5 mm at interval of 0.01 mm. Because of in looped construction they probably have the highest strength for any particular size and self supporting and do not require support for long distances.



OUR PRODUCTS

PUSHER CENTRIFUGE/CONICAL BASKET (SIEVES SEGMENT)

In addition to flat panels, wedge wires can be readily made up into full cylinders and segments of cylinders in most cases, the cross rods lie along the circumference and the profile wires lie parallel to the axis. Occasionally, this arrangement is reversed.

Very High efficiency baskets are made from looped wedge wire and also made from metal to metal welded wedge wire in conical shape, Cylindrical shape and in double Cylindrical shape and pusher type centrifuge basket. The wedge wire baskets have clear advantage of very high filtration efficiency, longer life and accurate aperture over any other conventional screen baskets. We can manufacture in large sections, giving simple and speedy fitting, ensuring short down times greater free area, resulting in better dewatering and greater throughput. Conical and Cylindrical baskets can be tailor made to suit the customer requirement and maximum efficiency.



OUR PRODUCTS

ROTARY WEDGE WIRE SCREEN (WEDGE WIRE DRUM SCREENS)

Hiranya Wedge wire has developed rotary screens complete with side flanges and support/drive drums of stainless steel mainly for sugar and other chemical plants to achieve very efficient filtration. Our rotary screens have very strength coupled with very high open area and rigid construction. Rotary screen sizes from 1000 mm to 5500 mm long. Flow rates are depends on rotary screens open area and sizes .We will make a Rotary screen up to 3000 mm diameter. Rotary screen are available in various size and are capable of handling crushing capacity in excess of 10000 TCD.



OUR PRODUCTS

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OUR PRODUCTS

CENTRIFUGE BASKET

Very High efficiency basket are made from looped wedge wire and also made from metal to metal welded wedge wire in conical shape, Cylindrical shape and in double Cylindrical shape and pusher type centrifuge. The wedge wire baskets have clear advantage of very high filtration efficiency, longer life and accurate aperture over any other conventional screen baskets. We can manufacture in large sections, giving simple and speedy fitting, ensuring short down times greater free area, resulting in better dewatering and greater throughput. Conical and Cylindrical baskets can be tailor made to suit the customer requirement and maximum efficiency.



CONVEYOR WEDGE WIRE SCREEN

We are making a wedge wire conveyor screen as per client's requirement. Conveyor wedge wire screen particular use in food factory for receives the materials from feed hopper and transports at a pre determined speed from the feed end to discharge end.

The band conveyor moves over rails suitably located inside the Extractor and rides on specially constructed sprockets at other end. The speed of the band conveyor is easily adjustable within desired limits. An adjustable damper enables the regulation of height of bed of material on band conveyor.



CYLINDRICAL WEDGE WIRE SCREENS (STRAINER WEDGE WIRE SCREEN)

In addition to flat panels, wedge wires can be readily made up into full cylinders and segments of cylinders in most cases, the cross rods lie along the circumference and the profile wires lie parallel to the axis. Occasionally, this arrangement is reversed.



OUR PRODUCTS

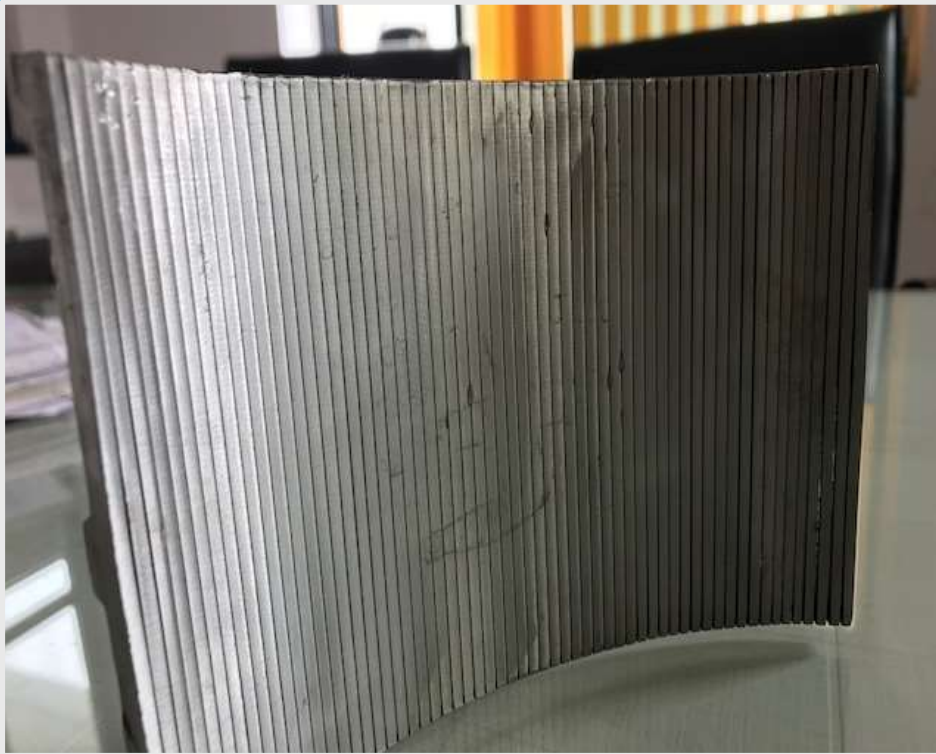
STRAINER WEDGE WIRE SCREEN

Hiranya Industries manufacturing strainer wedge wire screen in many types of strainer like a Basket stainer , Tee stainer , Y stainer , Duplex stainer , Conical strainers and automatic self cleaning stainer . We are also manufacture strainers complete set with housing as per party requirement . We provide complete engineering capabilities featuring in house design CAD service and 3D product models allow us to design your system. We are hands on company with the philosophy of striving to exceed our customer's expectations in competitiveness, quality and service. Always working harder to serve you better.



MILD STEEL WEDGE WIRE SCREENS

Mild screen are use when sticky production materials in centrifuge machinery. Mild screen give a be a centrifuge basket, DSM Screen, Conical basket & Rotary Screen in mild screenest results better than another welded wedge wire screen for sticky materials.



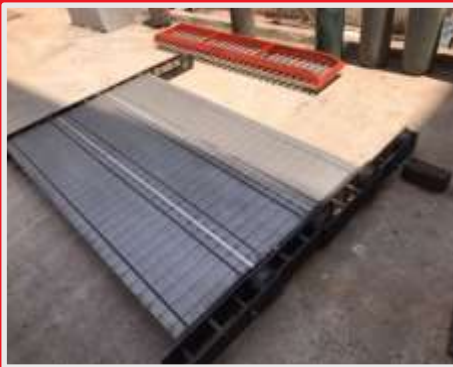
OUR PRODUCTS

CADRES FRAME

These cadre frames are specially designed for Solvent Extractor. This is fitted with the extractor chain. This is made from tested material. The various type of standardized are available for perfect Suitability.

As a leading manufacturer, we are indulged in manufacturing and supplying the durable range of Extractor Cadre Frame. Our experts have designed these products, especially for Solvent Extractor.

To manufacture these products, we are associated with trusted vendors to procure superior quality of raw materials. For perfect fitting, we offer these products in different model and design.



OUR PRODUCTS

DEWATERING SCREW PRESS MANUFACTURER

We are manufacturing Dewatering Screw Press for several applications over a period of three decades. Hiranya dewatering products have gained reputation for its quality & efficiency. Our supply & installations of machinery supplemented by our quality services which gained us a 100% customer satisfaction.

Product design is configured to suit the particular materials to be processed. We always take care of international advances in technology to help our customer to get the best of the time which we had expertise over years of experience. Thus the product ensures optimum performance and customer satisfaction.

Screw presses are used to dewater materials of different consistencies.

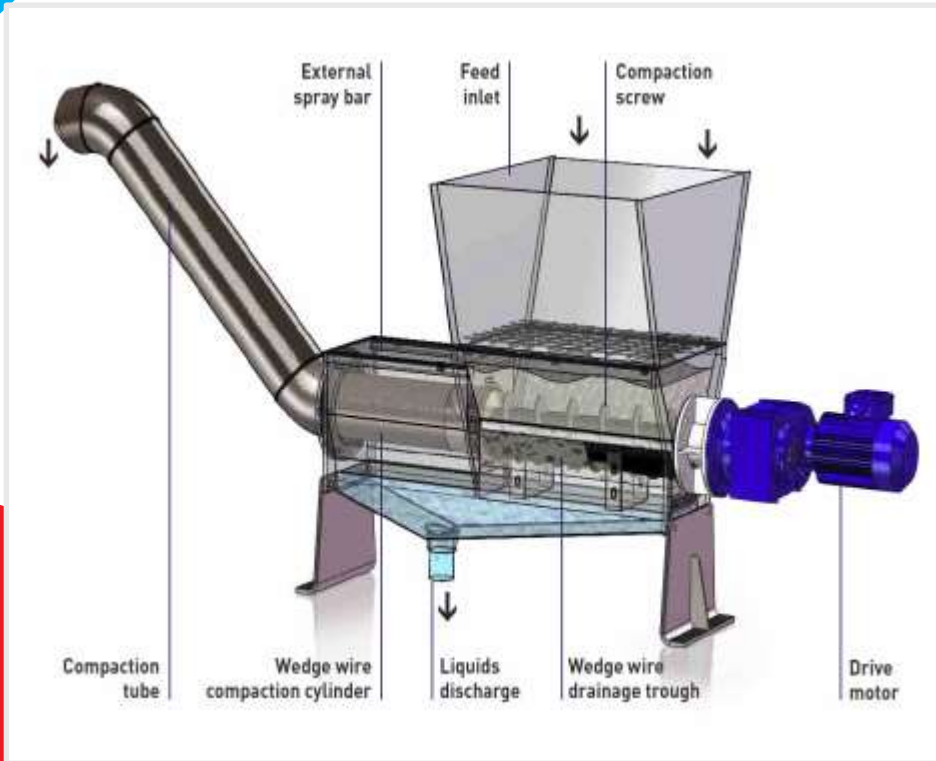


DEWATERING SCREW PRESS MANUFACTURER

The use or objective of dewatering screw press varies according to the material:

- Improve the material behaviour for further processing
- Improve storage life of the material
- Reduce weight or volume which in turns reduce transportation
- Increase gross calorific value
- The method of functioning

The material is fed to the pressing screw through a feed hopper, and the pressing screw conveys it into the compression area, where the product is further compressed during onward transportation. This achieves reducing the volume in the screw flights of the press. At the end of the compression area, the product leaves the press through the discharge hopper. Screw presses are driven by mechanical or hydraulic systems with infinitely variable speed or electronic control..



OUR PRODUCTS

SEWAGE, EFFLUENT AND WATER TREATMENT

The Hiranya Industries wedge wire Rotary drum screen is a suitable for fine screening of sewage and industrial effluent. It is the ideal solution for large applications requiring fine screens with openings as fine as 1 mm and no carryover. This equipment is available in a wide range of hydraulic and separation capacities to allow customizing for the most effective solution for your application. Rotary sewage drums in industrial applications or municipal wastewaters where they sometimes operate at near nominal flow capacity due to high fiber concentration in the solids load. These fibers agglomerate and absorb grease as they tumble towards the discharge end of the drum screen, cleaning the openings, allowing liquid to drain, and enhancing the effectiveness of the rotary screen's dual spray wash system..

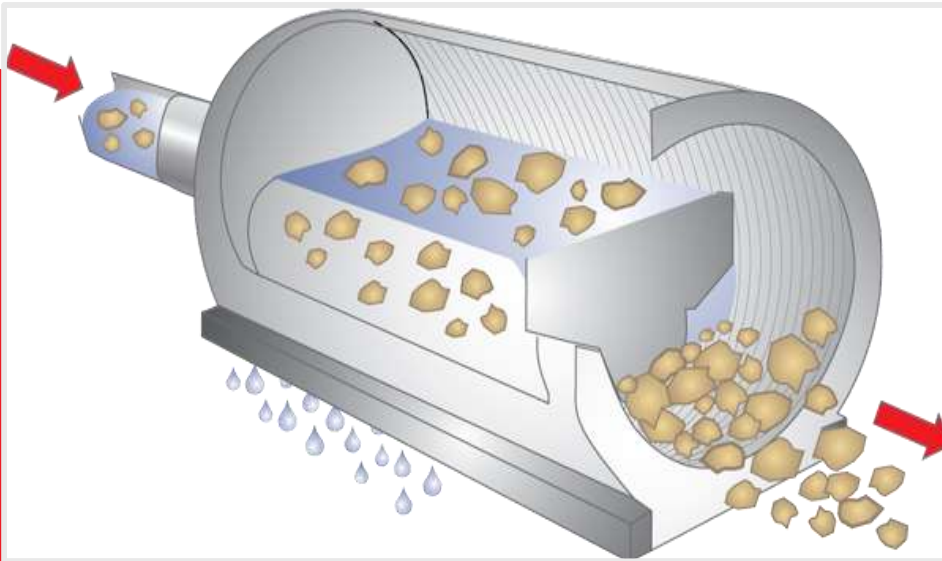
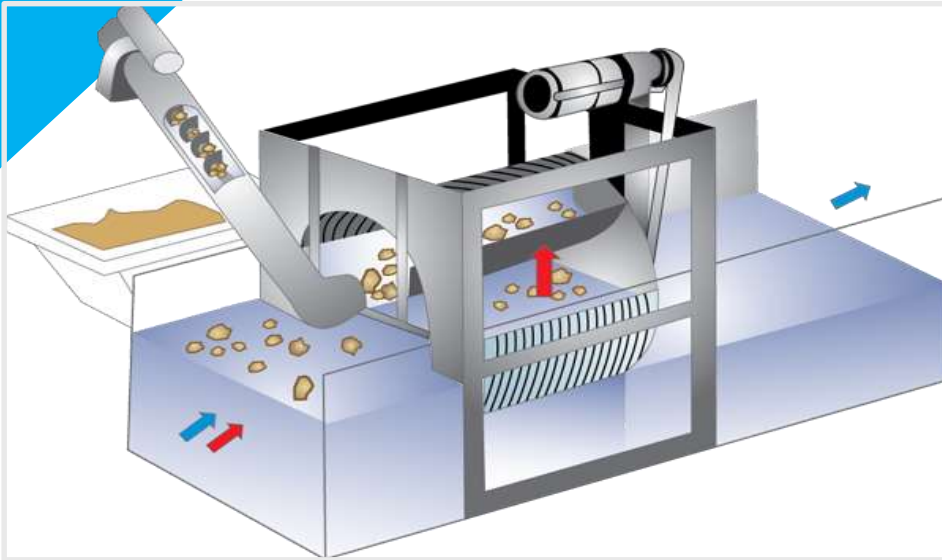


OUR PRODUCTS

SEWAGE, EFFLUENT AND WATER TREATMENT

Product Highlights of the Horizontal Drum Screen:

- 304 or 316 stainless steel
- 0.5mm to 5mm wedge wire screen
- Larger screen field area than conventional for in-channel drum screen
- Horizontal drum screen
- No carry-over
- Integrated screw conveyor/compactor
- No mechanical serviceable parts in effluent process stream
- Dual spray screen washer system



INDUSTRIAL APPLICATIONS

- ✓ COAL AND COKE WASHERIES
- ✓ ORES BENEFICENT PLANTS
- ✓ SUGAR MILLS
- ✓ CEMENT, CHEMICALS AND FERTILIZER PLANTS
- ✓ CELLULOSE, WOOD AND STRAW PULP AND BOARD INDUSTRIES
- ✓ SEWAGE, EFFLUENT AND WATER TREATMENT
- ✓ MALT & FOOD GRAIN DRYING FLOORS & SOLVENT EXTRACTION PLANTS
- ✓ SALT WASHERY





We Built Your Dream Together



LOCATION
Plot No.8 , Rajdeep Industrial Estate,
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