



JAI SHREE®

ACCEPT CHALLENGES-DEVELOP-ACHIEVE

50

OVER YEARS OF EXPERIENCE

EST. 1970 — ISO 9001:2015 CERTIFIED

Where every solution meets precision

■ Perforated Sheets

■ Expanded Metal

■ Precision Sheet Leveling

■ Laser Cutting

■ Turret Punching

■ Custom Components

INTRODUCTION

Our Group is mainly engaged in the manufacturing of all types of Laser Cuttings, Perforated Sheets, Turret Punching, Expanded Metal, Welded Mesh, Crimped Mesh, Wire Mesh, Demister Pad etc. We are located at Mumbai and Pune. Mumbai is the financial capital of India and Pune is the hub of Automobile and other Industries. We undertake challenging supplies to Automobile Companies / Industries.

In addition to the above stated products we also undertake special jobs like Embossed Plates, Embossed - Trays, Dimple / De - Stoners, Huller - Screens, Herringbone Screens, Perforated Test Sieve, Pulverizing Screens in Round, Square, Rectangular, Oblong, Hex & Conical Holes and any type of hole by Turret Punching in Stainless Steel, Carbon Steel, M.S. / G.I., Aluminum, Brass, Copper etc.

All our plants are having very good production capacity as well as maintain all quality standards. Our key goal is to reduce the rejection and it is a pleasure for us that our rejection percentage is very negligible as our operators and supervisors are highly trained and very co-operative with the group.

The Group supplies the products with quality guarantee and is ISO 9001:2015 certified. We are the leading manufacturers & suppliers of Metal Perforated Sheets / Screens, Laser Cutting, Expanded Metal, Crimped Mesh, Welded Mesh, Wire Mesh, Cable Trays, Conveyor Belts, Speaker Grills, Vibrating Screen, Demister Pad, other Architectural Products etc.

Our Research and Development team is actively developing all kind of Special Dies & Tools and Special Machineries as per specific requirement.

50+

YEARS OF EXPERIENCE

06

MANUFACTURING
UNITS

02

CITIES — PUNE &
MUMBAI

ISO 9001

2015 CERTIFIED

■ OUR VISION

The Vision of Jai Shree Group is to boost its sales and production of products such as Laser Cutting, Turret Punching, Perforation, Expanded Metal, Wire Mesh, Welded Mesh and Crimped Mesh and to ensure that our customers be provided best Quality of Products to their satisfaction.

■ OUR MISSION

The Mission of Jai Shree Group is to focus on Quality, Timely Delivery & Best of Service to our Customers.

- | | |
|-------------|--|
| 1970 | Mr. Tejaram Jangid, Founder of the Group, started the Wire Mesh business in 1970 in Delhi. |
| 1980 | The company expanded its operation of Perforated Sheets as well as Expanded Metal. The operations were shifted and a plant was set up in Bhayander (Mumbai) by his sons Mr. Inder Jangid & Mr. Shyam Jangid. |
| 1997 | Further extension at Talawade, Pune by Mr. Raichand Jangid. |
| 2006 | The Group expanded its strength by installing a bigger plant at the same location with the latest high-tech specialized machines of Perforation, Expanded Metal & Wire Mesh. |
| 2009 | With a vision to achieve the highest position in the field, the Group added a separate and systematic plant for Crimped Mesh & Vibrating Screen at Talawade, Pune. |
| 2013 | The generation of Technology moved further — the Group started upgrading to the latest technologies by converting its machineries into CNC, running multiple CNC machines in full flash. |
| 2015 | Developed one more separate and systematic plant for Welded Mesh — and the Group has now come up with Laser Cutting, having the very latest fiber laser technology. |

It always gives inspiration to the personnel of the Group led by the dedication of Mr. Raichand Jangid and his well trained team, which keeps him and his team busy in developing the Special Machineries and Tools. Ours is a privately owned Company. This independence ensures us to deliver total quality management under the promoters' control. With capacity to hold inventory of raw material, we can deliver our products on scheduled time, thereby ensuring you not to keep any extra stocks. At the same time, we specialize and offer tailor made custom solution as per customer specifications.

■ EDGE ON OTHERS

- | | |
|---|--|
| 01 100% privately owned with zero debt Company, hence quality oriented products. | 05 We specialize in customization of the materials as per the requirement of the customers according to their specifications. |
| 02 Ensures Total Quality Management under Promoters Control with 48 years of experience. | 06 We procure and deliver goods not only in Mumbai & Pune, but in all other States of India as well. |
| 03 Stock of Raw Materials is ensured. | 07 We offer what we promise and promise only what we can offer. |
| 04 Timely delivery of products which reduces stock to pile up. | 08 We strongly believe in maintaining long term business relations without compromising in quality. |

PERFORATED SHEET

■ MATERIAL

Carbon Steel, Stainless Steel, Aluminum, Galvanized Steel, Copper, Brass, Titanium, PVC, PP Sheet etc.

■ CATEGORIES

CNC Perforation, CNC Turret Perforation, Multi Perforation, Coil to Coil Perforation, Coil to Pieces Perforation, CNC Laser Cutting.

■ THE CHARACTERISTICS OF PERFORATED SHEET

Can be readily formed, Accuracy of Size, Can be painted, polished, Electro Plating, Superior abrasion resistance, easy installation, attractive appearance, wide range of thickness available, largest selection of hole size, pattern and configuration, uniform sound abatement, light weight, Excellent wear life and durable.

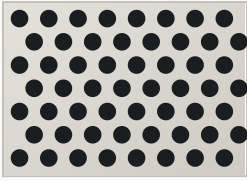
■ APPLICATION

Perforated metal sheets are widely used in Architectural decoration, chemical machinery, Pharmaceutical equipment, food and beverage machines, Harvester, dry cleaning machine, stone crushing machine, Automobile filters, Refrigeration equipments, silencing equipment, Central air conditioning, Speakers, Crafts, Paper making, Sugar Industries, Conveyor system and other industries etc.

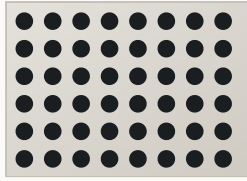
■ OUR STRENGTH

- 01 We punch up to 12 mm of Thickness Plate.
- 02 Can punch with Hole size up to the thickness in any metal.
- 03 Our Maximum width handling capacity is 2200mm (W) X 4000mm (L).
- 04 Facility of prompt development of any customized perforation job.
- 05 For the ease of Customer, we have additional in house facility to serve the products with Shearing, Bending and Leveling with The quality and accuracy as per Customer requirement.
- 06 We have specialization in bow (war page) control in Perforated Sheets.

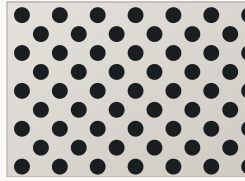
PERFORATION PATTERNS



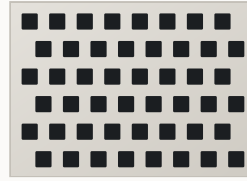
Standard Round Perforations 60° Staggered



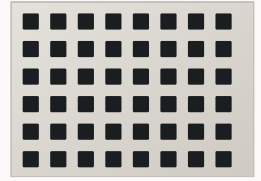
Straight Line Round Perforations



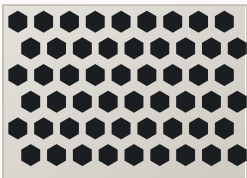
Optional Round Perforations 45° Staggered



Square Perforations Staggered



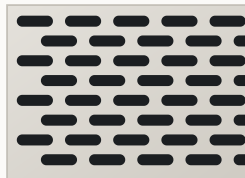
Straight Line Square Perforations



Hexagonal Perforations Staggered



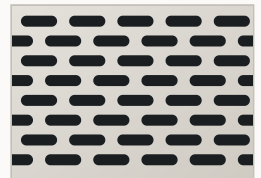
Ornamental Perforations



Side Staggered Slots (or Rectangular)



Straight Line Rectangular (or Slots)



End Staggered Slots (or Rectangular)

FORMULA FOR CALCULATION OF OPEN AREA

Round Hole, Triangular Pitch



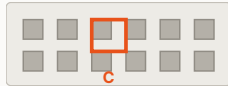
$$\% \text{ Open Area} = \frac{R^2 \times 90.69}{T^2}$$

Round Hole, Rectangular Pitch



$$\% \text{ Open Area} = \frac{R^2 \times 78.5}{U_1 \times U_2}$$

Square Hole, Rectangular Pitch



$$\% \text{ Open Area} = \frac{C^2 \times 100}{U_1 \times U_2}$$

Round Hole, Staggered Pitch



$$\% \text{ Open Area} = \frac{C^2 \times 100}{0.5 \times (Z_1 \times Z_2)}$$

Capsule Hole, Staggered Pitch



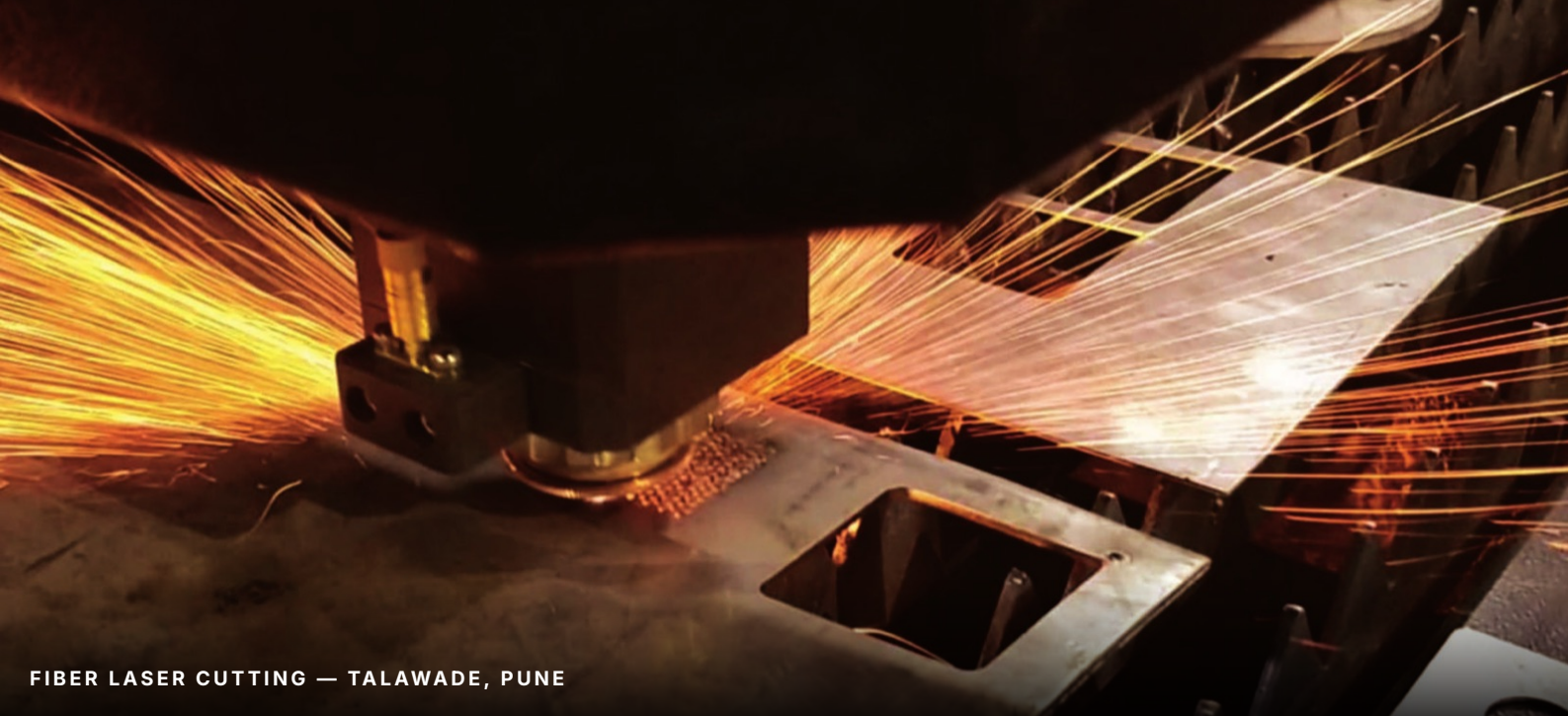
$$\% \text{ Open Area} = \frac{(R \times L - 0.215R^2) \times 100}{0.5 \times (Z_1 \times Z_2)}$$

Rectangular Hole, Staggered Pitch



$$\% \text{ Open Area} = \frac{100 \times L \times C}{0.5 \times (Z_1 \times Z_2)}$$

"Our expertise provide consultancy to customers and suggest about application of our various products, its designs, suitability, costing and their tailor-made requirement."



FIBER LASER CUTTING — TALAWADE, PUNE

LASER CUTTING

■ MATERIAL

Carbon Steel, Stainless Steel, Aluminum, Galvanized Steel, Copper, Brass, Titanium etc.

■ CATEGORIES

CNC Laser Cutting of any types of customized drawing.

■ THE CHARACTERISTICS OF LASER CUTTING

It is based on the precise sheets cutting by focused laser beam. The laser beam is a new universal cutting tool able to cut almost all known materials. Laser cutting is the process of vaporizing material in a very small, well defined area.

■ APPLICATION

Laser cutting is now one of the most widely used manufacturing processes in the world. Finding a home in industries such as the aerospace, automotive, electronics, semiconductor and medical sectors, it's clear that it offers a huge range of benefits and uses.

■ OUR STRENGTH

- 01 We accept up to 14 mm of Thickness Plate for the Laser Cutting.
- 02 Can process with any specific drawing in any metal.
- 03 Facility of prompt development of any customized job.
- 04 We have combination of Turret Punching with Laser for cost saving.
- 05 We have specialization in bow (war page) control after Laser Cutting Process.

EXPANDED METAL

■ MATERIAL

Stainless Steel, Low Carbon Steel, Brass, Copper, Aluminum, Galvanized Steel, Titanium, Nickel Sheet etc.

■ EXPANDING SHAPES / DESIGN

Diamond, Square, Hexagonal, Grating, Half Round etc.

■ EXPANDED METAL BENEFITS

Expanded metal has a wide range of products and designs, which makes it so versatile and likable for many uses and applications. It is manufactured from single piece of metal sheet. It can be welded as per requirement, can be deep drawn and can be folded also.

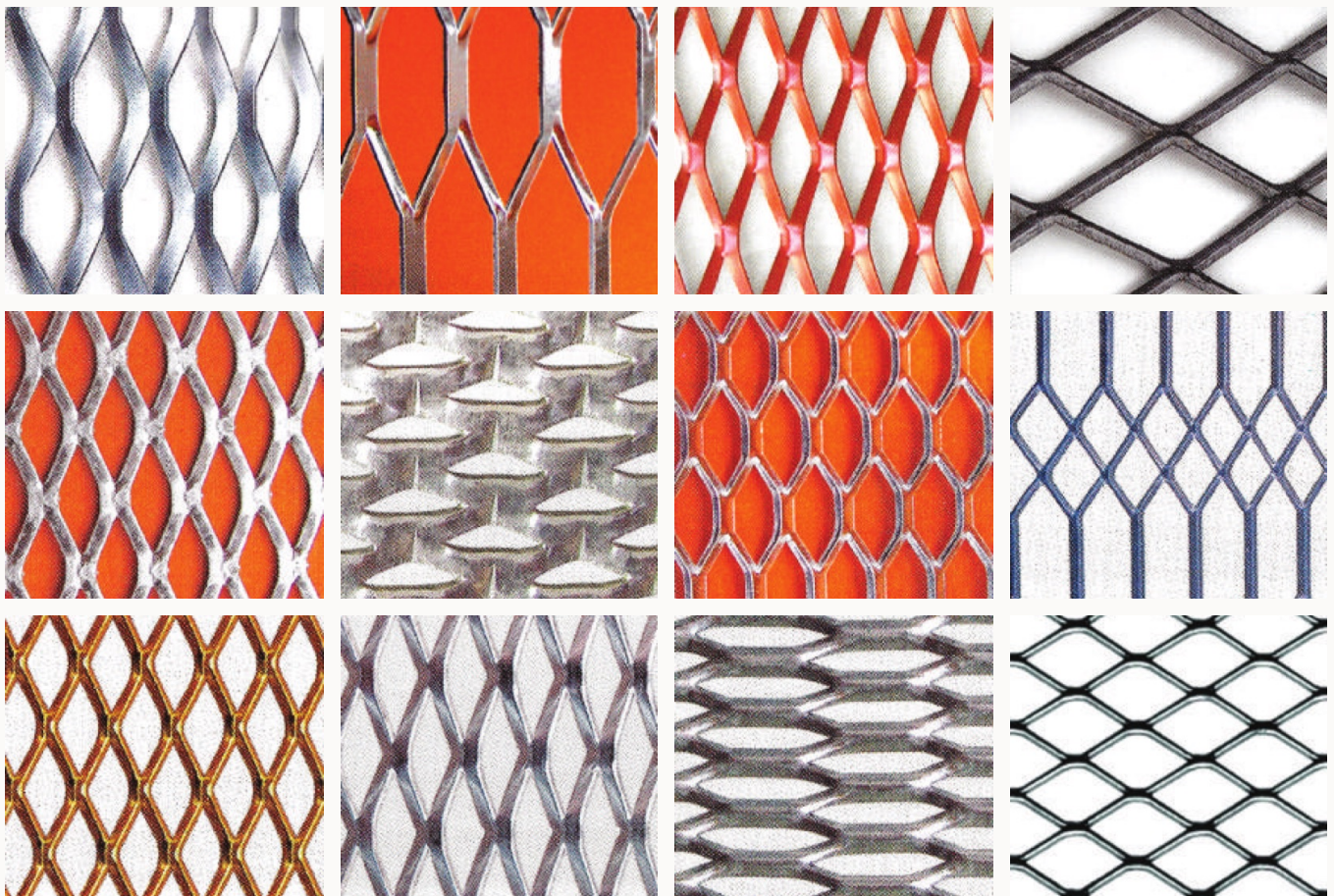
Minimum Waste in the process of making expanded metal because it involves slitting and stretching material to create holes rather than punching it out.

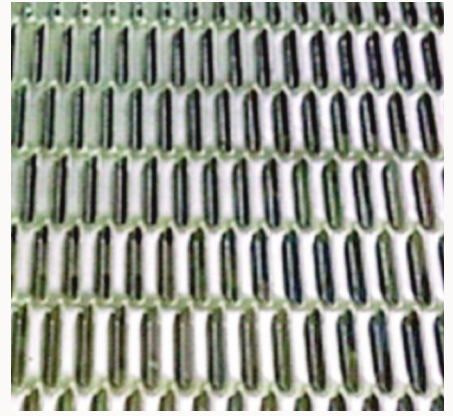
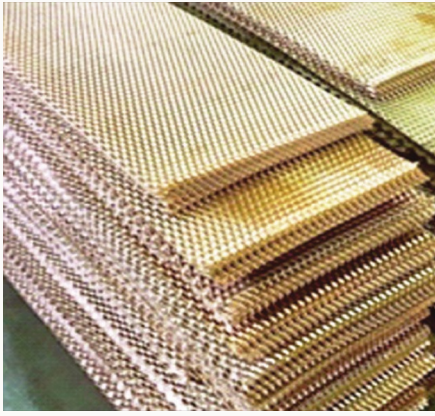
■ APPLICATION

This product is everlasting, widely used in architectural decoration, filters, basket, air filtration unit, medicines, machine guards, animal cages, protecting of electrical equipment window, crane walk way, safety doors, room dividers, decorative ceiling, highway fencing, civil works, fan covers/ guard, building plaster trims.

Cost Saving is also a major benefit of Expanded metal as compared to other type of processes because it doesn't generate scrap.

SPECIAL DESIGNS AND SIZES ARE ALSO AVAILABLE AT CUSTOMER'S REQUEST





Aesthetics through various angles best illustrate the visual properties of expanded metal and it can be further enhanced by use of glass, plastics and other composites which can be incorporated into, or attached to, meshes for increase of strength, security and aesthetics. The expanded metal can be further beautified by various process of coloring such as powder coating, anodizing, hot dip coating etc.

Strength to weight ratio of expanded metal is an ideal light weighting solution whilst also maintaining strength.

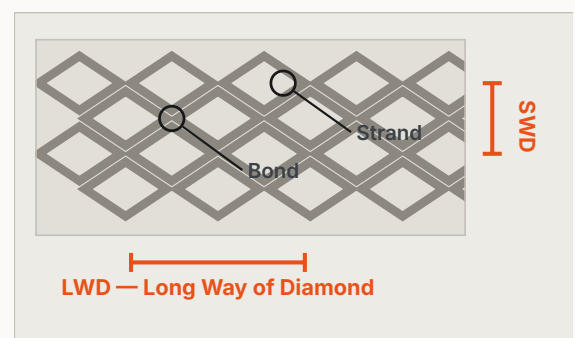
Anti-skid. The knuckles formed by expanding metal give sound grip underfoot, particularly beneficial when used in stair treads, ramps and walkways.

■ TECHNICAL NOTES

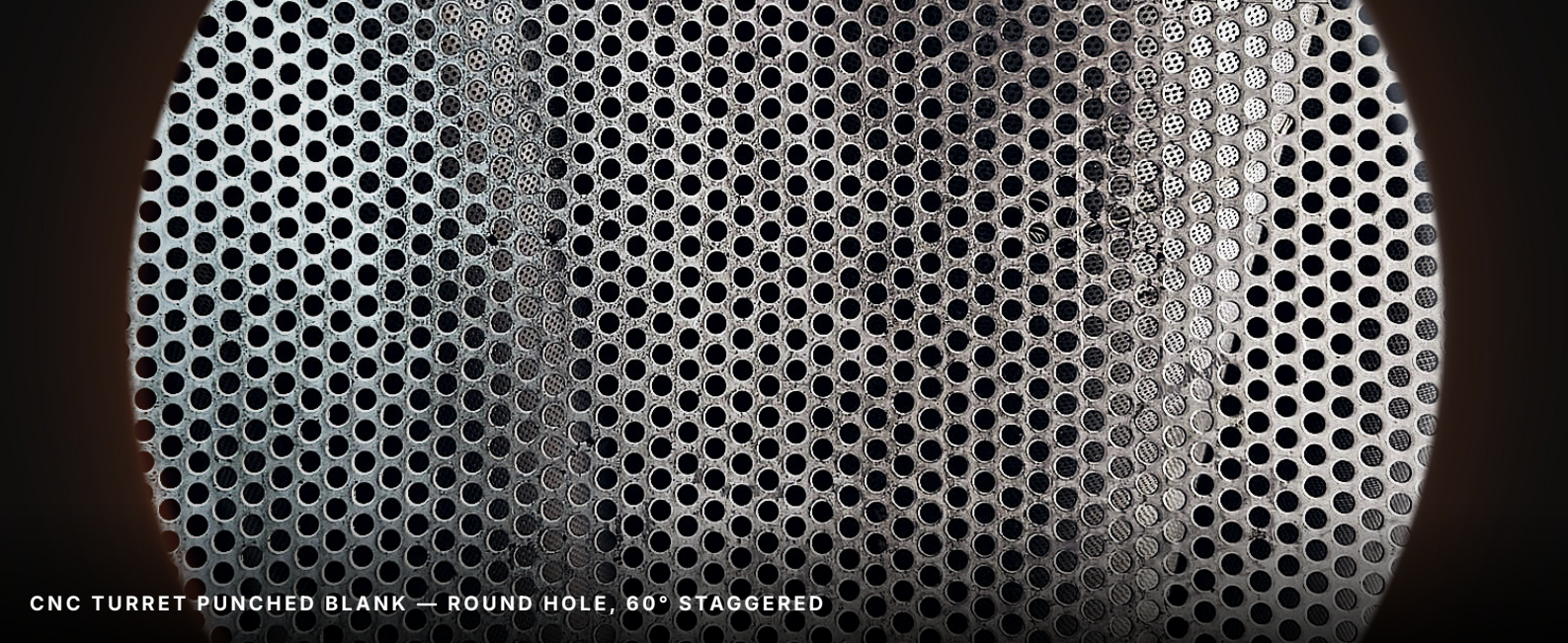
- Standard Width: 900mm, 1250mm, 1500mm
- Can be available in customized length as well as in coil form.
- Maximum Thickness: 6mm

■ EXPANDED METAL TERMINOLOGY

SWD	Short way of Diamond
LWD	Long Way of Diamond
BOND	Where two strand intersect.
Strand Width (Dent)	Length of the metal used to produce one strand.
Strand Thickness	Gauge thickness.
LWM (width)	Mesh sheet size, the distance of LWD direction.
SWM (length)	Mesh sheet size, the distance of SWD direction.



"Our expertise provide consultancy to customers and suggest about application of our various products, its designs, suitability, costing and their tailor-made requirement."



CNC TURRET PUNCHED BLANK — ROUND HOLE, 60° STAGGERED

TURRET PUNCHING

■ MATERIAL

Stainless Steel, MS (Mild Steel), GI (Galvanized Iron), Aluminum, Brass, Copper.

■ CATEGORIES

CNC Turret Punching — round, square, rectangular, oblong, hex, conical and custom holes.

■ THE CHARACTERISTICS OF TURRET PUNCHING

Jai Shree Group offers CNC Turret Punching services for any hole shape and pattern. The key advantage of Turret Punching combined with Laser Cutting is significant cost saving on complex parts — standard shapes are punched, fast and economical, while complex cutouts are laser cut. Our R&D team develops special dies and tools for any non-standard hole shape as per customer specification.

■ APPLICATION

Perforated Screens, Industrial Panels, Architectural Components, Enclosures, Cable Management, Filtration Plates.

■ OUR STRENGTH

- 01 CNC precision for any hole shape.
- 02 Combined Turret + Laser for cost optimization.
- 03 Special dies developed by in-house R&D team.
- 04 Any hole shape: round, square, hex, conical, custom.
- 05 Prompt development of custom tooling.



COIL-TO-COIL STOCK — LEVELED IN-HOUSE

PRECISION SHEET LEVELING

■ MATERIAL

All metals — Stainless Steel, MS, GI, Aluminum, Brass, Copper.

■ PROCESS

Roller leveling, tension leveling. Up to 5mm thickness.

■ THE CHARACTERISTICS OF SHEET LEVELING

Precision Sheet Leveling is the process of correcting bow, warpage and camber in perforated sheets, laser cut parts and expanded metal to achieve perfectly flat finished products. Leveling is critical after perforation or laser cutting, as these processes induce internal stresses that cause the sheet to bow or warp. Our specialized leveling equipment restores flatness to the tightest tolerances.

■ APPLICATION

Perforated Sheet Flattening, Laser Cut Part Leveling, Expanded Metal Leveling, Automotive Components, Architectural Panels, Precision Engineering Parts.

■ OUR STRENGTH

- 01 Specialization in bow / warpage control.
- 02 Post-perforation and post-laser cutting leveling.
- 03 All metals processed.
- 04 Tight flatness tolerances achievable.
- 05 In-house facility — no outsourcing.

CUSTOM COMPONENTS

■ MATERIAL

Stainless Steel, MS (Mild Steel), GI (Galvanized Iron), Aluminum, Brass, Copper.

■ PROCESS

CNC Turret Punching, Laser Cutting, Special Dies. Drawings accepted as DXF, DWG or customer sample.

■ SPECIAL JOBS WE UNDERTAKE

Jai Shree Group undertakes special custom fabrication jobs that go beyond standard products. Our in-house R&D team develops special dies, tools and machineries as per specific customer requirements. From embossed plates and dimple de-stoners to huller screens, herringbone screens and perforated test sieves — we manufacture any custom component in any metal, with pulverizing screens in Round, Square, Rectangular, Oblong, Hex & Conical holes.

■ APPLICATION

Custom Embossed Plates, Huller Screens, Herringbone Screens, Perforated Test Sieves, Pulverizing Screens, Dimple De-Stoners, Special Industrial Components, OEM Parts.

■ OUR STRENGTH

- 01 In-house R&D team develops special dies and tools.
- 02 Any hole shape in any metal.
- 03 Accept customer drawings or samples.
- 04 Special machineries developed as per requirement.
- 05 Embossed plates, trays and dimple de-stoners.
- 06 Huller screens, herringbone screens and perforated test sieves.

"Our expertise provide consultancy to customers and suggest about application of our various products, its designs, suitability, costing and their tailor-made requirement."

Six units. Two cities.



JAI SHREE®

ACCEPT CHALLENGES-DEVELOP-ACHIEVE

PUNE

JAI SHREE METAL PERFORATORS

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- ☎ +91 9320204156 · 9373324492

SHREE PERFORATORS

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- ☎ +91 9320204156 · 9370606017

SHREE WELD MESH

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- 🌐 www.shreeperforators.com
- ✉ balajiwelded@gmail.com · balaji@jaishreegroup.in
- ☎ +91 9049456019 · 9320204156

MUMBAI

JAI SHREE FILTRATION

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Where every solution
meets **precision**

www.jaishreegroup.com

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SCAN TO VISIT