



Jailaxmi Casting & Alloys Pvt. Ltd.

Integrated Special Steel Mill
Alloy | Engineering | Stainless | Tool & Die Steels

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Special Steel by Specialists

The passionate journey of steel making started in the year 2004 with very strong values that is reflected in our people and the quality of our products. With fully equipped & modern facilities for steel making, **Jailaxmi Casting & Alloys Pvt. Ltd.** offers a comprehensive range of Steel grades in Alloy, Engineering, Stainless, Tool & Die Steel duly heat treated in form of hot rolled bars, Cold Finished bars, hot rolled billets / RCS, Con-cast billets for automotive, engineering and allied industries.

The product applications are into almost all the conventional to sophisticated industries. Our products are used in a wide variety of applications and industrial sectors.

Our foundation is built on integrity, service was the key to develop strong and long term relationships in the business. These strong fundamentals along with dynamic management and employees are the core strength of our organization. Our values act as the inner strength of our steel which attributes to increase the effectiveness of our products.

Process Flow



Plant Facilities



Steel Melting & Refining

- ▼ Electric Melting Furnace of 25 Mt
- ▼ L.D. Converter of 35 Mt
- ▼ Ladle Refining Furnace of 25 Mt
- ▼ Vacuum Degassing
- ▼ On Line Chemical Analysis Display



Continuous Casting

- ▼ 6/11 Mtr. Twin Radius Caster – 2 Strand
- ▼ Mould Electromagnetic Stirrer (Rotelec S.A.)
- ▼ SCADA with PLC Controls



Rolling Mill

- ▼ Producer Gas/Oil Fired Reheating Furnace
- ▼ 3 Hi-semi Automatic Rolling Mill – 27" Stand
- ▼ 3 Hi-semi Automatic Rolling Mill – 17" Six Stands
- ▼ Electronic Temperature Controller & Recorder
- ▼ Well Equipped Machine Shop



Bright Bar

- ▼ Peeling Machine for sizes 3/4" to 4"
- ▼ Centerless Ground Machine for sizes 3/4" to 3 1/2"
- ▼ Cold drawn Bars from 7/8" to 2 1/2"

Quality Assurance

- ▼ Spectrometer of Spectro Lab
- ▼ Mobile Spectrometer of Spectro Lab
- ▼ ONH (Oxygen, Nitrogen & Hydrogen) Analyzer LECO Make
- ▼ Strohline Carbon Sulphur Analyser
- ▼ Weight Analyser for Raw Material
- ▼ Annealing & Normalizing Furnace of 35T
- ▼ Microscopic Examination
- ▼ Ultrasonic Flaw Detector
- ▼ Jominy End Quench test Apparatus
- ▼ Hardness Testing Machine
- ▼ Universal Testing Machine
- ▼ Impact Testing Machine
- ▼ Muffle Furnace
- ▼ MPI Testing



Heat Treatment

Highly accurate annealing furnace with PLC controls



An ambitious strategy,
accurate processes and absolute
commitment to quality is our determination

Grades - We regularly produce

CARBON STEEL

C-15, C-20, C-30, C-40, EN8D, EN9, EN32B, EN43B, S48C, C22.8, SAE1018, SAE1020, SAE1045

Mn STEEL

EN14, EN15, SAE1541, A105, St52.3, S355J2

Cr - Mn STEEL

16MnCr5, 20MnCr5, 34Cr4, 40Cr4B, 41Cr4, SUP-9, SAE52100, EN31, SAE5160

Cr - Mo - Ni STEEL

EN353, SAE8620, EN36C, 20Cr Ni 4, 826M40, SAE4340, En24/817M40, 655M13

Mo STEEL

SAE4140, EN19, 709M40, F-11, F-22, 42CrMo4, 708M40, En16/605M36

SULPHUR STEEL

EN1A, EN8M, EN8DM, SAE1140, SAE1141

BORON STEEL

15B41, 40B37, 15B35, 15B35

STAINLESS STEEL

AISI 410/1.4006, AISI 416/1.4005, AISI 420/1.4021, AISI 430/1.4016

SPRING STEEL

SUP9, SUP11A, EN45A, 60Si7

TOOL & DIE STEEL

AISI D2/1.2379, H13/1.2344, H11/1.2343, L6/1.2714
other grades also produced as per customer specs

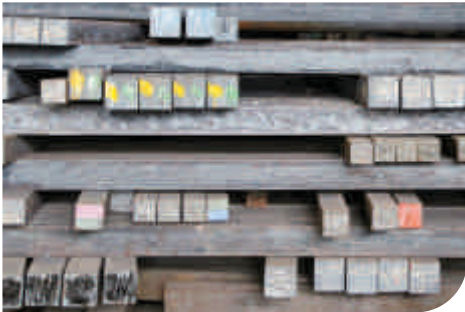
AS PER BILLET SECTION

115 mm x 115 mm 130 mm x 130 mm
160 mm x 160 mm 200 mm x 200 mm
240 mm x 200 mm

ROLLING SECTIONS

Round Bars in 25 mm to 125 mm Dia
Round Corner Squares in 55 mm to 115 mm RCS

We are truly Global



Special Steels manufactured at
Jailaxmi Casting & Alloys Pvt. Ltd.
are used Worldwide