



STRENGTH IN METAL

PRECISION IN PERFORMANCE.

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GHILOTH MANUFACTURING UNIT
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Manufacturing partnerships. Built for the long term.



JASSCO Steel Private Limited is an Indian manufacturer of specialised industrial fabrication, perforated sheets, expanded mesh, cable trays and fabricated metal products. Active in metal perforation since 1990, the company has built its reputation through longstanding customer relationships and its own manufacturing facilities.

We support requirements ranging from individual fabricated metal parts to fully assembled products. Our business serves OEMs, fabricators and point-of-purchase applications, directly and indirectly supporting the supply chains of major brands.

Our capabilities include design and engineering support, CNC punching and forming, laser cutting, welding, perforating, assembly, finishing, packaging and fulfilment. We continue to invest in production quality and efficiency, with a focus on continuous improvement, consistent products and dependable delivery.

Sheet metal processing, component manufacturing and fabricated products - brought together under one manufacturing programme.

From material to finished component.

Specialist metal processing and fabrication capabilities for diverse industrial and commercial requirements.

01 Sheet metal cutting

Precision profiles and blanks produced through laser cutting, perforation, and shearing.

02 Metal forming

Bending, rollin, ganding of sheet metal to create complex shapes and functional components.

03 Welding

Joining capabilities include TIG, MIG, argon, laser and spot welding, selected to suit the component and finish.

04 Punching & perforating

Accurate holes and repeatable patterns to meet functional, ventilation, screening and aesthetic requirements.

05 Expanded metal

Slittingand stretching sheet metal into an interconnected open-grid structure for lightweight, versatile products.

Assembly, finishing, packaging and fulfilment complete the manufacturing offering.

**A complete view.
A connected facility.**



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8,000
SQ MTR

TOTAL FACTORY AREA

A shared purpose. A long-term direction.

OUR MISSION

To work as a true business partner and grow from strength to strength with our customers, supporting broader and more innovative applications.

OUR VISION

To be a trusted leader in precision sheet-metal manufacturing, recognised for quality, innovation, dependable delivery and lasting customer partnerships.

PARTNERSHIP

Grow with our customers.

PRECISION

Improve quality and consistency.

PROGRESS

Invest in better processes.

Production capability.

01 Fiber laser cutting



Type	Laser cutting machine
Power	2 kW
Bed size	1,500 x 3,000 mm
Use	Sheet cutting from DXF
Quantity	1

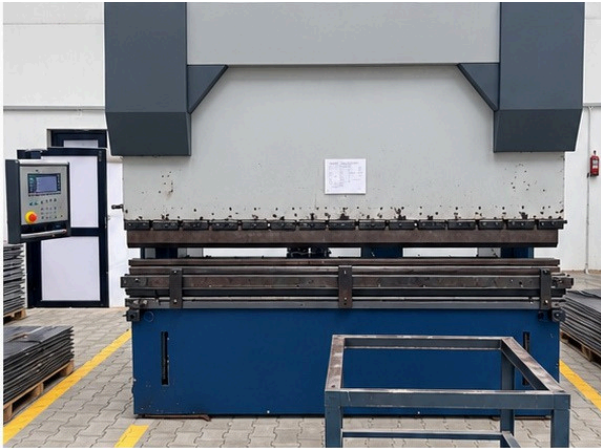
02 CNC hydraulic bending



Type	3-axis bending machine
Thickness capacity	Up to 8 mm
Sheet width	4,000 mm
Use	Sheet bending
Quantity	1

Production capability.

03 CNC hydraulic bending



Type	3-axis bending machine
Thickness capacity	Up to 10 mm
Sheet width	3,000 mm
Use	Sheet bending
Quantity	1

04 NC pneumatic shearing



Type	Shearing machine
Thickness capacity	Up to 2.5 mm
Sheet width	2,500 mm
Use	Sheet shearing
Quantity	1

Production capability.

05 NC hydraulic shearing



Type	Shearing machine
Thickness capacity	Up to 6 mm
Sheet width	3,000 mm
Use	Sheet shearing
Quantity	1

06 Cut-to-length lines



Type	Automatic shearing
Line A	Up to 3 mm / 1,300 mm wide
Line B	Up to 2 mm / 1,000 mm wide
Use	Sheet shearing
Quantity	2 (1 of each)

Production capability.

07 CNC pneumatic perforation



Type	Perforation machine
Thickness capacity	Up to 3 mm
Sheet width	1,280 mm
Use	Sheet perforation
Quantity	1

08 Mechanical perforation



Type	Perforation machine
Thickness capacity	Up to 5 mm
Sheet width	1,280 mm
Use	Sheet perforation
Quantity	4

Production capability.

09 CNC perforation



Type	Perforation machine
Thickness capacity	Up to 3 mm
Sheet width	1,000 mm
Use	Sheet perforation
Quantity	1

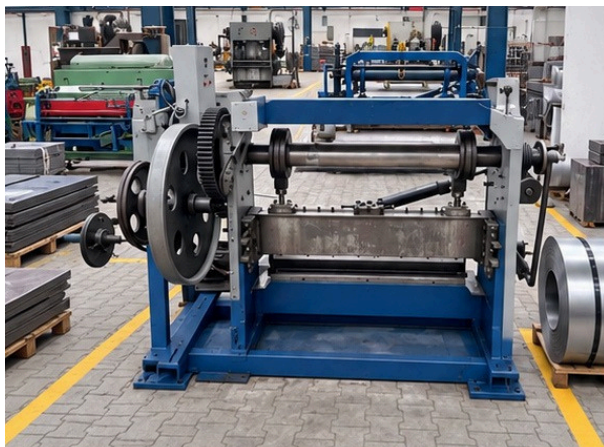
10 Mechanical perforation



Type	Perforation machine
Thickness capacity	Up to 1.5 mm
Sheet width	500 mm
Use	Sheet perforation
Quantity	7

Production capability.

11 Mechanical expanding



Type	Expanded metal machine
Thickness capacity	Up to 2.5 mm
Sheet width	1,250 mm
Use	Sheet expanding
Quantity	3

12 CNC vertical machining centre



Bed size	1,600 x 700 mm
Tool magazine	24 tools
Spindle speed	12,000 rpm
Controller	Mitsubishi M80A
Use	Tool, die and component machining
Quantity	1

Production capability.

13 CNC vertical machining centre



Bed size	800 x 400 mm
Tool magazine	20 tools
Spindle speed	12,000 rpm
Controller	Delta
Use	Tool, die and component machining
Quantity	1

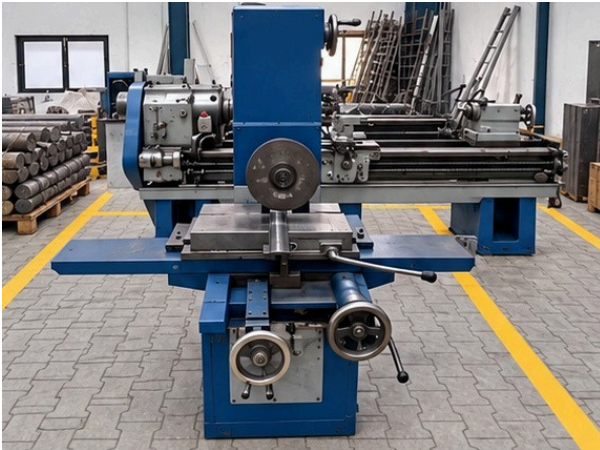
14 Surface grinder



Type	Grinding machine
Bed size	1,000 x 400 mm
Stone size	Ø 360 x 50 mm thick
Use	Upper surface grinding
Quantity	1

Production capability.

15 Surface grinder



Type	Grinding machine
Bed size	350 x 150 mm
Stone size	Ø 200 x 15 mm thick
Use	Upper surface grinding
Quantity	1

16 Mechanical lathes



Bed size 1	4,200 x Ø 1,000 mm
Bed size 2	3,000 x Ø 400 mm
Bed size 3	1,800 x Ø 200 mm
Use	Component turning
Quantity	3

Production capability.

17 SPM linear welding



Type	Hydraulic linear welding machine
Weld length	1,000 mm
Use	Argon welding
Quantity	3

18 Pulse welding



Type	Argon welding machine
Thickness capacity	Up to 3 mm
Use	Argon welding
Quantity	2

Production capability.

19 MIG welding



Type	MIG welding machine
Thickness capacity	Up to 10 mm
Use	Wire-feed welding
Quantity	5

20 Pneumatic seam welding



Type	Pneumatic transformer welding
Thickness capacity	Up to 2 mm
Use	Seam / overlap welding
Quantity	1

Production capability.

21 Automatic slip rolling



Type	Rolling machine
Feeding width	1,300 mm
Use	Sheet rolling
Quantity	2

22 Mechanical power presses



10-ton presses	6
5-ton press	1
65-ton pneumatic	1; high-speed
Use	Cutting, punching and blanking
Listed total	7; capacity breakdown totals 8*

Production capability.

23 Hydraulic pipe bender



Type	Pipe bending machine
Thickness capacity	Up to 5 mm
Use	Pipe profile bending
Quantity	1

24 Hexa / saw cutter



Type	Saw cutting machine
Listed capacity	Up to 400 x 100 mm
Use	Parting solid metal
Quantity	1

Production capability.

25 EOT overhead cranes



Type	Overhead crane
Capacity 1	5 ton - 1 crane
Capacity 2	12 ton - 1 crane
Quantity	2
Use	Material handling*

INTEGRATED PRODUCTION SUPPORT

Material movement. Process continuity.

Internal lifting supports the movement of metal stock, work in progress and finished assemblies.

In-house powder coating.

An integrated finishing stage for fabricated metal products.



AI-generated powder-coating plant illustration

Powder coating complements the sheet metal fabrication process, bringing component manufacture and surface finishing within the same production programme.

TYPICAL PROCESS SEQUENCE

01

Surface preparation

02

Powder application

03

Curing

04

Final inspection

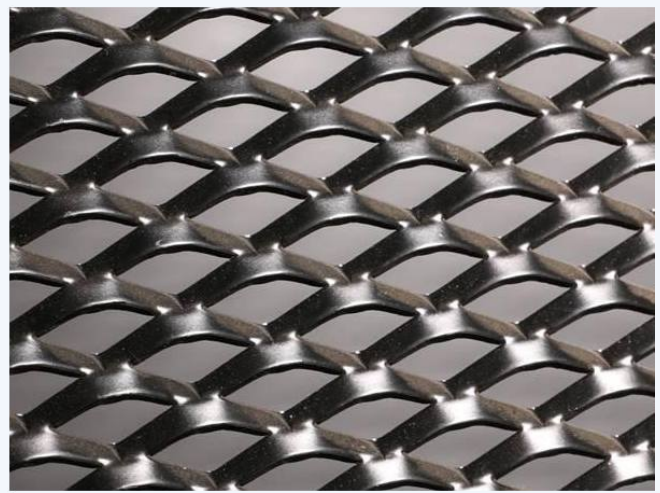
The range.

Products and manufacturing capabilities in one focused catalogue.

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Sheets & coils.

Perforated sheet, coil and expanded-mesh solutions.



PERFORATED SHEETS & COILS

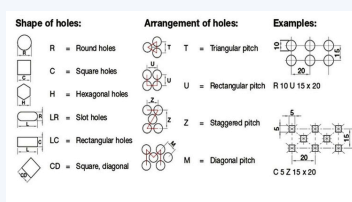
Punched metal patterns for screening, ventilation, drainage and architectural applications. Round, square, slotted, hexagonal and decorative patterns can be specified.

EXPANDED MESH

Slit-and-stretched metal with interconnected diamond openings. Standard raised, flattened and grating forms provide open area for visibility, airflow and light.

MATERIALS & APPLICATIONS

Mild steel, stainless steel, aluminium, copper and brass, as applicable. Uses include facades, sunshades, guards, screens, acoustic assemblies and filtration supports.



Selection details

Material grade, thickness, sheet or coil size, hole size, pitch and open area. For expanded mesh: strand width, mesh pitch and orientation.

Confirm all pattern dimensions, margins and material requirements on the approved drawing.

Tubes & formed mesh.

Tubular solutions for filtration, Ventilation, Protection and engineered assemblies.



PERFORATED TUBES

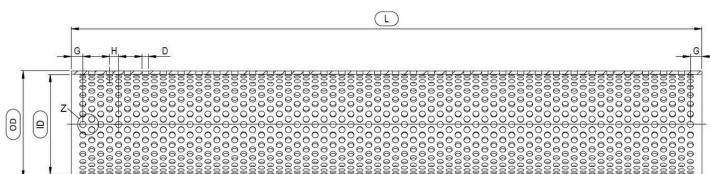
Round, square or rectangular sections made from perforated metal. Specify hole pattern, non-perforated margins, tube geometry and joining requirements.



EXPANDED METAL TUBES

Expanded mesh formed into tubular sections for filter supports, ventilation, guards and industrial assemblies. Define mesh geometry, strand dimensions and seam details.

DRAWING & ORDERING DETAILS

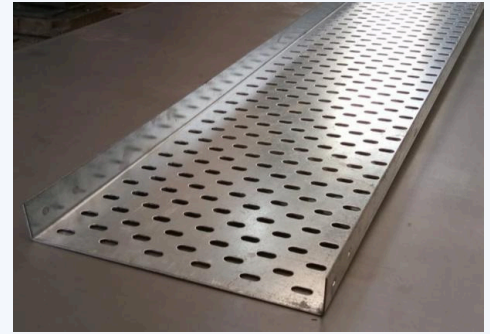


OD: outside diameter
ID: inside diameter
L: length / G: plain margin
D: hole diameter / X1: pitch

State material grade, outside and inside diameter, length, wall thickness, hole or mesh size, pitch, surface finish and joint requirements. Durability, load capacity and acoustic performance depend on the complete design.

Cable trays

Organised cable routing for industrial spaces.



Metal tray systems support and route cables in factories, commercial buildings, data centres and infrastructure installations.

OPTIONS & CAPABILITIES

- Ladder, trough and perforated tray configurations
- Mild steel, galvanised steel, stainless steel and aluminium options
- Elbows, tees, reducers, brackets and hangers to project needs

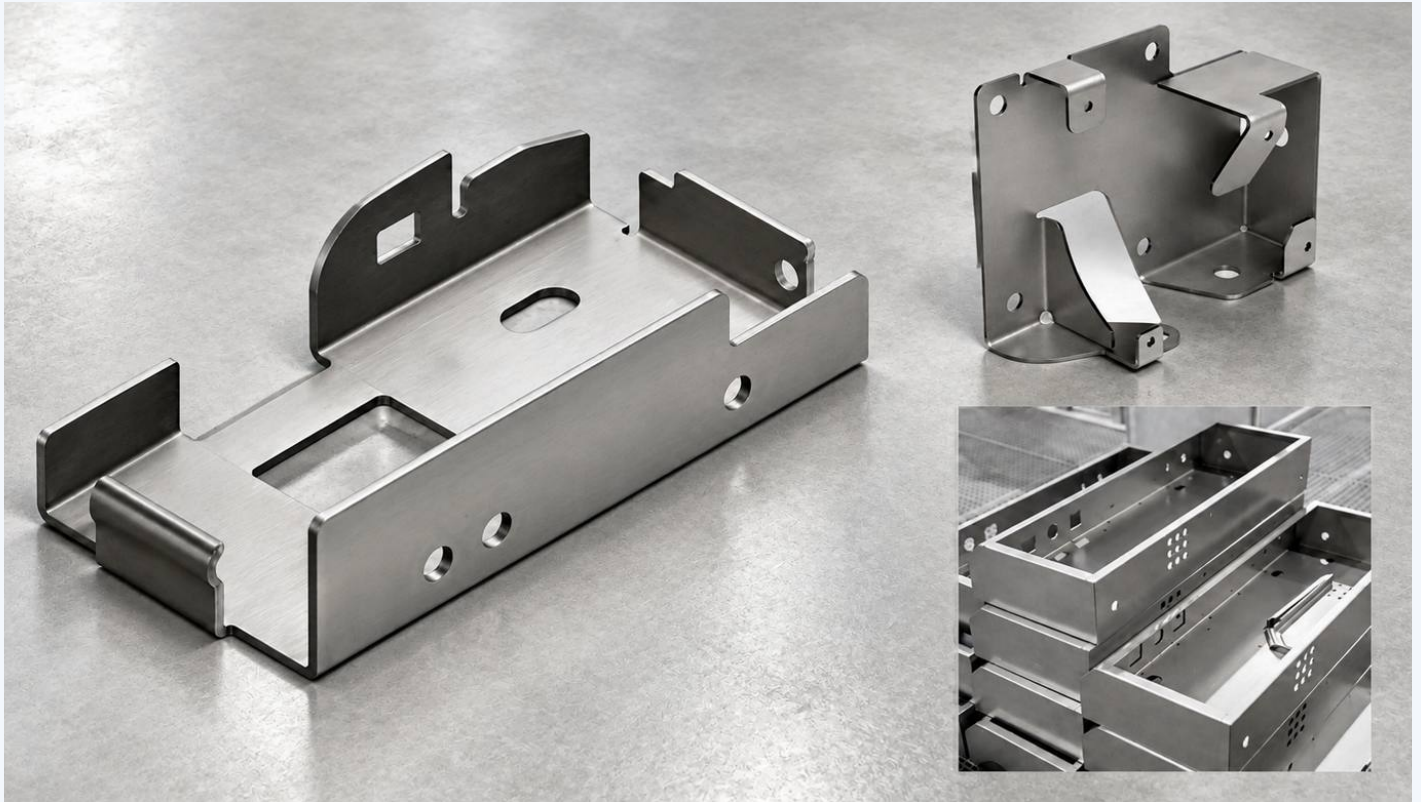
TYPICAL APPLICATIONS

- Electrical distribution and process facilities
- Commercial buildings and data centres
- Power, utility and telecommunications installations

Specify: width, depth, thickness, length, finish, cable load, support span, fittings and applicable project standard.

Sheet metal components

From flat sheet to functional component.



Cut, punched, bent and welded parts for equipment manufacturers, building services and general engineering applications.

OPTIONS & CAPABILITIES

- Stamping, bending, forming and assembly
- Brackets, panels, housings, guards, jigs and fixtures
- Materials and finishes matched to the application

TYPICAL APPLICATIONS

- Automotive parts and equipment assemblies
- HVAC ductwork, cladding and construction components
- Appliances, electronics, furniture and machinery

Specify: drawing revision, material grade, gauge, tolerances, weld details, finish and batch quantity.

Laser-cut components

Complex profiles. Cleanly defined geometry.



Profiled metal components produced from digital drawings, supporting repeatable shapes and flexible part design.

OPTIONS & CAPABILITIES

- Fiber laser cutting capability: 2 kW
- Machine bed: 1,500 x 3,000 mm
- Cutting profiles prepared from DXF files

TYPICAL APPLICATIONS

- Brackets, plates and precision-profiled blanks
- Automotive, industrial and electrical components
- Decorative metalwork and fabricated assemblies

Specify: DXF and dimensioned drawing, material grade, thickness, edge requirements, tolerances and quantity.

CNC turned components

Repeatable geometry for engineered assemblies.



Turned components made by rotating the workpiece against cutting tools to produce cylindrical profiles and detailed features.

OPTIONS & CAPABILITIES

- Turning, facing, drilling, boring and threading
- Shafts, pins, sleeves, spacers and custom turned parts
- Material and tolerance requirements to approved drawings

TYPICAL APPLICATIONS

- Automotive and general engineering
- Pumps, valves and mechanical assemblies
- Electrical, electronics and precision equipment

Specify: material, drawing, diameters, length, threads, surface finish and tolerances. Confirm CNC turning equipment and capacity during enquiry.

Fabricated products

Individual parts. Integrated assemblies.



Sheet metal fabrication brings cutting, bending, forming and welding together to produce application-specific metal products.

OPTIONS & CAPABILITIES

- MIG, TIG/argon, spot and laser welding capabilities described in the profile
- Frames, supports, guards, panels, chutes and hoppers
- Assembly, finishing and packaging support

TYPICAL APPLICATIONS

- Industrial machinery and equipment enclosures
- Electrical cabinets and appliance housings
- Construction, furniture and general manufactured products

Specify: assembly drawings, BOM, materials, welding requirements, coating system, inspection requirements and quantity.

Industrial racks

Storage shaped around operational needs.



Metal storage systems for warehouses and factories, configured around the goods stored, available space and handling method.

OPTIONS & CAPABILITIES

- Pallet and cantilever rack configurations
- Mezzanine, mobile and gravity-flow concepts
- Arrangement and structural requirements to project design

TYPICAL APPLICATIONS

- Palletised stock and warehouse inventory
- Long materials, pipes and sheet storage
- Parts storage, picking and manufacturing support

Specify: unit loads, material sizes, clear heights, aisle widths, handling equipment, floor conditions and required rack configuration.

Noise barriers.

Modular metal-panel solutions for environmental and industrial noise control.



A continuous barrier positioned between a noise source and a sensitive area to help limit sound transmission. Panel design, installation and site geometry determine the achieved performance.

TYPICAL PANEL CONSTRUCTION

Perforated metal facing + sound-absorbing infill, such as mineral wool or equivalent + solid backing sheet. Modular panels are assembled within a supporting structure to form a continuous barrier.

Specify: noise source, target reduction, barrier height and length, panel dimensions, materials, finish, support arrangement and project acoustic requirements. Final performance is subject to design and verification.



FROM CONCEPT TO CAPABILITY.

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