



## PRECISION BRASS & INDUSTRIAL COMPONENTS

*Product Catalog 2026*

Manufacturer & Exporter

ISO | CE | RoHS | MSME Compliant

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# COMPANY PROFILE

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Fine Metal Industries is a trusted manufacturer and exporter of precision brass and industrial components, headquartered at Vision Industrial Park, Changa, Gujarat, India. With advanced CNC machining capabilities, strict quality inspection protocols, and years of industry expertise, we deliver reliable, high-performance components engineered for accuracy, durability, and consistency across global markets.

Our product portfolio spans 11 specialized categories — from foundry-grade core vents and precision CNC turned parts to medical-grade brass fittings and industrial fasteners — serving the electrical, automotive, plumbing, gas, healthcare, and engineering sectors worldwide.

## OUR MISSION

To manufacture precision-engineered brass and industrial components with uncompromising quality, advanced technology, and dependable customer service for global industrial applications.

## OUR VISION

To be a globally recognized manufacturer and exporter of precision brass components through continuous innovation, advanced manufacturing technology, and unwavering quality standards.

## OUR COMMITMENT

Delivering dependable product quality, on-time service, precision manufacturing, and customer-focused solutions for diverse industrial requirements across domestic and international markets.

## WHY CHOOSE FINE METAL INDUSTRIES

- Advanced Manufacturing Infrastructure with modern CNC machinery
- Strict Quality Control & Multi-Stage Inspection at every production step
- Customized Engineering Solutions — components built to your drawings and specs
- Reliable Global Supply Capability — serving domestic and export markets
- ISO, CE, RoHS & MSME compliant manufacturing standards
- Skilled technical workforce with deep domain expertise

# MANUFACTURING CAPABILITIES



## Precision Brass Components

High-quality brass components designed for dimensional accuracy, durability, and consistent industrial performance.

## Customized Production

Products manufactured according to customer drawings, samples, specifications, and unique application requirements.

## Quality Inspection

Multi-stage inspection procedures ensure dependable product quality and manufacturing consistency at every step.

## Industrial Solutions

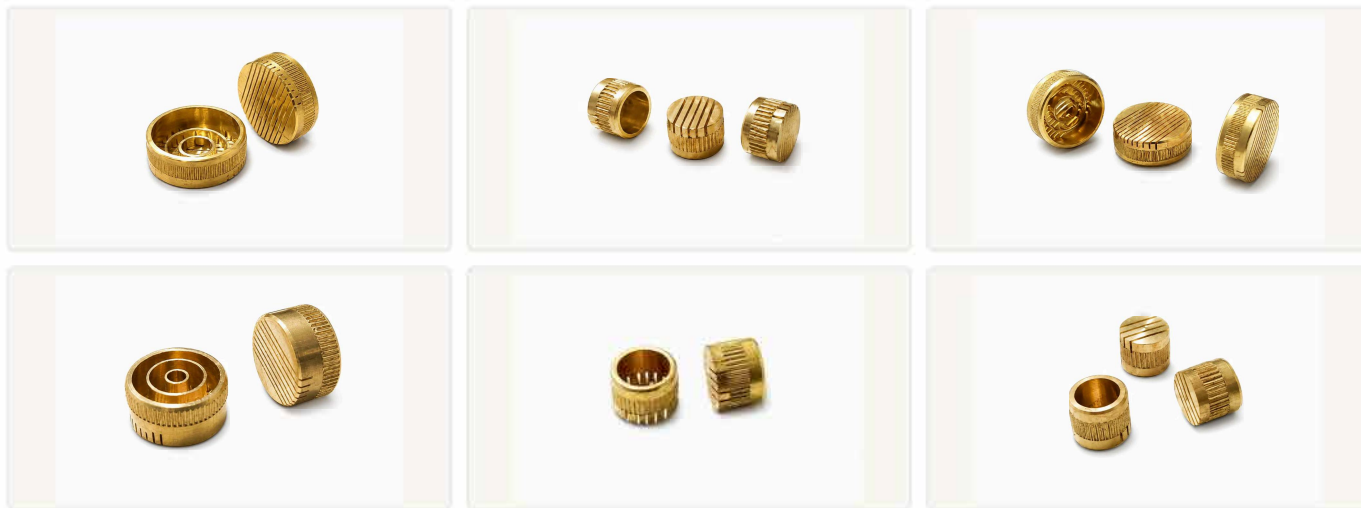
Reliable manufacturing solutions serving the electrical, engineering, automotive, plumbing, gas, medical, and industrial sectors.

## Manufacturing Processes

- CNC Turning & Precision Machining
- Brass Extrusion & Profile Manufacturing
- Drilling, Milling, Tapping & Knurling
- Threading (Metric, BSP, UNC, UNF, NPT & custom)
- Surface Finishing — Natural, Nickel, Chrome, Tin, Silver Plating
- Dimensional Inspection & Quality Testing

# BRASS CORE VENTS

*Precision-Engineered for Foundry Excellence*



Fine Metal Industries manufactures high-quality brass core vents designed for efficient gas release, smooth core surface finishing, and dependable foundry performance. Widely used in hot box, cold box, and shell core applications across industrial foundry operations, our core vents are precision-machined from premium brass stock to ensure consistent gas venting and dimensional reliability.

## Technical Specifications

Specification	Details
Material	Free Cutting Brass, IS 319 Brass
Size Range	4 MM to 22 MM
Thread Type	Customized as per requirement
Tolerance	Precision machining standards
Surface Finish	Natural Brass, Polished, Nickel Plated
Process	Brass Extrusion → CNC Machining → Finishing → Inspection → Packaging

## Key Features

- Smooth & Efficient Gas Release
- Corrosion Resistant Brass Material
- Precision Machined Finish
- Accurate Dimensional Tolerances
- Reliable Foundry Performance
- Easy Installation

**Applications:** Foundry Industries | Core Box Applications | Hot Box Processes | Cold Box Processes | Shell Core Systems | Industrial Tooling

*Any kind of Brass Core Vents can be developed and supplied exactly as per customer specification. — FINE METAL INDUSTRIES*

# BRASS CNC TURNED COMPONENTS

*Precision Machining for Complex Industrial Applications*



Fine Metal Industries manufactures precision brass CNC turned components for engineering, electrical, automotive, pneumatic, and industrial applications. Utilizing advanced CNC machining processes, we deliver components with tight tolerances (up to  $\pm 0.01$  mm), smooth surface finishing, and reliable threading — from prototype to high-volume production.

## Technical Specifications

Specification	Details
Material	Free Cutting Brass, IS 319, CW614N, CW617N
Component Size	2 mm to 100 mm diameter
Tolerance	Up to $\pm 0.01$ mm
Thread Types	ISO Metric, MM, PG, BSW, BSP, BSB, BSF, BA, NPT, NPTF, UNC, UNF, UNEF
Surface Finish	Natural Brass, Nickel Plated, Tin Plated, Chrome Plated
Processes	CNC Turning, Drilling, Milling, Tapping, Knurling
Production	Small, Medium & High Volume Production

## Key Features

- High Dimensional Accuracy ( $\pm 0.01$  mm)
- Excellent Machining Finish
- Corrosion Resistant
- Reliable Threading Quality
- Consistent Production Standards
- Fully Customized Manufacturing

**Applications:** Electrical Industries | Automotive | Pneumatic Systems | Switchgear Assemblies | Precision Mechanical Components

*Any kind of Brass CNC Turned Components can be developed and supplied exactly as per customer specification. — FINE METAL INDUSTRIES*

# BRASS INSERTS

*Engineered for Strong, Reliable Threaded Connections*



Fine Metal Industries manufactures precision brass inserts in a comprehensive range of types, sizes, knurling patterns, and finishes for plastic molding, CPVC pipe systems, electrical fittings, automotive assemblies, and engineering applications. Each insert is produced from high-grade brass to ensure strong thread-holding capacity, corrosion resistance, and extended service life.

## Technical Specifications

Specification	Details
Material	Free Cutting Brass, CW614N, CW617N, IS 319 Grade
Types	Threaded, CPVC, Ultrasonic, Heat Staking, Knurled, Press Fit, Moulding
Thread Types	Metric, BSP, BSW, UNC, UNF
Surface Finish	Natural Brass, Nickel Plated, Tin Plated, Chrome Plated
Installation	Ultrasonic, Heat Staking, Press Fit, Moulding

## Key Features

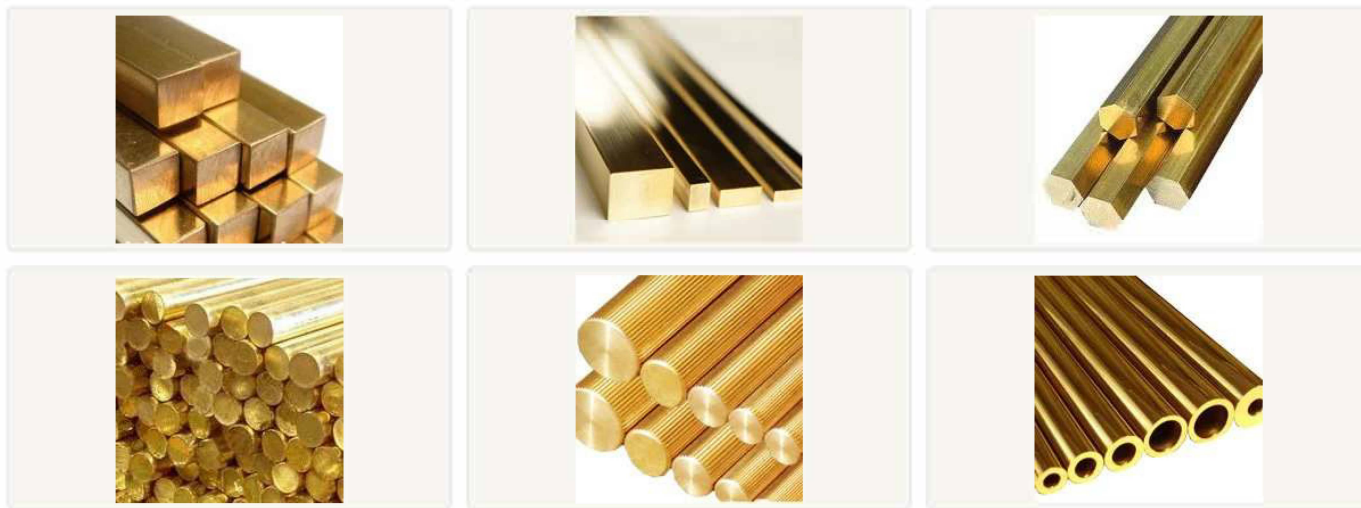
- Strong Thread Holding Capacity
- Corrosion Resistant
- Accurate Dimensions
- Smooth Surface Finish
- Available in Custom Sizes & Patterns
- High Strength Brass Material

**Applications:** Plastic Molding | CPVC Pipe Fittings | Electrical Components | Automotive | Consumer Appliances | Industrial Equipment

*Any kind of Brass Inserts can be developed and supplied exactly as per customer specification. — FINE METAL INDUSTRIES*

# BRASS EXTRUDED RODS

*Premium Raw Material for Industrial Machining*



Fine Metal Industries manufactures brass extruded rods in round, hexagonal, square, flat, hollow, and customized profiles for electrical, engineering, plumbing, and machining applications. Our extrusion process ensures dimensional consistency, excellent machinability, smooth surface finish, and durable material quality.

## Technical Specifications

Specification	Details
Material Grades	IS 319 Brass, CW614N, CW617N, Free Cutting Brass
Shapes	Round, Hexagonal, Square, Flat, Hollow
Surface Finish	Natural Brass, Polished Finish
Size Range	Customized per industrial requirements

## Key Features

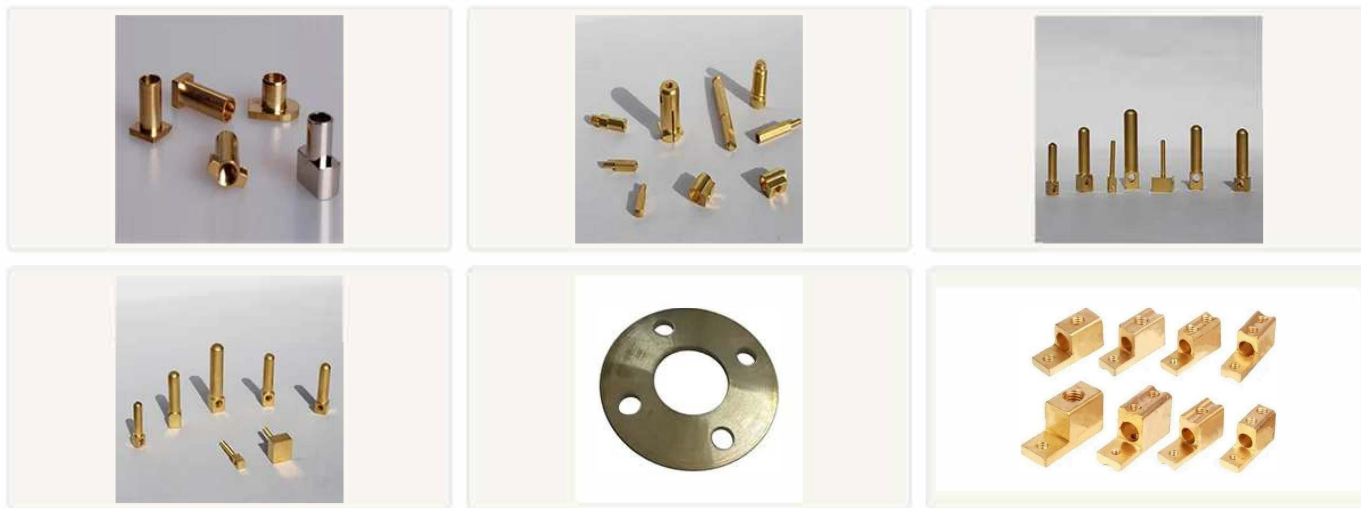
- Smooth Surface Finish
- Excellent Machinability
- Durable Industrial Performance
- Accurate Dimensions
- High Strength Material
- Available in Custom Profiles

**Applications:** Electrical Components | Fasteners Manufacturing | Plumbing Fittings | CNC Machining | Automotive | Engineering

*Any kind of Brass Extruded Rods can be developed and supplied exactly as per customer specification. — FINE METAL INDUSTRIES*

# BRASS ELECTRICAL PARTS

*Reliable Conductivity for Critical Electrical Systems*



Fine Metal Industries manufactures a comprehensive range of brass electrical components designed for excellent conductivity, corrosion resistance, and long-term industrial performance. Our electrical parts serve panel boards, switchgear systems, circuit breakers, transformer assemblies, and earthing infrastructure across domestic and international markets.

## Technical Specifications

Specification	Details
Material	Free Cutting Brass, IS 319, CW614N, CW617N
Surface Finish	Natural Brass, Nickel Plated, Tin Plated
Thread Types	Metric, BSP, UNC, UNF
Products	Terminals, Neutral Links, Connectors, Switchgear Parts, Earthing Accessories, Panel Board Parts

## Key Features

- Excellent Electrical Conductivity
- Corrosion Resistant
- Accurate Dimensions
- Reliable Threading Quality
- Smooth Surface Finish
- Customized Manufacturing Options

**Applications:** Electrical Panels | Switchgear Systems | Circuit Breakers | Transformer Assemblies | Earthing Systems

*Any kind of Brass Electrical Parts can be developed and supplied exactly as per customer specification. — FINE METAL INDUSTRIES*

# BRASS GAS PARTS

*Leak-Resistant Components for Safe Gas Applications*



Fine Metal Industries manufactures precision brass gas parts — valves, nozzles, regulators, burner components, adapters, and connectors — engineered for leak-resistant performance, accurate threading, and durable operation in LPG systems, industrial gas equipment, and commercial appliances.

## Technical Specifications

Specification	Details
Material	Free Cutting Brass, IS 319, CW614N, CW617N
Surface Finish	Natural Brass, Nickel Plated, Chrome Finish
Thread Standards	BSP, BSPT, NPT, Metric Threads
Size Range	1/8" to 2" and customized sizes

## Key Features

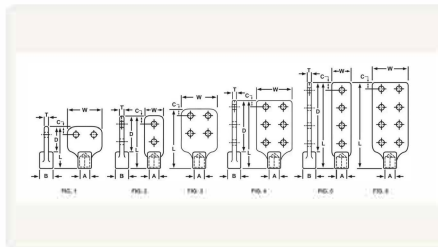
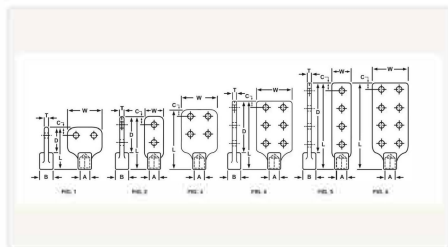
- Corrosion Resistant
- Leak-Resistant Design
- Accurate Threading
- Smooth Surface Finish
- Reliable Gas Flow Performance
- Customized Manufacturing Options

**Applications:** LPG Gas Systems | Industrial Gas Equipment | Gas Regulators | Commercial Burners | Gas Stove Components | Gas Pipelines

*Any kind of Brass Gas Parts can be developed and supplied exactly as per customer specification. — FINE METAL INDUSTRIES*

# ELECTRICAL TRANSFORMER COMPONENTS

*High-Conductivity Parts for Power Distribution*



Fine Metal Industries manufactures durable brass transformer components — terminals, connectors, bushings, studs, pins, and neutral links — designed for reliable electrical conductivity, corrosion resistance, and dependable performance in power transformers, distribution systems, and switchgear assemblies.

## Technical Specifications

Specification	Details
Material	IS 319 Brass, CW614N, CW617N, CuZn39Pb3
Surface Finish	Natural Brass, Nickel, Tin, Silver Plated
Thread Sizes	M2 to M24 and customized sizes
Components	Terminals, Pins, Bushings, Connectors, Studs

## Key Features

- Excellent Electrical Conductivity
- Corrosion Resistant
- Accurate Dimensions
- Reliable Threading Quality
- Long Service Life
- Customized Manufacturing Options

**Applications:** Power Transformers | Distribution Transformers | Electrical Panels | Switchgear Systems | Industrial Electrical Equipment

*Any kind of Transformer Components can be developed and supplied exactly as per customer specification. — FINE METAL INDUSTRIES*

# SANITARY & PLUMBING COMPONENTS

*Leak-Proof Fittings for Water & Pipe Systems*



Fine Metal Industries manufactures a full range of brass sanitary and plumbing components — tees, elbows, unions, sockets, couplings, bushes, plugs, adapters, nipples, and hose jointers — designed for leak-proof performance, smooth threading, and long service life in plumbing, sanitary, and water distribution systems.

## Technical Specifications

Specification	Details
Material	CW614N, CW617N, CW602N, Free Cutting Brass
Surface Finish	Natural Brass, Nickel Plated, Chrome Finish
Thread Standards	BSP, BSPT, Metric, NPT
Sizes	1/4" to 2" and customized sizes
Shapes	Hex, Round, Forged, Customized

## Key Features

- Corrosion Resistant
- Leak-Proof Design
- Smooth Threading Finish
- High Strength Material
- Easy Installation
- Long Service Life

**Applications:** Plumbing Systems | Bathroom Fittings | Water Distribution | Pipe Assemblies | Sanitary Installations

*Any kind of Sanitary & Plumbing Components can be developed and supplied exactly as per customer specification. — FINE METAL INDUSTRIES*

# INDUSTRIAL VALVE COMPONENTS

*Durable Flow Control for Plumbing & Industrial Systems*



Fine Metal Industries manufactures precision brass concealed valves, gate valve bodies, valve spindles, valve seats, stop valves, and customized valve components for reliable water flow control, corrosion resistance, and long industrial service life in plumbing, sanitary, and industrial pipeline applications.

## Technical Specifications

Specification	Details
Material	Free Cutting Brass, IS 319, CW614N, CW617N
Surface Finish	Natural Brass, Nickel Plated, Chrome Finish
Thread Standards	BSP, BSPT, NPT, Metric
Types	Concealed Valves, Gate Valve Bodies, Spindles, Seats, Stop Valves

## Key Features

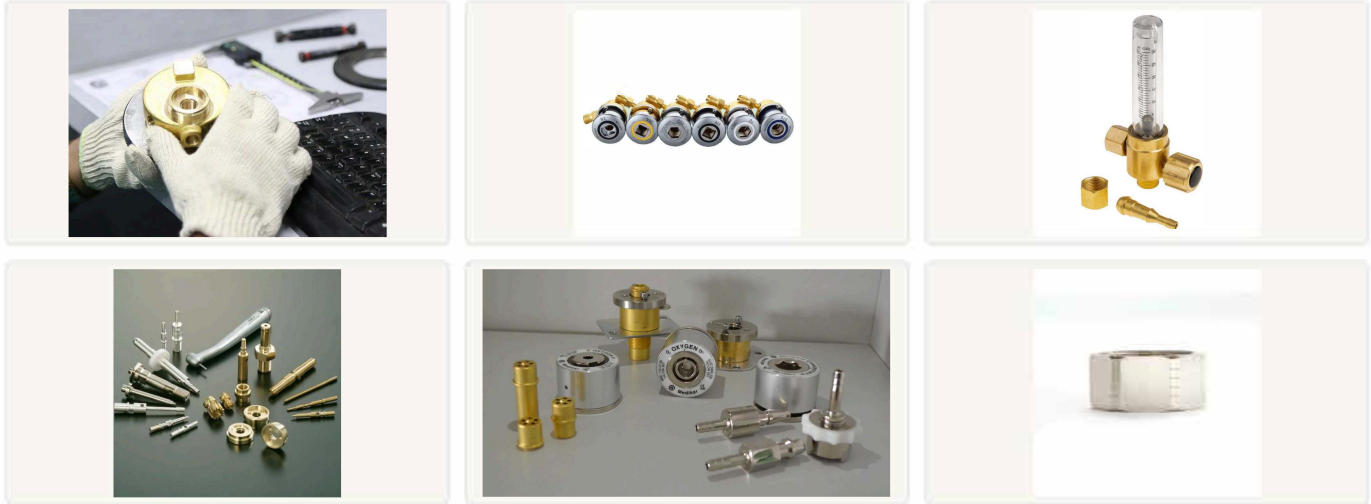
- Corrosion Resistant
- Leak-Resistant Design
- Smooth Threading Finish
- Accurate Dimensions
- Long Service Life
- Customized Manufacturing Options

**Applications:** Plumbing Systems | Sanitary Fittings | Industrial Pipelines | Water Distribution | Commercial Plumbing

*Any kind of Industrial Valve Components can be developed and supplied exactly as per customer specification. — FINE METAL INDUSTRIES*

# BRASS MEDICAL PARTS

*Hygienic Precision for Healthcare Applications*



Fine Metal Industries manufactures brass medical components — oxygen flow meter parts, medical gas connectors, oxygen pipe fittings, surgical components, valve parts, and precision adaptors — engineered for hygienic performance, leak-resistant assembly, and reliable operation in hospital oxygen systems, medical gas pipelines, ICU equipment, and healthcare devices.

## Technical Specifications

Specification	Details
Material	Free Cutting Brass, IS 319, CW614N, CW617N
Thread Types	BSP, BSPT, Metric, UNC, UNF
Size Range	M3 to M24 and customized sizes
Surface Finish	Natural Brass, Nickel, Chrome, Tin Plated, Polished
Process	CNC Turning, Precision Machining, Drilling, Threading

## Key Features

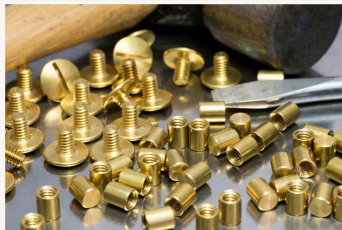
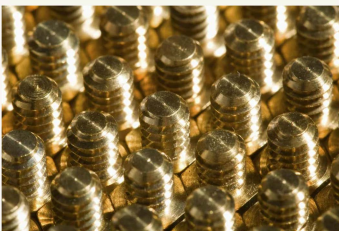
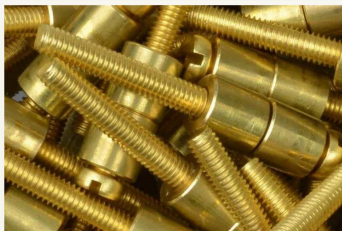
- Hygienic Material Quality
- Leak-Resistant Assembly
- Corrosion Resistant
- Accurate Dimensions
- Smooth Surface Finish
- Customized to Healthcare Specs

**Applications:** Hospital Oxygen Systems | Medical Gas Pipelines | Surgical Equipment | Healthcare Devices | ICU & Emergency Equipment

*Any kind of Brass Medical Parts can be developed and supplied exactly as per customer specification. — FINE METAL INDUSTRIES*

# INDUSTRIAL BRASS FASTENERS

*Reliable Fastening Solutions for Every Industry*



Fine Metal Industries manufactures a full range of industrial brass fasteners — screws, bolts, nuts, washers, studs, spacers, machine screws, and customized threaded components — engineered for superior strength, corrosion resistance, and long-term durability in electrical, automotive, construction, plumbing, and machinery applications.

## Technical Specifications

Specification	Details
Material	Free Cutting Brass, IS 319, CW614N, CW617N
Thread Types	ISO Metric, BSP, UNC, UNF
Size Range	M2 to M24
Surface Finish	Natural Brass, Nickel, Tin, Chrome Plated
Processes	CNC Turning, Drilling, Milling, Tapping, Knurling

## Key Features

- Excellent Thread Accuracy
- Corrosion Resistant
- High Strength Material
- Smooth Surface Finish
- Reliable Fastening Performance
- Available in Custom Sizes

**Applications:** Construction | Automotive | Plumbing Systems | Industrial Machinery | Switchgear Assemblies | Engineering Equipment

*Any kind of Industrial Brass Fasteners can be developed and supplied exactly as per customer specification. — FINE METAL INDUSTRIES*

# QUALITY & CERTIFICATIONS

Fine Metal Industries follows recognized international quality standards for manufacturing precision brass, earthing, and industrial metal components. Our certifications reflect our commitment to dependable manufacturing quality, product consistency, and export-focused production standards.



## Compliance & Standards

- ISO Quality Management Systems
- CE Marking Compliance
- RoHS Directive Compliance
- MSME Registered Manufacturer
- International Plumbing & Electrical Standards

## Quality Control Process

Every component undergoes multi-stage inspection — from raw material verification through dimensional measurement, thread accuracy testing, surface finish evaluation, and final packaging inspection — to ensure consistent quality across every production batch.

## Our Trusted Partners



# LET'S BUILD TOGETHER

Partner with Fine Metal Industries for precision brass components engineered to your exact specifications.

Head Office	Contact Details
<b>Fine Metal Industries</b>	Phone: (+91) 8238332132
Vision Industrial Park, Road No. 6, Plot No. 284, Changa, Jamnagar – 361012 Gujarat , India.	Email: <a href="mailto:info@finemetalind.com">info@finemetalind.com</a>
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Business Hours: Mon–Thu & Sat: 8:00 AM – 8:00 PM

