



WWW.KESRIALLOYS.COM



# BROCHURE 2022

INGOTS | ROLLED BARS | SQUARE BARS | FORGED BARS | FLATS

# CEO'S MESSAGE



Thank you for taking the time to visit our website. In learning more about our company, I hope that you will grasp how committed we are to our customers, as well as the standards of safety and craftsmanship we uphold.

KesriAlloys is built on honesty, mutual respect, and commitment. As a company, we continually reinvest in our facilities and our employees. We embrace continuous improvement and innovation as a way of life in our operation. It is our commitment to produce the highest quality components and solutions for our customers that makes us an experienced, engaged team with strong management.

At KesriAlloys, we place a high priority on customer satisfaction. As a result of our ability to be flexible, we are able to quickly adapt to the changing needs of our customers.

**| AMIT KUMAR JAIN**

**FOR ENQUIRIES :**

kesri.mail@gmail.com | [www.kesrialloys.com](http://www.kesrialloys.com)



## **LOOKING FORWARD SUSTAINABLE & MUTUALLY REWARDING RELATIONS**

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Kesri Alloys Competes with the best in the world and constantly strives to add value beyond imagination.

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An ISO Certified, manufacturer of Carbon Steel and Alloy Steel Ingots, Round Bars, Square Bars, Flat Bars and Forged Bars for diversified engineering applications.

Kesri Alloys is customer focused, innovative and valued driven company, which manufactures, processes and distributes Steel products to their valuable customers worldwide.

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**KESRI ALLOYS IS WELL EQUIPPED  
WITH ULTRA MODERN STEEL  
MAKING TECHNOLOGIES.**



## **MANUFACTURING FACILITY**

### **Melting and Casting Shop**

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- ✓ Scrap Preheating Furnaces
- ✓ Electric Melting Furnaces – 500 Kgs to 18000 Kgs
- ✓ Digital immersion pyrometers
- ✓ Carbon Silicon Analyzer
- ✓ Ingot Casting
- ✓ Bottom Pouring Ladles – 100 Kgs to 18000 Kgs

### **Heat Treatment Facility**

We have Gas fired PLC controlled heat treatment furnace which ensures uniformity in temperature. With better control comes higher consistency and thereby excellent mechanical properties. Our specially designed heat treatment furnace can treat bars up to 7 meters.

### **Heat Treatments available:**

- ✓ Annealing
- ✓ Tempering
- ✓ Hardening
- ✓ Stress relieving / Normalizing

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# THE ULTRA MODERN CALIBRATED TESTING FACILITIES IN KESRI ALLOYS,

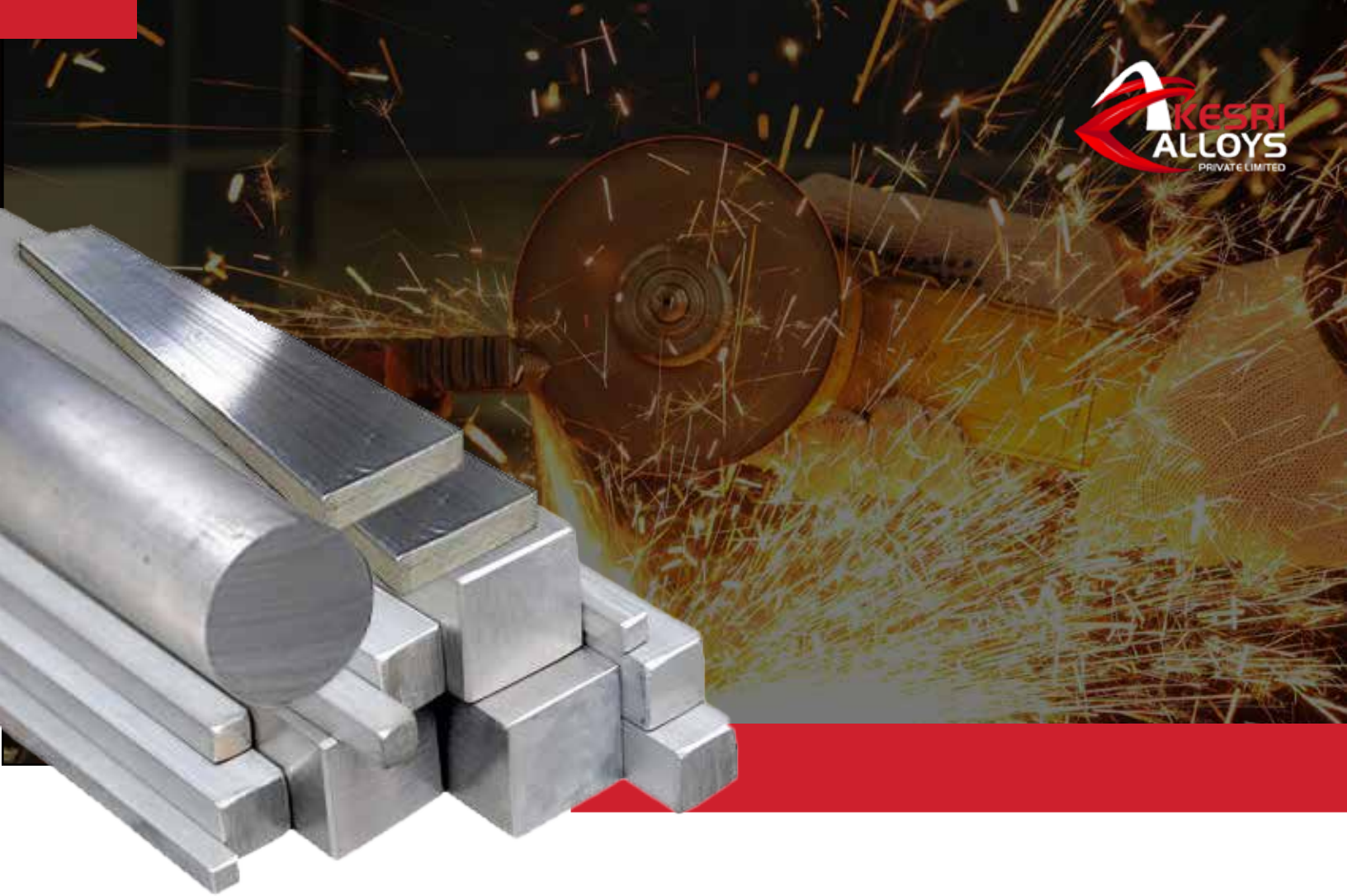
## MANUFACTURING FACILITY

### Testing Facilities

- ✓ Optical Emission Spectrometer
- ✓ Mobile Handheld Spectrometer
- ✓ Fully Equipped Wet Analysis Laboratory
- ✓ Computerized Universal Testing Machine
- ✓ Jominy Hardenability Testing
- ✓ Magnetic Particle Inspection
- ✓ Sample Cutting & Polishing machine
- ✓ Radio Activity Testing
- ✓ All Dimensional Instruments & gauges are available
- ✓ Surface Testing
- ✓ Bar Straightness Testing
- ✓ Metallurgical Microscope
- ✓ Brinell Hardness Testing
- ✓ Rockwell Hardness Testing
- ✓ Poldi Hardness Tester
- ✓ Impact Testing
- ✓ Ultrasonic Testing
- ✓ Dye Penetrant Testing

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## **INGOTS**

Kesri Alloys is manufacturing Ingots since long, when it began producing steel, and has virtually gained expertise over the period of time.

Kesri Alloys offers Carbon Steel and Alloy Steel Ingots for Forging, Ring Rolling, Up-setting and Rolling applications.

Kesri Steels offers variety of ingots in Square, Octagonal (Fluted) and Round shapes, Weighing from 60 kgs upto 12000 Kgs in different sizes. For details, please visit our website.

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## GRADES

Kesri Alloys manufactures more than 100 grades in Carbon Steel & Alloy Steel and popular grades are readily available.

### Carbon Steel Grades

- ✓ En8A, En8B, En8C, En8D, En9, C-45, C-50, SA 105
- ✓ CL I, CL II, CL III, CL IV, CL V, CL VI
- ✓ AISI 1008, 1010, 1015, 1018, 1020, 1025, 1030, 1040

### Carbon Steel Grades

- |                                  |  |
|----------------------------------|--|
| ✓ En15A, En15B, LF2, En201       | ✓ AISI 8620, 4130, 4140, 4150                    |
| ✓ 16MnCr5, 20 MnCr5, En18, En31, | ✓ F-11, F-12, F-22                               |
| ✓ AISI 52100                     | ✓ En19, En24, En25, En36C, En47,<br>En353, En354 |

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## **ROLLED BARS**

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Kesri Alloys maintains optimum reduction ratios while hot rolling by selecting the most appropriate Ingot size resulting in complete breakage of “as cast structure” and thereby promoting better internal soundness in the rolled bars. These Rolled Bars are available in Alloy Steel & Carbon Steel.

### **Round Bars Sizes**

25mm to 180mm

### **Square Bars Sizes**

25mm to 125mm

### **Flat Bars Sizes**

**Width :** 25 mm to 250mm

**Thickness :** 8mm to 40mm

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## **FORGED BARS**

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Kesri Alloys manufactures Forged Bars for the various Industries worldwide.

### **Forged Bars Sizes**

150mm to 500mm

### **Supply Conditions**

- ✓ All products are suitable for Ring Rolling, Forging, Rerolling and Up-setting
- ✓ Round Bars are also supplied in Straightened Condition (up to 1.5 mm per mtr.)
- ✓ Forged bars are available in all shapes (round, square, etc)
- ✓ Forged bars are available in forged or proof machined condition
- ✓ Ultrasonically tested in accordance with ASTM standard
- ✓ Heat Treated - Annealed / Normalized

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## INDUSTRIES SERVED

- ✓ Steel Plants
- ✓ Power Sector
- ✓ Valve Industry
- ✓ Sugar Industry
- ✓ Oil Field Industry
- ✓ Cement Industry
- ✓ Fertilizer Industry
- ✓ Crushing Industry
- ✓ Shipping Industry
- ✓ Chemical Industry
- ✓ Automobile Industry
- ✓ Earth Moving Industry
- ✓ Mining & Mineral Industry
- ✓ Heavy Engineering Industry

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## MANUFACTURER OF:

INGOTS | ROLLED BARS | SQUARE BARS | FORGED BARS | FLATS