حديد الإنماء

ALINMA STEEL

صنع في السعودية

MADE IN KSA

BONDING OF STEEL

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Hot Rolled Steel Sections

Alinma Steel has the widest selection of hot rolled products, including angles, beams, channels, flats, rounds and squares.

OVERVIEW

2013
Since

Alinma Steel was established in Riyadh in 2013 as a small Steel Rolling Mill and started production of Angle, Flat, Round and Square Steel Bars in various sizes with production capacity of 10,000 tons per annum. We have set up a new section rolling mill at Al Kharj Industrial City with production capacity of 50,000 tons per annum.

50K+
Metric Tons

We are serving demanding sectors such as Oil and Gas, Construction, Agriculture, Transport, On and Offshore Power Generation, Yellow goods, Mining, Machinery, Highways and Materials handling. We produce variety of Steel Bars in various shapes and sizes and specific to order sizes to be used in general fabrication, steel based construction, irrigation projects, heavy vehicle production and repairs.

100+
Employees

Our employees include seasoned engineers and technical staff who are employed based on their extensive experience and interest in the field. We currently are providing major Traders, Factories, Contractors, Metal Fabricators and workshops superior products matching the highest standards of production.

HO
Riyadh

Moreover, our sales team is currently covering most of the areas through out the Kingdom of Saudi Arabia and the GCC region through its highly experienced logistical partners and is expanding the sales network continuously and focusing on excellent customer service.

'Quality is not an act, it is a habit.'

At Alinma Steel our products are extensively tested to observe the highest quality standards and produce exemplary Steel Bars.

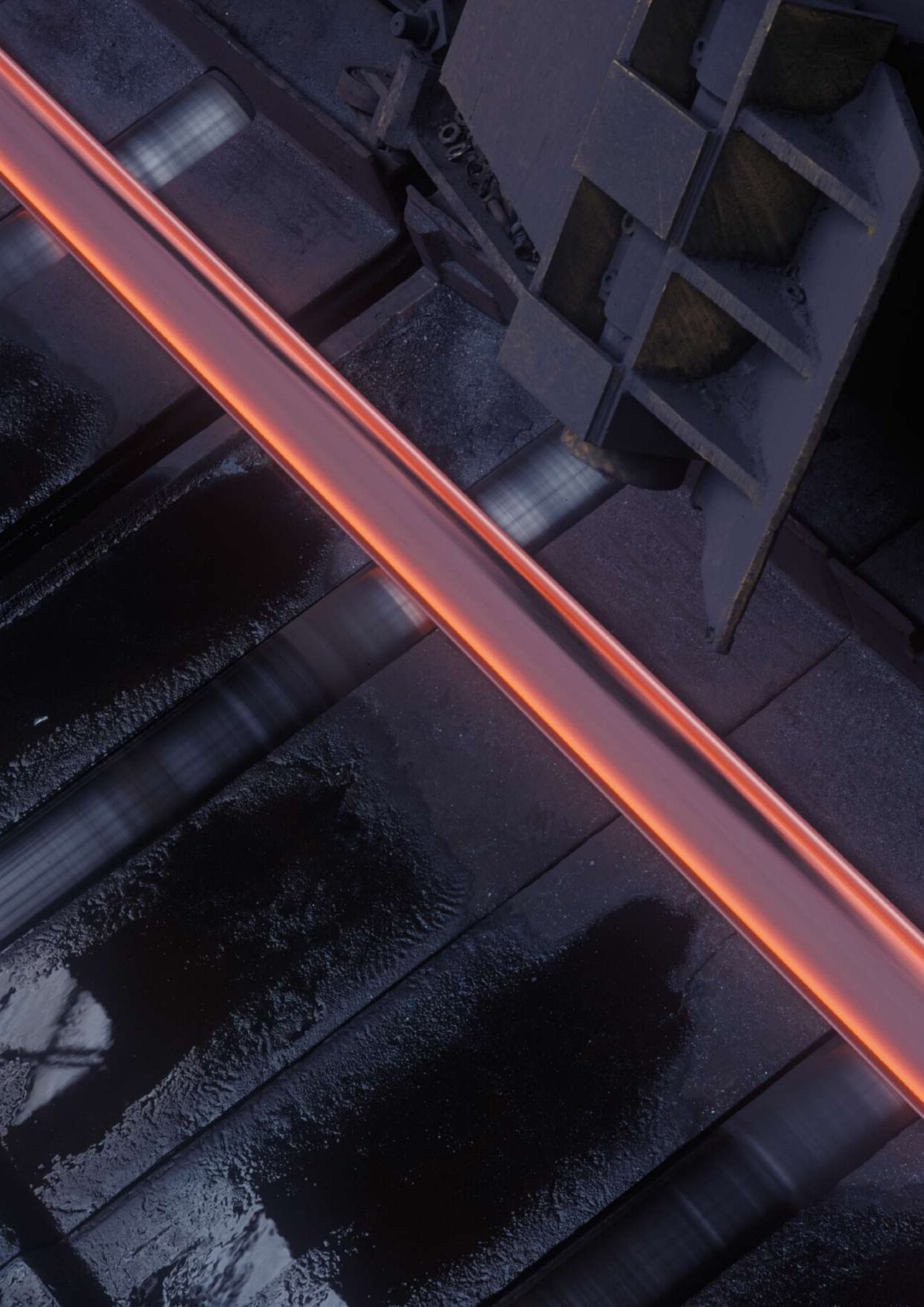
Steel is used in thousands of different ways to make products that touch everyone's lives. You might not see it, but you will certainly use it. From bridges, to railways tracks, to the coins in our pockets, steel is all around us. Primary steel products including slabs, blooms and billets are transformed into a wide range of finished steel products through hot and cold-rolling processes, for use in industries including automotive, construction, household appliances and packaging. Slabs are rolled into flat products; blooms are shaped into girders, beams and other structural shapes; and billets are formed into bars and rods.

Steel is a highly technical material that is constantly being reinvented. As society's needs change, so steel evolves to meet new requirements. Today's lightweight steels for the automotive industry, which help cut carbon emissions, are just one example. Modern steel is also more durable, thanks to successful research into corrosion resistance. Metallic and organic coatings have been developed to enhance steel's aesthetic appeal, offering finishes that are popular with architects and the construction industry.

Steel is an infinitely recyclable product – and as a result is one of the most recycled products in the world. It is North America's most recycled material, before paper, aluminum, glass and plastic. And every second, 15 tonnes of steel are recycled in the world.

Thanks to the ease and economy with which used steel can be stored, melted and re-used, the steel industry has been recycling for more than 150 years. It is cheaper to recycle steel than to mine iron ore and produce primary steel. During the recycling process, steel does not lose any of the properties it had when first created – and recycling also saves on energy as it is less energy-intensive to re-use.The most commonly recycled items are containers, cans, cars, appliances and construction materials.

... every second, 15 tonnes of steel are recycled in the world ...



MANUFACTURING PROCESS

Step	Process	Description
1	Loading	Billets are loaded into the furnace.
2	Furnace	Billets are required to reach a minimum temperature of 1100 Degrees Celsius. After which, the hot billets are pushed out of the furnace.
3	Rolling	The hot billet passes through mill stands to form bars of desired shape & size.
4	Cooling	The bars are air-cooled on the cooling bed.
5	Finishing	The cooled bars are cut into commercial lengths from 6 meters up to 12 meters.
6	Straightening	The bars run through the machine in a rotating manner and are bent tens of times to achieve the desired straightness ensuring top quality of our steel products.
7	Packaging	The commercial bars are counted precisely to form uniform bundles. The bundles are machine strapped to secure tight wrapping. The wrapped bundles are weighed & tagged.

BEAMS

SIZE - MM (METRIC UNITS)	KG/MTR
IPEAA 80 - 80 x 46	4.95
IPEAA 100 - 100 x 55	6.72
IPEAA 120 - 120 x 64	8.36
IPEAA 140 - 140 x 73	10.03

All steel bars are produced according to ASTM A36 standards

CHANNELS

SIZE - MM (METRIC UNITS)	KG/MTR
100 x 50 x 6.0 x 8.5 (UPN)	10.60
100 x 50 x 5.0 x 7.5	9.36
100 x 50 x 3.8 x 5.2	7.30
80 x 40 x 4.7 x 7.4 (UPE)	7.10
75 x 40 x 2.0 x 3.85	5.36
75 x 40 x 5.0 x 7.0	6.92

All steel bars are produced according to ASTM A36 standards

ANGLES

SIZE - MM (METRIC UNITS)	KG/MTR
40 x 40 x (4.5 to 6.0)	2.70 to 3.52
50 x 50 x (4.5 to 8.0)	3.41 to 5.82
60 x 60 x (5.0 to 8.0)	4.57 to 7.09
70 x 70 x (5.0 to 8.0)	5.37 to 8.36
80 x 80 x (8.0 to 10.0)	9.63 to 11.90
100 x 100 x (8.0 to 10.0)	12.2 to 15.00

All steel bars are produced according to ASTM A36 standards

FLATS

SIZE - MM (METRIC UNITS)	KG/MTR
50 x 4.5 to 50 x 25.0	1.77 to 9.81
60 x 5.0 to 60 x 25.0	2.36 to 11.78
80 x 5.0 to 80 x 25.0	3.14 to 15.70
100 x 5.0 to 100 x 25.0	3.93 to 19.63

All steel bars are produced according to ASTM A36 standards

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