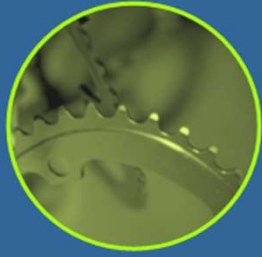


HMB ENGINEERING

COMPANY PROFILE

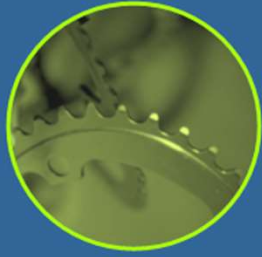
**MANUFACTURE & EXPORTER OF ALL TYPE OF FERROUS & NON FERROUS METAL
WIREMESH, PERFORATED SHEET, CONVEYOR BELT, DEMISTER PAD, WELDED
MESH, CONCERTINA COIL, EXPANDED METAL, CRUSHER SCREEN & OTHER ITEM**



Mission Statement

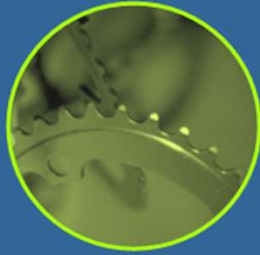
- HMB Engineering looks forward to provide all Industries, Power & Minerals related products under one roof at HMB Engineering maintaining best quality standards.
- **Customer Satisfaction** at the optimum level is our **Key** motto.
- We at HMB Engineering coordinately assure to Deliver the Best of Our Services to the Esteem Customers.
- HMB Engineering believes in Long Term Relationship with all our Esteem Customers.





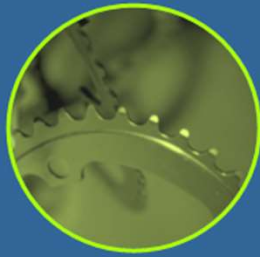
INTRODUCTION & PURPOSE

- We introduce ourselves as one of the leading Manufacturers and suppliers of Wire Mesh, Vibrating Screens and Welded mesh other Wire Products in India. We are having a well-equipped factory and infrastructure to cater the Wire Mesh demand of the country. We are supplying our quality products to various Industries especially in Crusher Plants, Cement Factories, etc. across our country. We would like to have a long lasting business relationship with you in the future, hence request you to go through our catalogue and forward your regular enquiries and orders for the requirement of Wire Mesh, Vibrating Screens, and other allied products as mentioned in our catalogue. If you require any additional information please always feel free to ask and communicate to us. It is our practice to get first hand feeling from our customers, and maintain constant interaction to ensure your requirements are met. We await your response with interest. In case we are to comply with any other formalities like 'Vendor Registration.*



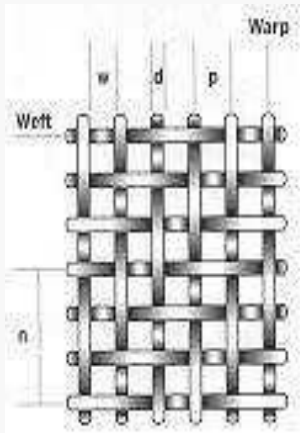
Brief Description of “HMB”

- *The description of the project is given below through sequential order.*
- *1) Registration of Indian taxation act License.*
- *2) Got warehouse/factory (covered & built) in Uttar Pradesh.*
- *3) In house management staffs & work force*
- *4) Having Power loom (Up to 4500 mm width), Handloom Machine (Up to 2500 mm Width) & Hydraulic press machine (up to 2000 mm width) & Welded mesh machine Up to (2500 mm Width), Crimping Machine ,Milling/Threading machines from India Make & overseas*
- *5) Installation of machines*
- *6) Import of Raw materials from India*
- *7) Preparation of Engineering specification to International standards*
- *8) Machine to the required standard specifications and to undergo quality checks.*
- *9) To keep the Wire mesh in stock as full length and cut to size as required by the customers.*
- *10) Receipt of enquiry from the customers.*
- *11) To submit the quote or offer with technical, commercial & delivery terms.*
- *12) Receipt of order and execution of the order.*
- *13) To perform quality check, certification & packing.*
- *14) Delivery or Export to the customers or clients in all countries through Sea Air Freights*
- *As per requirements.*



Products Form & Details

HOW TO MEASURE WIRE MESH ----- GLOSSARY OF TERMS



Aperture(w) :- space between adjacent parallel wires

Wire diameter(d) :- diameter of wire before weaving

Mesh count(n) :- Number of aperture per lineal inch measured from the center of one wire to a point 1 inch distant

Pitch(p) :- Distance between the centers of two adjacent wires i.e. $w+d$

Warp :- Wires running lengthwise in the cloth as woven

Weft :- Wires running crosswise in the cloth as woven

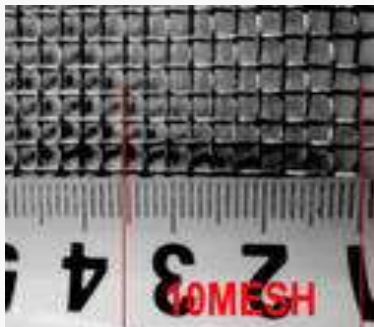
Open area :- The fractional open surface area of the wire cloth in follow direction. (applicable for square meshes only)

Porosity :- The fractional void volume of the mesh



Wire Diameter

Wire diameter is always checked with a micrometer caliper as shown. Diameters of wires in both directions should be checked. The illustration shows .025 diameter wire.



Mesh Account

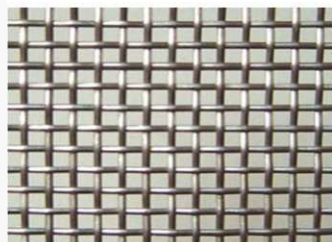
Mesh account means how many holes per inch(25.4mm)

0.25mesh-30mesh can be checked with small ruler if you don't have technical tools.

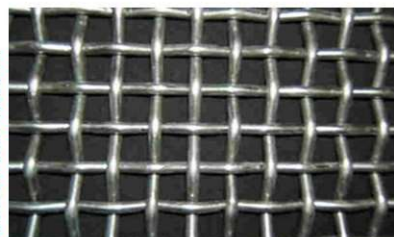
30mesh-500mesh and all Dutch weave mesh need technical tools, please contact with MAISHI if you need help on measuring mesh



Products Form & Details



HMB Engineering
Web:- www.screencloth.co.in



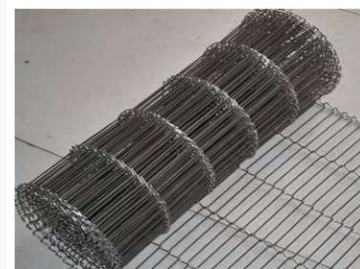
Stainless Steel Wiremesh or Plain Wire mesh



HMB Engineering
Web:- www.screencloth.co.in



Vibrating Screen Cloth Or Spring Steel Wiremesh



HMB Engineering
Web:- www.screencloth.co.in



Metal Conveyor Belt Or Enrobber Conveyor Belt



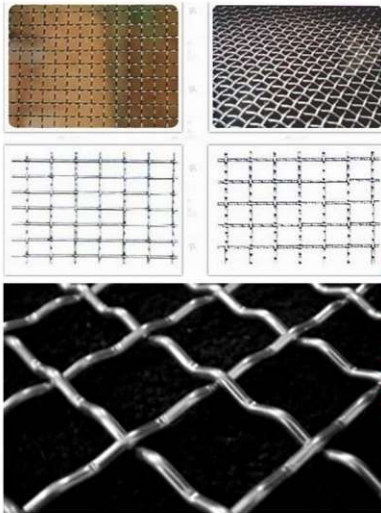
HMB Engineering
Web:- www.screencloth.co.in



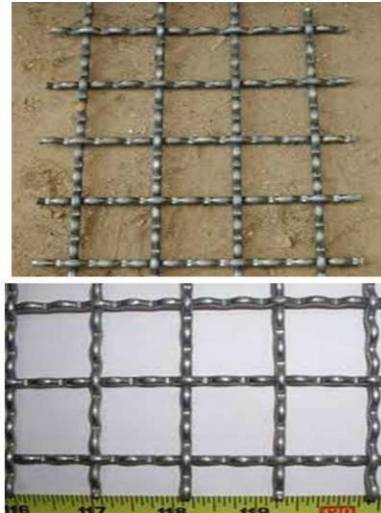
Demisterpad Or Knitted Wire Mesh



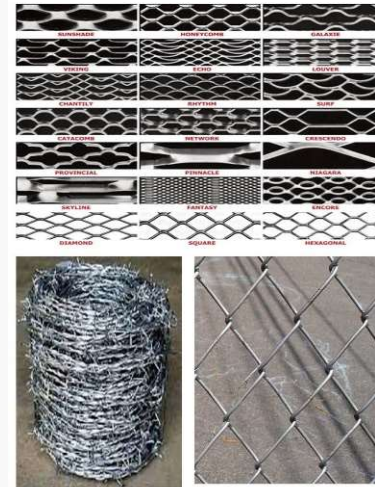
Products Form & Details



HMB Engineering
Web:-www.screencloth.co.in



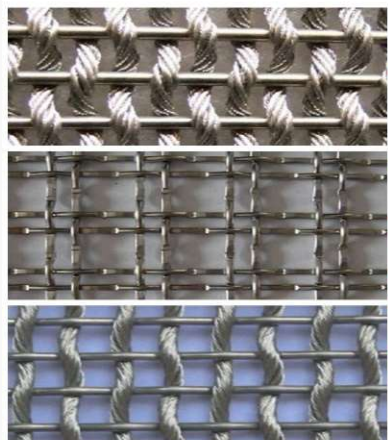
Crimped Wire mesh or Double Weaving Wiremesh



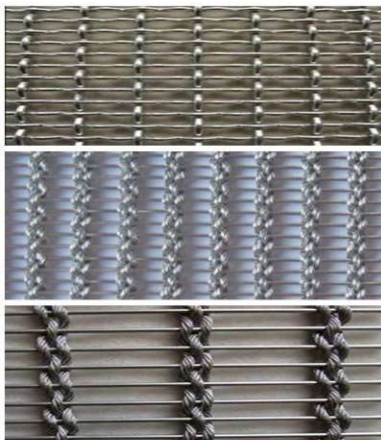
HMB Engineering
Web:-www.screencloth.co.in



Expanded Metal / Welded Mesh / Barbed Wire / Chain Link Fencing



HMB Engineering
Web:-www.screencloth.co.in



Architect Wire mesh Or Decorative Wire mesh

HMB Engineering

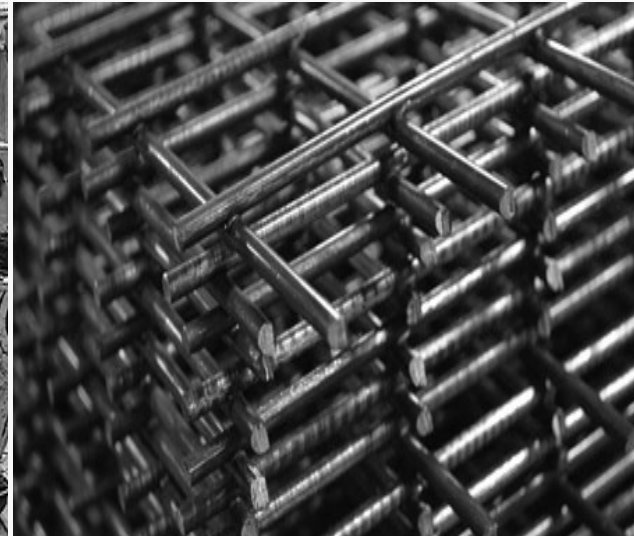
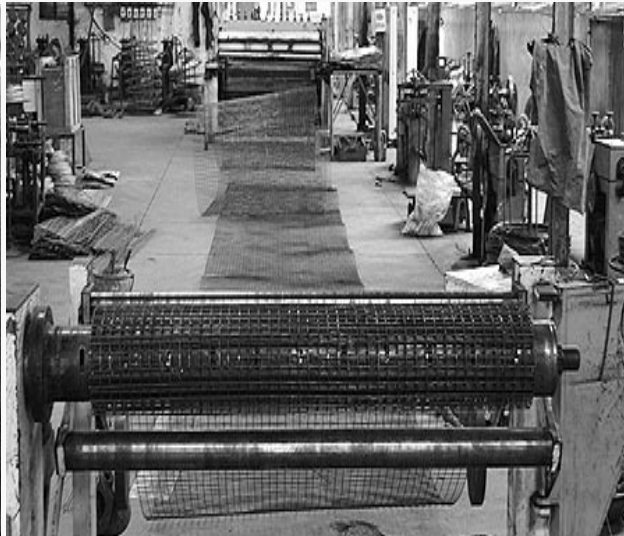


Web:-www.screencloth.co.in



Products Form & Details

Stainless Steel Welded Mesh



“HMB” offers a full line of **stainless steel welded wire mesh** products for applications ranging from simple baskets to turbine inlet screens. The standard stainless steel options for DWT's welded wire mesh are:

Stainless Steel 304 Quality , 304L Quality, 316 Quality, 316L Quality, 310 Quality & 321 Quality

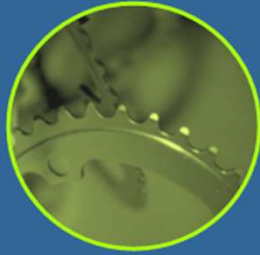
Other special alloy material is available for custom applications. HMB offers alloy verification services to determine whether the alloy selected meets your requirements.

HMB welded wire mesh products are offered with the following configurations:

Opening size, or mesh count, ranging from .030”-2”. Typically the openings of welded mesh are measured from centre to centre of the wire.

Wire diameters ranging from .020” to .080” in standard configurations. Larger diameter wires are available for custom applications. Wire diameters are measured prior to welding.

Roll sizes up to 80” wide and custom panel sizes are available. We can manufacture rolls and flat panels in custom sizes to meet your production requirements. Generally, welded mesh is manufactured in rolls when wire diameters are smaller than .080” and in flat panels when wire sizes are over .080”.



Manufacturing Process

Welded Wire Mesh Manufacturing Process, include galvanize welded wire mesh and vinyl coated welded wire mesh production processing.

Wire Rod

The raw material used for product material is of low carbon steel from various steel manufacturers, commonly known as wire rods. The raw material grades are SAE 1008, SAE 1010, and SAE 1012 which has a percentage of carbon in the range of 0.08 to 0.12. Stainless steel wire, iron wire, galvanized wire is the ideal raw materials.

Cold Rolling

Cold rolling is a metal working process in which metal is deformed by passing it through rollers at a temperature below Recrystallization temperature. Cold rolling increases the yield strength and hardness of a metal by introducing defects into the metals crystal structure. These defects prevent further slip and can reduce the grain size of the metal.

Straightening & Cutting

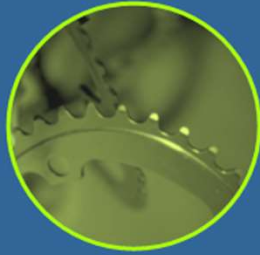
Specialized machinery from Italy is used for straightening and cutting process. The cold rolled wire rods in the coil form is passed through pre set die and cartridge units (special sets for different diameter wire rods) present in the straightening and cutting machine, where the wire rods are first straightened and then cut to set length (precision up to 2mm) automatically. The wire rods can be cut to any size ranging from 0.8 Metre to 12 Metre with a max tolerance of 2mm.

Welding

Welded wire steel fabric is manufactured with automatic welding machines, where wires are welded together in square or rectangular grids. The wires are welded by electric resistance in an automated state of the art machine which controls welding parameters precisely. All the settings for dimensions and welding are programmable. The weld is formed by a controlled combination of pressure, intensity and duration of electric current to develop fusion of the wires. Welded steel fabric utilizes welded intersections for bond and anchorage.

Bending & Cutting

Two separate machines from Schnell, Italy are available for cutting and bending operation. The cutting machine is used for cutting the finished meshes to desired dimension. It is a motorised unit, capable of cutting meshes at a speed of 2 to 3 cut per second. The bending machine available is used to bend the cut meshes to the required shape (as required by design). The machine is capable of bending sheet to any angle (Up to 180o). Depending upon the design requirements, the sheets requiring cutting and bending will be taken for this operation else the meshes will be directly taken for despatch from the third process.



Products Form & Details

High carbon steel Woven screen mesh

Square Opening Screen is a versatile screening media which is easy to install and maintain. Designed to a long wear life and can be economically used in most applications.

Material: High Tensile Steel Wire or S.S. Wire

Wire Diameter: 1.0-12.5mm

Aperture: 2.0-100.0mm

End Types: Flat Screen/ Wrapped or Hooked

Characteristics: $\pm 3\%$ aperture tolerance, perfect flatness/ squareness, superior mesh evenness/ tightness

Benefit:

1. Large percentage open area boosts production
2. Fit for any tensioning hooks and any deck of the screen
3. Quick and easy change out of deck
4. A low initial cost compared to other media available
5. Much longer wear life than common woven wires.

Production standard is according to ISO4783/3

Wire Cloth - Standard Weave Styles

Selecting the right weave helps ensure efficient screening of materials.

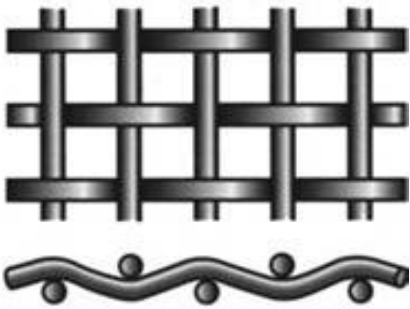
Weave Styles

Efficient screening of materials requires the right weave. Unified Screening & Crushing has one of the largest selections of weave styles available. Our wide selection of weave styles means you'll find the right design for your screening application: Aggregate production, mineral sizing, grain drying, traveling water screens, power plant applications, live stock flooring and many others. Select from the weaves shown here, or call for information on special fabricated screens



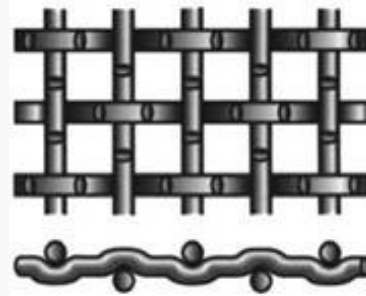
Products Form & Details

HIGH CARBON SCREEN MESH



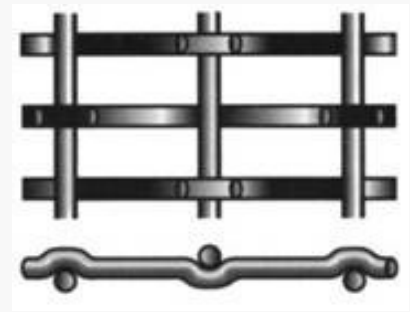
Double-Crimp

A smaller opening weave style. All around efficient and long-wearing performance in a variety of applications.



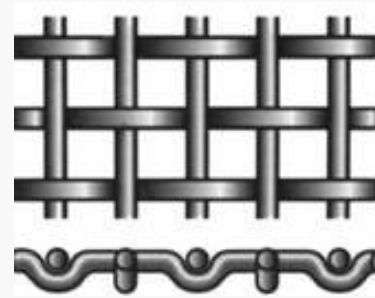
Long-Crimps

A larger opening weave style for scalping and heavy applications. Wire is locked in place for long wear and accurate opening sizes for the life of the screens



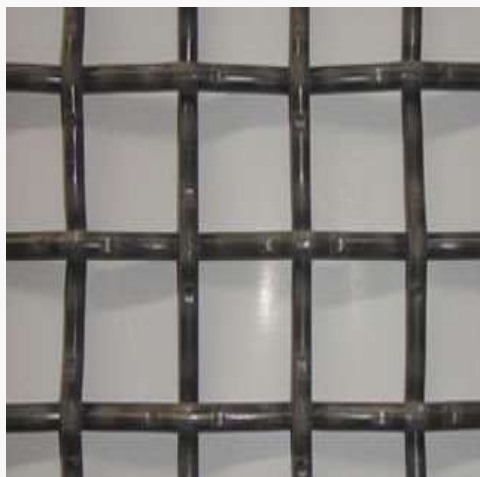
Slotted Openings

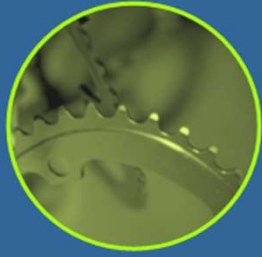
Single-shute oblong openings solve minor blinding problems for better flow



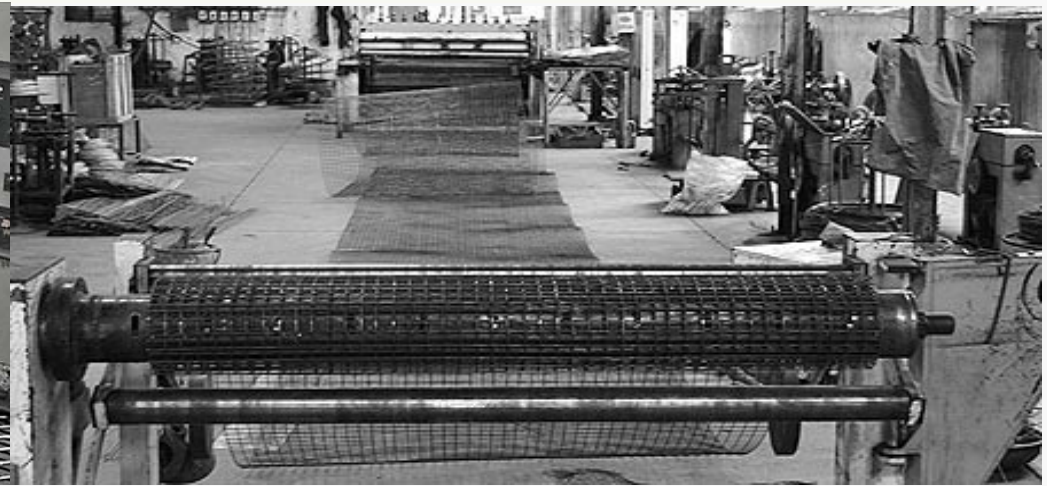
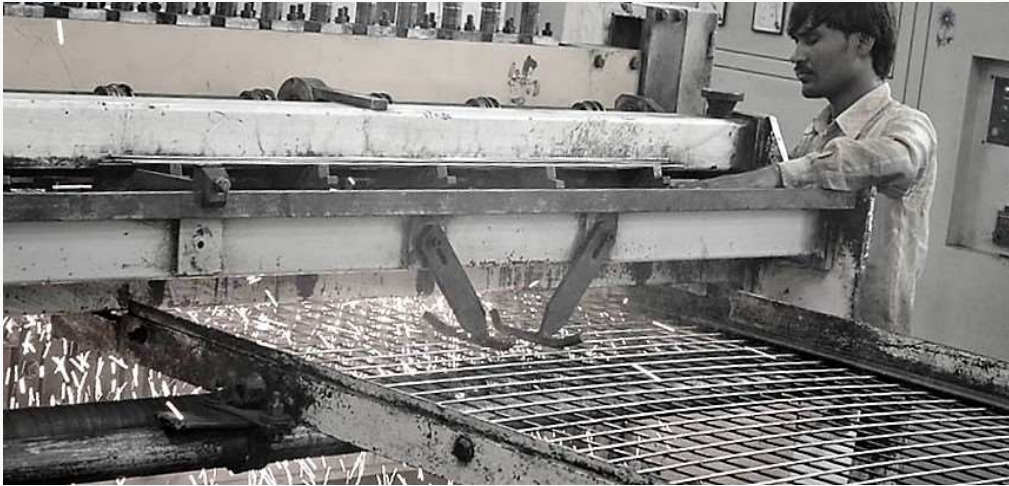
Flat Tops

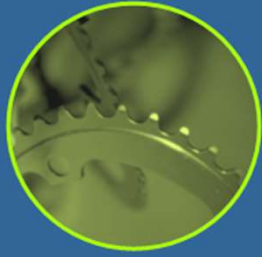
May improve material flow with flatter surface than other weaves.





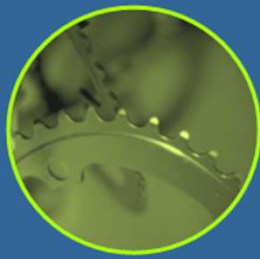
Machine List





Machine List





Inspection & Compliance Services



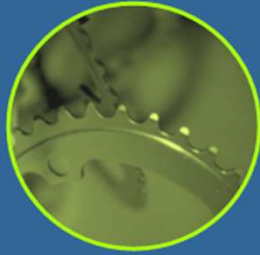
“HMB manufactures wire products for a wide range of industries and applications. For many of these industries, product inspection and compliance is critical. In addition, with global raw material supplies, it is essential to know you are getting the quality and grade of material that you specified. HMB has the expertise and resources to insure product compliance.

All products can be manufactured in accordance with the Indian Standard, DIN, ASTM and ISO standards required by our clients.

As part of our standard quality system we perform the following reviews and inspections:

- **Alloy verification** – HMB’s staff will work with you to select the correct alloy for your application. We offer material testing and verification reports to validate that the alloy is the correct one for your wire product.
- **Review of mechanical properties & specifications** – We review your application requirements and work with you to select the correct weave or mesh, as well as the most effective manufacturing process and finishes. We will ensure that the finished product meets your requirements.
- **Raw material compliance for Federal & regulatory guidelines** – Many raw materials and products must meet industry or government standards, and our staff will work with you to validate that the raw material used for your application meet all applicable standards.
- **Filtration properties** – HMB will test and inspect your products to verify that they meet the filtration requirements you need for the product. We can provide reports on the filter ratings for our woven wire cloth and welded mesh products. These include data on opening size, porosity, flow rate and other critical data.

Many of our clients require 100% inspection and traceability for their woven wire cloth products or parts. HMB has the resource and equipment to offer this service.



Order Work Flow

Order Workflow

1. Inquiry&Quotation

- we reply with quotion and delivery date

2. Order Confirmation

- we send out sample
- client checks sample and confirms order

3. Payment

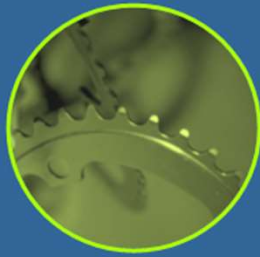
- client makes deposit

4. Product

5. Delivery

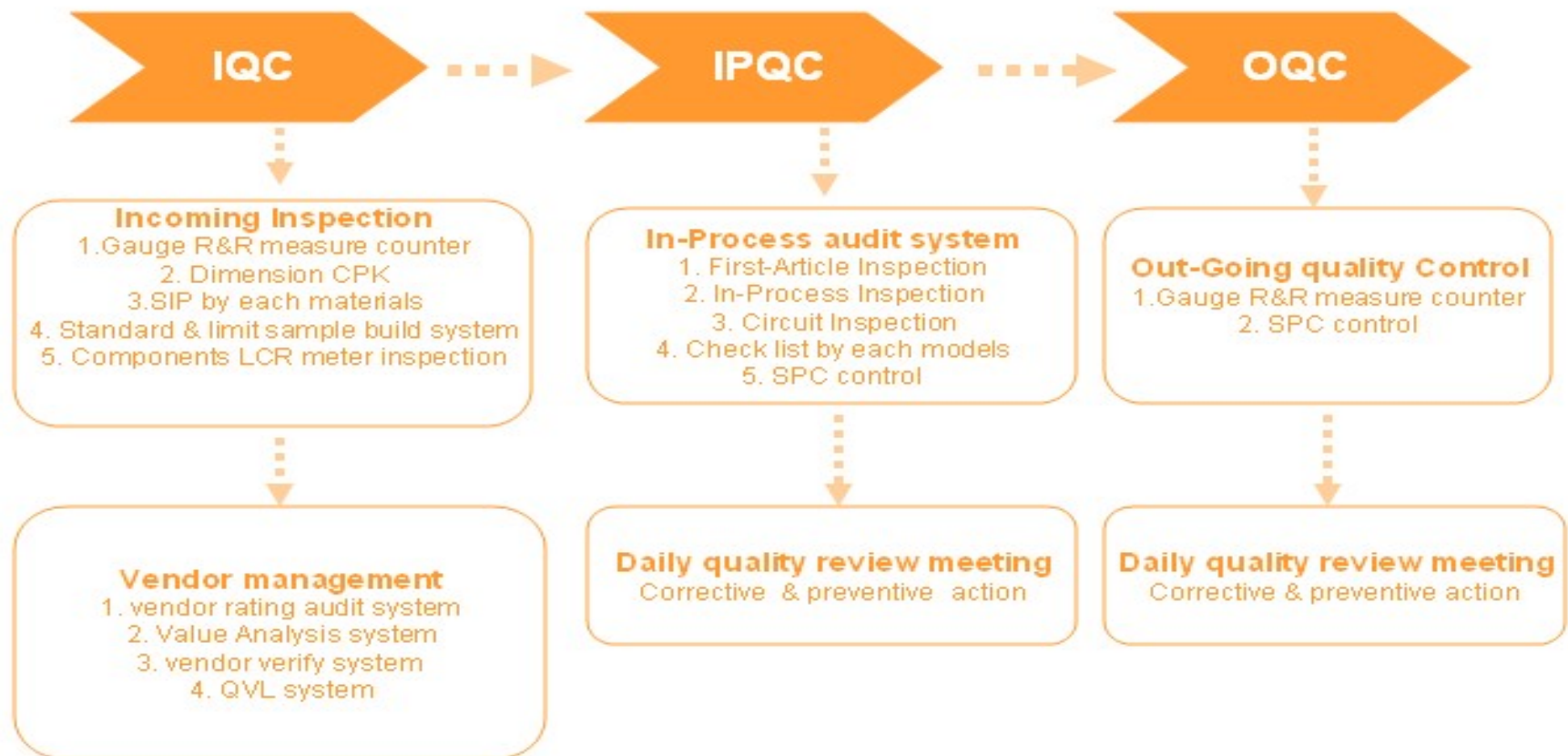
- we arrange shipment
- we send out documents to client
- client makes balanced payment

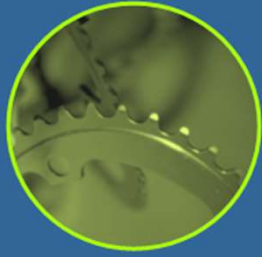
6. Order finished



Quality Work Flow

Quality Control Flow





Our Clients:-

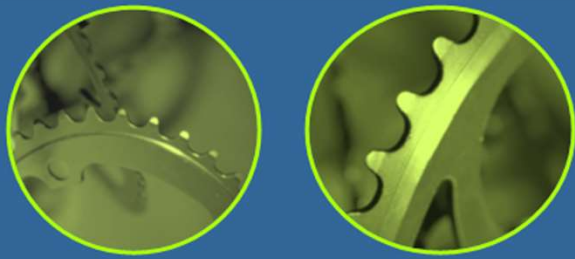
- 1) M/S. LARSEN & TOURBO LIMITED,
- 2) M/S. ARBIAN INDUSTRIES MANUFACTURING LLC, OMAN
- 3) M/S. AFCONS INFRASTRUCTURE LIMITED, INDIA
- 4) M/S. GAMMON INDIA LIMITED, INDIA
- 5) M/S. HINDUSTAN CONSTRUCTION COMPANY, INDIA
- 6) M/S. ARCELOR MITTAL GROUP (FORMERLY LINDSAY INTERNATIONAL LIMITED), LEBNON
- 7) M/S. SHREE CEMENT GROUP OF INDIA
- 8) M/S. ADITYA BIRLA GROUP OF INDIA
- 9) M/S. SANDIVIK INDIA LIMITED
- 10)M/S. ORIENTAL STRUCTURAL GROUP OF INDIA
- 11)M/S. MSPL LIMITED, INDIA
- 12)M/S. JMC PROJECTS (I) LIMITED GROUP OF KALPATRU
- 13)M/S. G. R. INFRAPROJECTS LIMITED
- 14)M/S. KCC BUILDCON PVT. LTD.



Health & Safety Requirements

“HMB” HSE policy will be defined which shall meet the HSE requirements of Free zone

- 1) Employees health shall be taken care through insurance and relevant medical facilities shall be take care by the company.
- 2) Employees will not be allowed to work without any Personal Protection Equipment's (PPE – such as working gloves, safety shoes, helmets, safety goggles/spectacles, face shielding, hearing protection and other PPEs.) All the relevant PPE shall be free issued to employees by the company.
- 3) Proper electricity safety guidelines shall be followed through proper design, procedures/Training etc., Guards for Protective clothing shall be issued to working employees by the company the machineries while under operation shall be installed.
- 4) Fire fighting training shall be provided by the company to selected key employees.
- 5) Company will nominate a HSE representative to co ordinate with local free zone Authorities.
- 6) In relevant to HSE, Risk analysis shall be done against the activities being performed on routine basis.
- 7) Loss Time Accident reports will be recorded with ref. to working man hours.
- 8) Required warning signals and fire extinguishers will be installed near the working place.
- 9) Mode of Storage: 1) Raw materials – Rods: By rack system 2) Metal scrap – by Container with the stamp “Metal Scrap” 3) Coolant oil (New) – Isolated rack with relevant marking & MSDS 4) Coolant Oil (used) – separate container with marking “Waste Oil”. The relevant fire extinguishers shall be placed nearby.
- 10) All the employees shall be trained accordingly and trial emergency/evacuation practice shall be performed once in a month.



Industrial License

10/22/2018

<https://udyogaadhaar.gov.in/UA/PrintAcknowledgement.aspx>



भारत सरकार
Govt. of India
सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES



सूक्ष्म, लघु और मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES



उद्योग आधार



Udyog Aadhaar

A

Type of Enterprise	Micro	Small	Medium
Manufacturing	A	B	C
Services	D	E	F
UAM No.	UP29A0012285		

Udyog Aadhaar Registration Certificate

Udyog Aadhaar Number: UP29A0012285
Name of Enterprise: HMB ENGINEERING
Location of Plant Details:

SN	Flat/Door/Block No.	Name of Premises/Building Village	Road/Street/ Lane	Area/Locality	City	Pin	State	District
1	PLOT NO. A-7/89	SOUTH SIDE OF G.T. ROAD	INDUSTRIAL AREA	GHAZIABAD	GHAZIABAD	201009	UTTAR PRADESH	GHAZIABAD

Official Address of Enterprise: PLOT NO. A-7/89 SOUTH SIDE OF G.T. ROAD INDUSTRIAL AREA GHAZIABAD
District: GHAZIABAD State: UTTAR PRADESH PIN: 201109
Mobile No: 9911399006 Email: spl0@india.com

Date of commencement: 02/01/2018
Major Activity: MANUFACTURING
Enterprise Type: Micro
Previous Registration details-if any: ::

National Industry Classification Code

SN	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit Code	Activity Type
1	25 - Manufacture of fabricated metal products, except machinery and equipment	2599 - Manufacture of other fabricated metal products n.e.c.	25993 - Manufacture of metal cable and other articles made of wire (except for electric transmission)	Manufacturing
2	25 - Manufacture of fabricated metal products, except machinery and equipment	2599 - Manufacture of other fabricated metal products n.e.c.	25999 - Manufacture of other fabricated metal products n.e.c.	Manufacturing

Acknowledgement: Date of Filing: 25/05/2018 Date of Printing: 22/10/2018

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MyMsme Mobile App (Beta Version) is available now for download. <https://play.google.com/store/apps/details?id=msme.mymsme>





भारत सरकार
Government of India
सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय
Ministry of Micro, Small and Medium Enterprises



सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES

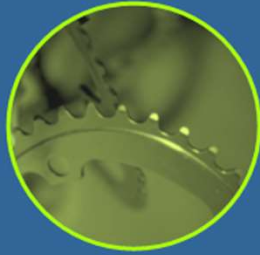
UDYAM

REGISTRATION CERTIFICATE

Our small hands to make you LARGE

UDYAM REGISTRATION NUMBER	UDYAM-UP-28-0008246																				
NAME OF ENTERPRISE	HMB ENGINEERING																				
TYPE OF ENTERPRISE *	SMALL (SMALL During Previous Financial Year)																				
MAJOR ACTIVITY	MANUFACTURING																				
SOCIAL CATEGORY OF ENTREPRENEUR	GENERAL																				
NAME OF UNIT(S)	<table border="1"> <tr> <th>S.No.</th> <th>Udyog Aadhaar Memorandum</th> <th>Unit(s) Name</th> </tr> <tr> <td>1</td> <td>UP28B0008295</td> <td>HMB ENGINEERING</td> </tr> <tr> <td>2</td> <td>UP29A0012285</td> <td>HMB ENGINEERING</td> </tr> </table>	S.No.	Udyog Aadhaar Memorandum	Unit(s) Name	1	UP28B0008295	HMB ENGINEERING	2	UP29A0012285	HMB ENGINEERING											
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OFFICIAL ADDRESS OF ENTERPRISE	<table border="1"> <tr> <th>Flat/Door/Block No.</th> <th>PLOT NO A-7/89</th> <th>Name of Premises/ Building</th> <th>ELECTRO COMPOUND</th> </tr> <tr> <th>Village/Town</th> <th>GHAZIABAD</th> <th>Block</th> <th>A</th> </tr> <tr> <th>Road/Street/ Lane</th> <th>SOUTH SIDE GT ROAD IND. AREA</th> <th>City</th> <th>GHAZIABAD</th> </tr> <tr> <th>State</th> <th>UTTAR PRADESH</th> <th>District</th> <th>GAUTAM BUDDHA NAGAR , Pin 201009</th> </tr> <tr> <th>Mobile</th> <th>9911399006</th> <th>Email:</th> <th>hmbhmvsh@gmail.com</th> </tr> </table>	Flat/Door/Block No.	PLOT NO A-7/89	Name of Premises/ Building	ELECTRO COMPOUND	Village/Town	GHAZIABAD	Block	A	Road/Street/ Lane	SOUTH SIDE GT ROAD IND. AREA	City	GHAZIABAD	State	UTTAR PRADESH	District	GAUTAM BUDDHA NAGAR , Pin 201009	Mobile	9911399006	Email:	hmbhmvsh@gmail.com
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Village/Town	GHAZIABAD	Block	A																		
Road/Street/ Lane	SOUTH SIDE GT ROAD IND. AREA	City	GHAZIABAD																		
State	UTTAR PRADESH	District	GAUTAM BUDDHA NAGAR , Pin 201009																		
Mobile	9911399006	Email:	hmbhmvsh@gmail.com																		
DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE	02/01/2018																				
DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS	02/01/2018																				
NATIONAL INDUSTRY CLASSIFICATION CODE(S)	<table border="1"> <tr> <th>S.No.</th> <th>NIC 2 Digit</th> <th>NIC 4 Digit</th> <th>NIC 5 Digit</th> <th>Activity</th> </tr> <tr> <td>1</td> <td>23 - Manufacture of other non-metallic mineral products n.e.c.</td> <td>2399 - Manufacture of other non-metallic mineral products n.e.c.</td> <td>23999 - Manufacture of other non-metallic mineral products n.e.c. (includes asbestos yarn and fabric, and articles of asbestos yarn and fabric such as clothing, headgear, footwear, cord, string, paper a felt; friction material with a base of asbestos or other mineral substances or of cellulose including unmineralized articles such as friction material; mineral insulating material (slag wool, rockwool and similar mineral wools, exfoliated vermiculite, expanded shays and similar insulating materials); products of glass wool for heat-insulating; articles of asphalt or of similar material (e.g. oval tar pitch); gypsum and articles of other mineral substances)</td> <td>Manufacturing</td> </tr> <tr> <td>2</td> <td>25 - Manufacture of fabricated metal products, except machinery</td> <td>2599 - Manufacture of other fabricated metal products n.e.c.</td> <td>25993 - Manufacture of metal cable and other articles made of wire (except for electric transmission)</td> <td>Manufacturing</td> </tr> </table>	S.No.	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit	Activity	1	23 - Manufacture of other non-metallic mineral products n.e.c.	2399 - Manufacture of other non-metallic mineral products n.e.c.	23999 - Manufacture of other non-metallic mineral products n.e.c. (includes asbestos yarn and fabric, and articles of asbestos yarn and fabric such as clothing, headgear, footwear, cord, string, paper a felt; friction material with a base of asbestos or other mineral substances or of cellulose including unmineralized articles such as friction material; mineral insulating material (slag wool, rockwool and similar mineral wools, exfoliated vermiculite, expanded shays and similar insulating materials); products of glass wool for heat-insulating; articles of asphalt or of similar material (e.g. oval tar pitch); gypsum and articles of other mineral substances)	Manufacturing	2	25 - Manufacture of fabricated metal products, except machinery	2599 - Manufacture of other fabricated metal products n.e.c.	25993 - Manufacture of metal cable and other articles made of wire (except for electric transmission)	Manufacturing					
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Works & office

HMB ENGINEERING

HEAD OFFICE :- I-40, SECOTR-9, 1ST FLOOR, NOIDA -201 301
UTTAR PRADESH, INDIA

PLANT (SCREEN MESH, CRUSHING SPARE & PARTS)

A-7/89 SOUTH SIDE G.T. ROAD INDUSTRIAL AREA, GHAZIABAD
UTTAR PRADESH

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