



Crafted with Precision



**WORLD CLASS
R&D**



**FASTER
DELIVERIES**



**ANY SHAPE
SIZE, COLOR**

A LEGACY BUILT ON SAFETY & TRUST

Founded by Shri O.P. Jindal in 1970, Jindal Stainless is one of the largest stainless steel conglomerates in India and ranks amongst the top 10 stainless steel conglomerates in the world.

Jindal Stainless Group has an annual crude steel capacity of 1.9 MTPA and an annual turnover of \$ 4.2 Billion USD (as on Mar'2022). Our growth has been backed by the excellence of our people, value driven business operations, customer centricity, adoption of one of the best safety practices in the stainless steel industry and a commitment for social responsibility.



COIN BLANKING DIVISION

Jindal Stainless has been a trusted global supplier of coin blanks over the past 18 years and a leading manufacturer to India Government Mint since its inception in 2001. Jindal Stainless first exported coin blanks to French Mint in year 2005. Today, nearly after 18 years of its inception, Jindal Stainless is one of the largest coin blank manufacturers with installed capacity of 10000 MT per year for Monometallic Coin Blanks. In recent years Jindal Stainless has concentrated on meeting the global demand for Coin Blanks.

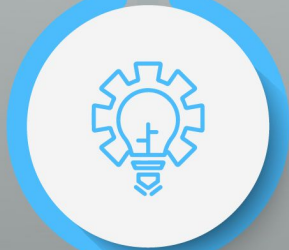
OFFERED SERVICES

Jindal Stainless is a supplier of coin blanks, ready for striking to global mints. The coin blanks are of high quality and are accurate in size to ensure trouble-free striking on high-speed presses. Jindal Stainless offers to mints its technical assistance and advice to achieve an excellent end product.

The following services are available:



Advice on design to complement existing series, alterations and renewals together with the introduction of new coins and coin series.



Development of ideas on the form of new coin denominations.



Sampling of and advice on the suitability of coinage alloys.



VALUE PROMISED, VALUE DELIVERED

It is Jindal Stainless aim to achieve complete and long-term customer satisfaction. All the product divisions are engaged in the permanent task of making their production processes and business procedures more efficient and reliable in organizational and technical terms. The company has introduced Total Quality Management (TQM) system in compliance with the ISO 9000 series, certified and monitored by reputable certification bodies. The TQM systems are harmonised & co-ordinated on a product-wise basis, focusing on achieving long-term customer satisfaction.

Our Quality team implements and controls quality processes and procedures from the Raw Material stage to the delivery of the product to the customer. High levels of Quality procedures implemented on each manufacturing stage is carefully planned, designed and built to guarantee, world standards in ever higher purities, tighter tolerances & analysis and improved properties.

The effectiveness of the Quality System implemented are regularly verified and updated by internal auditing. Jindal possesses world class quality equipments, including spectrometers, XRF machines, electronic microscope, hardness tester, Profile Projectors etc.



TESTING EQUIPMENTS

- Optical Emission Spectrometer
- XRF machines
- Electron Microscopes
- Tensile & hardness Tester
- Surface Roughness tester
- Profile Projectors

The chemical, physical weight & measures laboratories have been carefully planned, designed and built to be integrated with the quality system adopted and implemented in every stage of the production process. These laboratories guarantee the highest level of quality standards.

MECHANICAL TESTING

- Preparing samples
- Tensile tests
- Elasticity tests
- Elongation tests
- Hardness tests
- Bending Yield Limit



CHEMICAL LABORATORY

- Chemical Composition of Raw Material
- Controlling production processes (Casting, Rolling, Annealing, Cleaning, Finishing etc.)
- Checking Quality finished products

WORLD CLASS PRODUCTS, LIMITLESS POSSIBILITIES

Ready to strike coin blanks

A coin blank is the metal disc ready for striking. The blank is punched in its round form from a metal strip, and then processed through rimming machine, which raises the edge rims on the blank and turns it into a coin blank



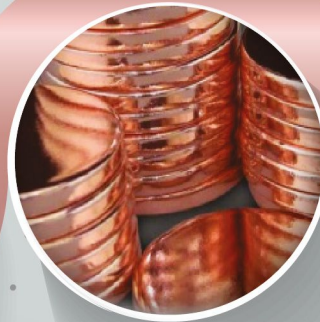
MONO METAL BLANKS

Blanks are punched out from a solid metal strip of copper or copper alloy or stainless steel



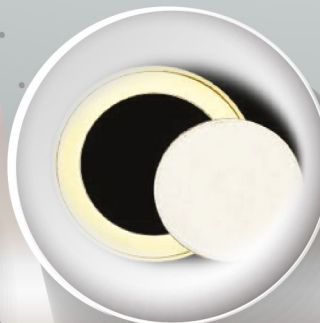
COPPER- BASED ALLOYS

Metal alloys based on copper. Alloying elements can be nickel, tin, aluminium etc. Alloying means mixing of two or more metals. Base metal is over 50% of the alloy.



BI-METAL BLANKS

A blank produced of two different metals that normally also have different colors. Bi-metal blanks can be produced from steel blanks and copper alloy blanks as well as from two different colour copper alloys.



SETTING HIGH QUALITY STANDARDS WITH IN-HOUSE CAPABILITIES

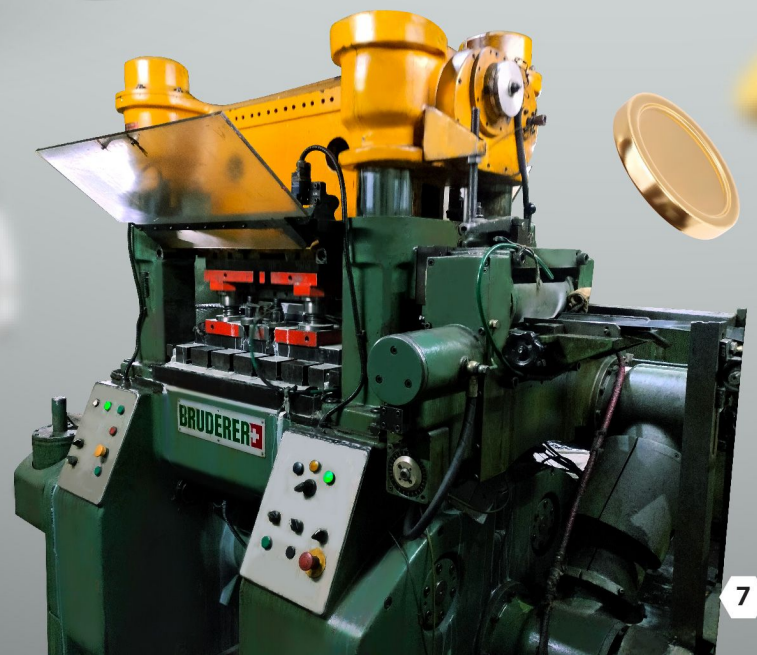


**PRODITEC
INSPECTION
MACHINE**



**PRODITEC
VISILAB**

**BRUDERER
PUNCHING PRESS**



THE MOST POPULAR ALLOYS

| COINAGE MATERIALS | DIN DESIGNATION | MAIN ELEMENTS | DENSITY KG / DM 3 | VICKERS HARDNESS |
|-------------------------|-----------------|--------------------------|-------------------|------------------|
| Cupronickel 25 | CuNi 25 | Cu 75%, Ni 25% | 8.9 | 80 |
| Nickel Silver 18 | CuNi18Zn20 | Cu 62%, Ni 18%, Zn 20% | 8.7 | 85 |
| Nickel Silver 15 | CuNi15Zn25 | Cu 60%, Ni 15%, Zn 25% | 8.7 | 85 |
| Nickel Silver 12 | CuNi12Zn24 | Cu 64%, Ni 12%, Zn 24% | 8.7 | 85 |
| Nickel Silver 9 | CuNi9Zn10 | Cu 81%, Ni 9%, Zn 10% | 8.75 | 70 |
| Nickel Silver 6 | CuNi5.5Zn24.5 | Cu 70%, Ni 5.5%, Zn 24.5 | 8.7 | 85 |
| Brass 70/30 | CuZn30 | Cu 70%, Zn 30% | 8.5 | 75 |
| Brass 64/36 | CuZn36 | Cu 64%, Zn 36% | 8.4 | 85 |
| Nickel-Brass | CuZn20Ni | Cu 79%, Zn 20%, Ni 1% | 8.7 | 70 |
| Nickel-Brass | CuZn35Ni2 | Cu 63%, Zn 35%, Ni 2% | 8.5 | 70 |
| Aluminium-Nickel-Bronze | CuAl6Ni2 | Cu 92%, Al 6%, Ni 2% | 8.1 | 85 |
| SS- AISI430 | X8Cr17 | Fe 83%, Cr 17% | 7.6 | 155 |

BI-METAL BLANKS COMBINATIONS

| EXTERNAL RINGS | | INSERTS | |
|----------------------------|--------|--------------------------|--------|
| Stainless Steel AISI 430 | White | Bronze CuAl6Ni2 | Golden |
| Cupro Nickel CuNi25 | White | Bronze CuAl6Ni2 | Golden |
| Nickel Silver Cu65Ni12Zn23 | White | Bronze CuAl6Ni2 | Golden |
| Bronze type CuAl6Ni2 | Golden | Cupro Nickel CuNi25 | White |
| Bronze type CuAl6Ni2 | Golden | Stainless Steel AISI 430 | White |

PRODUCT DETAILS: COIN BLANKS

| | |
|-----------------|----------------|
| Diameter range | 12 to 30 mm |
| Thickness range | 0.85 to 2.5 mm |

PROCESS FLOW DIAGRAM FOR COIN BLANKS:



TOP CERTIFICATIONS FOR QUALITY AND SAFETY



ISO 9001:2015

QUALITY MANAGEMENT SYSTEM

ISO 14001:2015

ENVIRONMENT MANAGEMENT SYSTEM

ISO 45001:2018

ORGANIZATION HEALTH & SAFETY

ISO/IEC 17025:2017

GENERAL REQUIREMENTS FOR THE COMPETENCE
OF TESTING & CALIBRATION LABORATORIES

BIS GRANT TO USE THE STANDARD MARK PER

IS 6911, 5522 & 15997 RESPECTIVELY



DOMESTIC NETWORK



-  MANUFACTURING FACILITIES
-  DOMESTIC SALES OFFICES
-  SERVICE CENTRES

GLOBAL NETWORK



 INTERNATIONAL SALES OFFICES

 MANUFACTURING FACILITIES

 SERVICE CENTRE

 WAREHOUSE

NOT JUST CUSTOMIZATION, CUSTOMER SERVICE TOO.

The key to a long term relationship in any business is Customer Service. Jindal Stainless, along with world class manufacturing facilities and products, offers a dedicated team of professionals that is there for its customers. The team is composed of sales as well as technical professionals to cater to all the queries and requirements of the customers.

- | | | |
|--|--|---|
| ● Robust global supply chain network | ● Dedicated sales team for servicing all your requirements | ● Dedicated technical team to address all the technical concerns. |
| ● Focus on building long term business partnership | ● SAP enabled system | |



The logo for JSL JINDAL STAINLESS. The letters 'JSL' are in a bold, black, sans-serif font. To the right of 'JSL' is a stylized orange and grey arch. Below 'JSL' and the arch, the words 'JINDAL STAINLESS' are written in a smaller, black, sans-serif font.

JSL
JINDAL STAINLESS

www.jindalstainless.com

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