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ENGINEERING**



AN ISO 9001:2008 International Standard

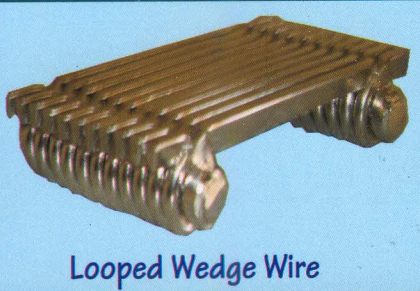
**GANESH  
WEDGE WIRE**

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## LOOPEL & METAL TO METAL WELDED WEDGE WIRE SCREEN AVAILABLE IN ONE ROOF AT GANESH WEDGE WIRE.

### THE COMPANY PROFILE :

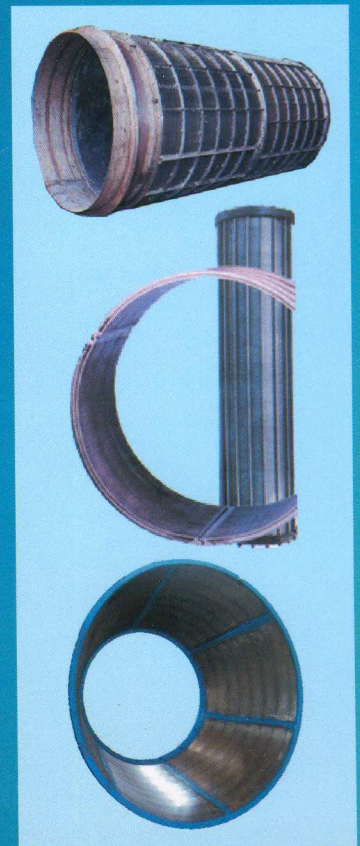
Ganesh Engineering a complete solution for pre engineering metal building, structure, civil work and we manufacturing suprimo turbo air ventilator, Suprimo birds gel a non toxic bio-degradable Bird deterrent gel and spikes and now we are developing Ganesh Wedge Wire unique metal to metal welded wedge 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 in to 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 assmblby by welding. We have met this demand with the very latest in TIG welding technology to weld metal for wedge wire screen Typical application areas.



Sugar Mills, Paper & Pulp industries, Petrochemical, Pharmaceuticals, Food & beverages Industries, Solvent extraction Plants, Sewage treatment Solt, Starch & Gelatin Plants, Coal / Coke Washeries, Cement Plant, Soda Ash Plant

### TYPE OF SCREEN -

- 1. ROTARY WEDGE WIRE SCREEN -** Ganesh Wedge wire has developed rotary screens complete with side flanges and support/drive drums of stainless still 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 1000mm to 5600mm long. flow rates are depend on rotary screens open area and size.
- 2. CURVED SCREENS/SIEVE BENDS & CYLINDERS -** In addition to flat panels, wedge wires can be readily made up into full cylinders and segments of cylinders in most cases, the cross rode lie along the circumference and the profile wires lie parallel to the axis. Occasionally, this arrangement is reversed.
- 3. 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.





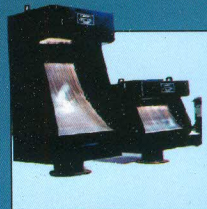
#### 4. **FLAT PANELS -**

Flat panels are the most widely used type of wedge wire screens mainly in the mineral processing both for stationary as well as vibratory decks. Flat panels are dependable for effective sizing or classifying as they have accurate bar spacing from as low as 0.01mm to 4.5 mm at interval of 0.01mm. 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.



#### 5. **RUN DOWN SCREENS -**

Ganesh Wedge Wire screens has developed run down screens (D.S.M. type) complete with box and curved wedge wire screens to suit particular requirements of the customer and application to enable a relatively low cost solution for separating solid and liquids in sugar, paper and pulp, water treatment and chemical industry.



#### **MOUNTING OF WEDGE WIRE PANELS ON VIBRATING DECK FRAME-**

While mounting of wedge wire screen panels utmost care should be taken that all screen panels are rigidly fixed on the deck frame the cover rail of flats used for bolting the panels on the deck frame must not be put directly on the panel surface. Rubber packing in between must be provided.

Sufficient rigid fixing is necessary so as not to develop any secondary vibration (flexing) under operation as this will result in premature failure of screen panels. To ensure the rigid fixing during operation periodical check of tightening bolts is recommended.

#### **INDUSTRIAL APPLICATIONS**

Wedge wires can be employed in almost all industrial processes which require very fine and uniformly accurate aperture combining rapid discharge of material and high mechanical strength. Some of the special applications of this screen are given below:

##### **1. COAL AND COKE WASHERIES**

Flat and curve wedge wire screen and centrifuge baskets with suitable re-inforcement are used for dewatering processes on stationary and moving frames, suction filters and centrifugal driers.

##### **2. ORES BENEFICIANT PLANTS**

In Iron and other Ores beneficiant plants, wedge wire flat and screens, Curved screen and centrifuge baskets of fine and very fine aperture are used for efficient Dewatering and recovery of fines.

##### **3. SUGAR MILLS**

Flat, Curved and cylindrical wedge wire screens are used for Juice filtration and Bagasse Separation drainage in tanks in conjunction with scraper conveyors as well as for draining crushed sugar cane supply in D.S.M. Screens.

##### **4. CEMENT, CHEMICAL AND FERTILISER PLANTS**

Flat Panels, curved wedge wire screens, Cylinders and Centrifuge baskets with cylindrical type, conical type and pusher type have many and varied applications in these industries.

##### **5. CELLULOSE, WOOD AND STRAW PULP AND BOARD INDUSTRIES**

Wedge wire cylinders, flat panels and centrifuge baskets are used for preliminary screening for knot catchers and for efficient fibre recovery. Wedge wire screens ensure greater efficiency than the conventional perforated or machined slotted plates.

##### **6. SEWAGE, EFFLUENT AND WATER TREATMENT**

Flat wedge wire decking in final settlement tanks provides tertiary treatment for the reduction of suspended solids. It is also the medium used in a technique for the consolidation of sludges where the rate of filtration is controlled at low operating pressures. Sewage, Aluminium hydroxide, iron hydroxide and other industrial sludges are being successfully dewatered on wedge wire.

##### **7. MALT & FOOD GRAIN DRYING FLOORS & SOLVENT EXTRACTION PLANTS.**

Wedge wires also used for making up ventilation floors and has been found very suitable for malt kiln flooring grain drying flooring and air curtains. Vertical type solvent extraction plants also uses Wedge Wire Screen or high efficiency of extraction.

##### **8. SALT WASHERY**

Cylindrical and Conical type centrifuge baskets of fine aperture to suit any existing centrifuges having precise aperture, high mechanical strength and corrosion resistance are extraordinary being used in modern salt washeries. Curved screens are also being used. The Usual aperture ranges from 0.075 mm to 0.2 mm.