JINDAL STAINLESS

www.jindalstainless.com

JINDAL STAINLESS (HISAR) LIMITED

JINDAL STAINLESS

CUSTOMIZED

COIN BLANKS

IN ANY

MATERIAL | SHAPE | SIZE | COLOUR

A LEGACY OF ENDURING QUALITY

Jindal is the largest producer of Stainless Steel and Non-Ferrous Coin Blanks in India. It has a fully integrated production facility of 10000 metric tonne capacity. The plant is located at Hisar in Northern India.

Facilities installed: Steel Melting Shops with Electric Arc Furnace, 2 Continuous Casters AOD, VOD & LRF processing, 1 Hot Rolling Mill, Separate Tandem Mill, captive Power Generation with oil feed DG set, Finishing Lines etc.

A separate fully equipped plant for nonferrous strips production like 3 Coreless Melting Furnaces, 2 Horizontal Continuous Casting line for Non-Ferrous alloys, 1 Milling line, 1 4Hi Cold Rolling Mill, 3 Bell Annealing Furnaces , 1 Pickling Line ,1 Slitting Line along with Auxiliary equipments .

A separate Coin Blanking Division is fully equipped with 5 High Speed Blanking presses, 3 Schuler Bimetallic Presses , 5 Rimming machines, 3 continuous annealing lines, 3 Pickling Machines, 4 High speed polishing Machines , 4 Continuous Manual Inspection Lines, 2 Automatic Inspection machine (Proditec) along with packing and dispatch facilities for overall production of 10000 MT of Monometallic coin blanks per annum.

We have been supplying Coin Blanks in India and abroad in various grades. To name of few are India Government Mint, French Mint, Royal Canadian Mint.

COIN BLANKING DIVISION

Jindal 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 first exported coin blanks to French Mint in year 2005. Today, nearly after 18 years of its inception, Jindal is one of the largest coin blank manufacturers with installed capacity of 10000 MT per year for Monometallic Coin Blanks. In recent years Jindal has concentrated on meeting the global demand for Coin Blanks.

OFFERED SERVICES

Jindal is a supplier of coin blanks, ready for striking to global mints. The coin blanks are of high quality and are accurate to size to ensure trouble-free striking on high-speed presses. JSHL 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's 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.

OTHER 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

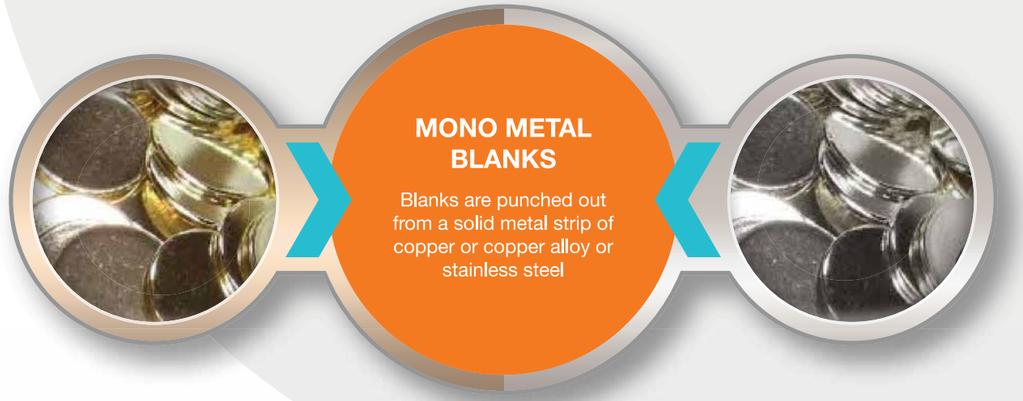
CHEMICAL LABORATORY

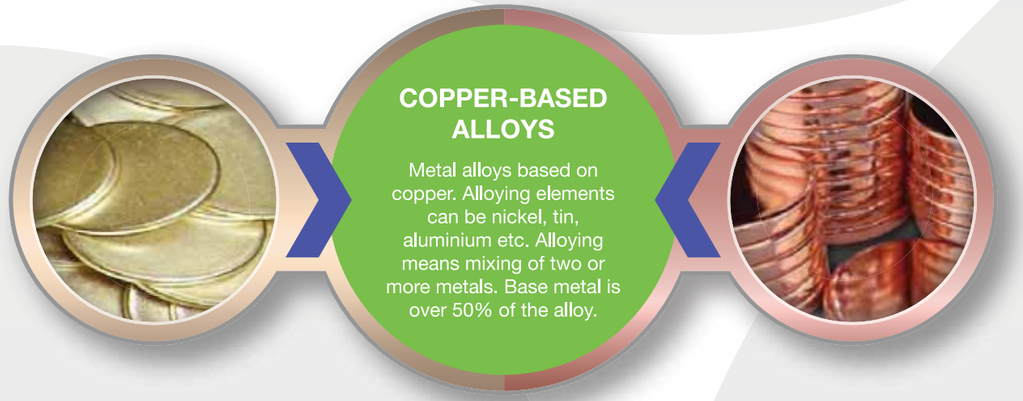
- Chemical Composition of Raw Material
- Controlling production processes(Casting, Rolling , Annealing, Cleaning, Finishing etc.)
- Checking Quality finished products

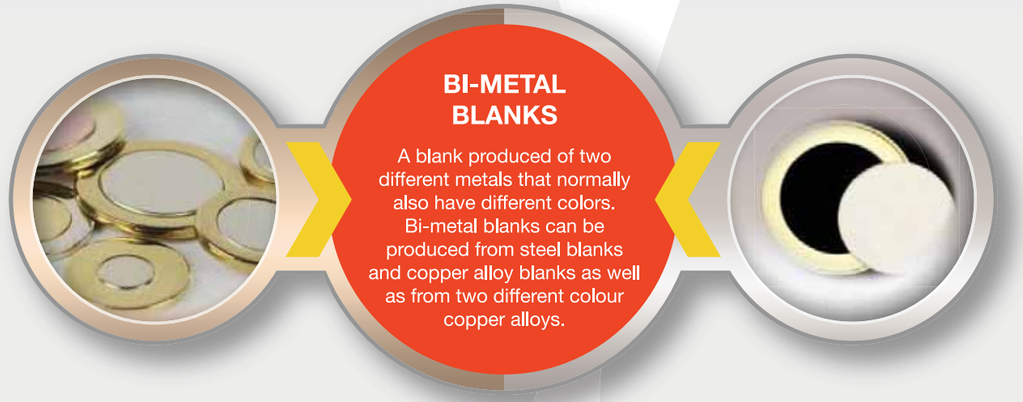
WORLD CLASS PRODUCTS, LIMITLESS POSSIBILITIES

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







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 20	CuNi20Zn15	Cu 65%, Ni 20%,Zn 15%	8.7	85
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 -5	CuZn20Ni	Cu 75%, Zn 20%,Ni 5%	8.7	70
Nickel-brass -1	CuZn20Ni	Cu 79%, Zn 20%,Ni 1%	8.7	70
Aluminium-Nickel-Bronze 6	CuA1Ni2	Cu 92%, A1 6%,Ni 2%	8.1	85
Ferritic SS- AISI430	X8Cr17	Fe 83%, Cr 17%	7.7	160

BI-METAL BLANKS COMBINATIONS

EXTERNAL RINGS		INSERTS	
Stainless steel AISI 430	White	Bronze type CuAl6Ni2	Golden
Cupronickel type CuNi25	White	Bronze type CuAl6Ni2	Golden
Cupronickel type CuNi25	White	Bronze type CuZn2.5Sn0.5	Reddish
Bronze type CuAl6Ni2	Golden	Cupronickel type CuNi25	White
Bronze type CuAl6Ni2	Golden	Bronze type CuZn2.5Sn0.5	Reddish
Bronze type CuZn2.5Sn0.5	Reddish	Bronze type CuAl6Ni2	Golden

PRODUCT DETAILS: COIN BLANKS

DIAMETER RANGE	12 TO 30 MM
THICKNESS RANGE	0.85 TO 2.5 MM

PROCESS FLOW DIAGRAM FOR COIN BLANKS: