صلب ستل

SOLB STEEL

Billet

Rebar

Wire Rod

Who we **Are**

At Solb Steel we don't just create steel for construction,
But we forge strength &

Reinforce The Future.

Established in 2008 with a capital of 540 million Riyals, SOLB STEEL—formerly known as South Steel—proudly holds the distinction of being the first industrial venture to launch from the promising Jazan Economic City in the southern region of the Kingdom of Saudi Arabia. As a pioneering force in the nation's industrial transformation, SOLB STEEL began production in the second half of 2012, marking the beginning of a bold new era in regional steel manufacturing.

The company's significance was recognized at the highest level when HRH King Abdullah Bin Abdulaziz Al Saud personally visited SOLB STEEL's project pavilion during the historic inauguration of Jazan Economic City—a moment that continues to inspire the company's relentless drive forward.

With an annual production capacity of 1.2 million metric tons, SOLB STEEL stands as a powerhouse in the steel industry, reinforcing vital sectors such as construction, infrastructure, and manufacturing across the Kingdom and beyond.

Guided by a visionary commitment to excellence and aligned with Saudi Arabia's Vision 2030, SOLB STEEL is more than a manufacturer—it is a strategic contributor to national growth. Our mission is clear: to become the region's leading metal company, known for quality, innovation, and unwavering strength.

Our Vision

At SOLB STEEL, our vision is to deliver exceptional value through high-quality steel products that exceed customer expectations and power the region's progress. We are driven by a commitment to customer satisfaction, product excellence, and continuous innovation. As a responsible industry leader, we integrate sustainable practices to protect our environment and proudly contribute to Saudi Arabia's Vision 2030.

Our Mission

We are dedicated to creating meaningful social impact through local job creation, skills development, and training programs that empower the workforce in the region. By fostering industrial excellence and community advancement, we aim to be a catalyst for opportunity, innovation, and long-term prosperity.

Our Values

We Protect the environment.

We are sustainable.

We preserve & reuse resources.

We protect our employees & customers.

We care about health.

We insure safety & reinforce safe behaviors.

We reinforce the future.

We are responsive, adaptive and transparent

We seek constant development & advancement.

We reinforce communities & ambitions.

We contribute to societies.

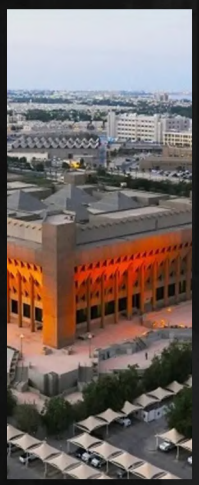
We add value to life.

OUR PROJECTS

PARTNERS

PROUD SUCCESS PARTNERS WITH

Holy Mosque Expantion in Madinah
• Riyadh Metro.
• King Abdulaziz Airport, Jeddah.
• King Abdullah Rd. west section development project, Riyadh.
• West Highway Rd. bridge project, Riyadh.
King Abdulaziz Rd. with King Abdullah Rd. bridge project, Riyadh.
• King Faisal Specialist Hospital, Jeddah.
• Development projects for the Ministry of Interior, Southern Region.
• Terminal 5 project at King Khaled International Airport, Riyadh.
King Abdullah Developmental project for the Ministry of Interior security buildings.
• Royal Commission for Jubail & Yanbu Headquarters, Yanbu Industrial City.
• Ministry of Education Building, Alnamas
• Ministry of Education Building, Tanomah.
• ARAMCO Refinery, Jazan Economic City.
School buildings in Allaith, Bishah.
• Sabya Technical College, Jazan.
• Kudai Towers project, Makkah.
• Samtah Technical College, Jazan.
• Faculty Housing for Jazan University.



SOME OF OUR MANY PARTNER PROJECTS

First Factor
in Jazan Idu

National & Expanding Reach

y to launch
ustrial City

Our Sustainability Roadmap to 2030

"Building The Future"

Environmental

Social

Governance

Leader in Recycling
And Reusing in The Saudi Industry Sector

Nurturing
Human Capital

Zero-Harm
Culture & Performance

Empowering
Local Communities

Championing
Sustainability Stewardship

Sustainable Steel
Supplier of Choice

Pursuing Innovation
In Low-Carbon Steel Making

Transition tp Green Steel
By adopting Disruptive Technologies

Pioneering Energy Efficiency
Through optimization & technology inter-vention

Championing Zero Liquid Discharge
Through Reduce, Reuse & Recycle

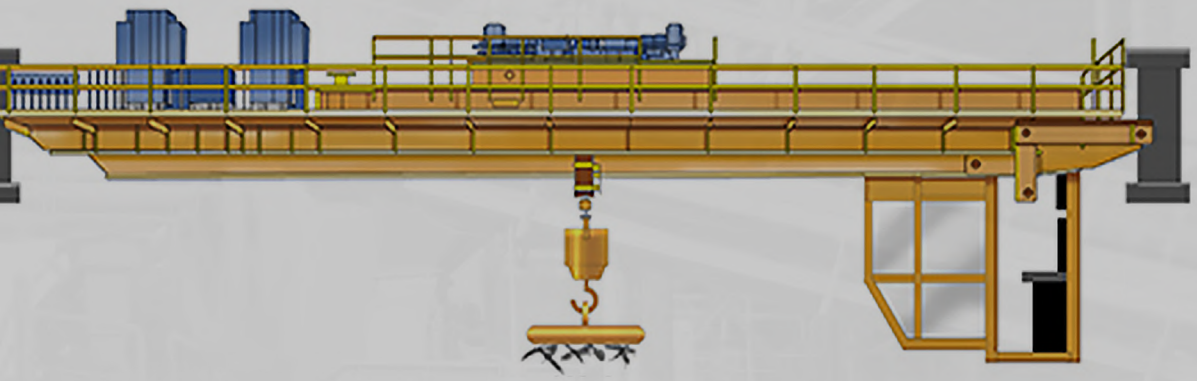
Environmrntal Sustainability

At SOLB STEEL, sustainability is not just an obligation—it is a core principle shaping our operations and long-term vision. As a major contributor to the steel industry, we are committed to sustainable practices that align with global standards and Saudi Arabia's Vision 2030. Our efforts are guided by a comprehensive ESG framework focused on responsible growth, environmental stewardship, and meaningful social impact.

A cornerstone of our environmental commitment is the recycling of scrap metals, which helps reduce our carbon footprint and conserve natural resources. We deploy advanced recycling technologies and uphold strict safety protocols to ensure an efficient, secure, and environmentally responsible steel production process.

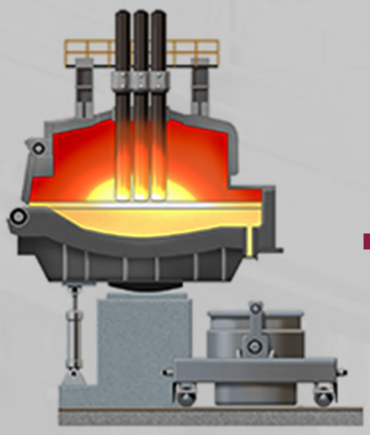
We also focus on creating local employment, advancing workforce skills, and supporting community growth, especially within local communities. Through these efforts, SOLB STEEL strengthens both industry and society, contributing to a more sustainable and resilient future.

The Production



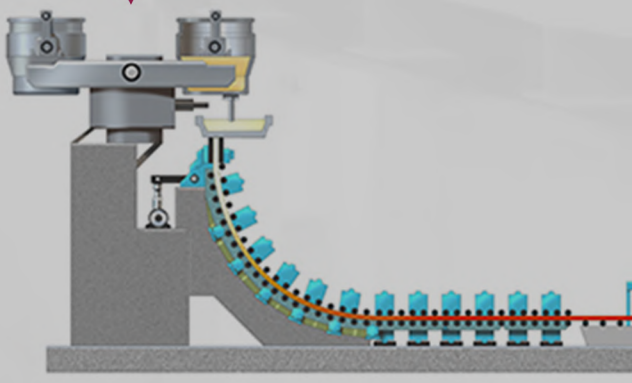
Scrap

+ DRI/HBI



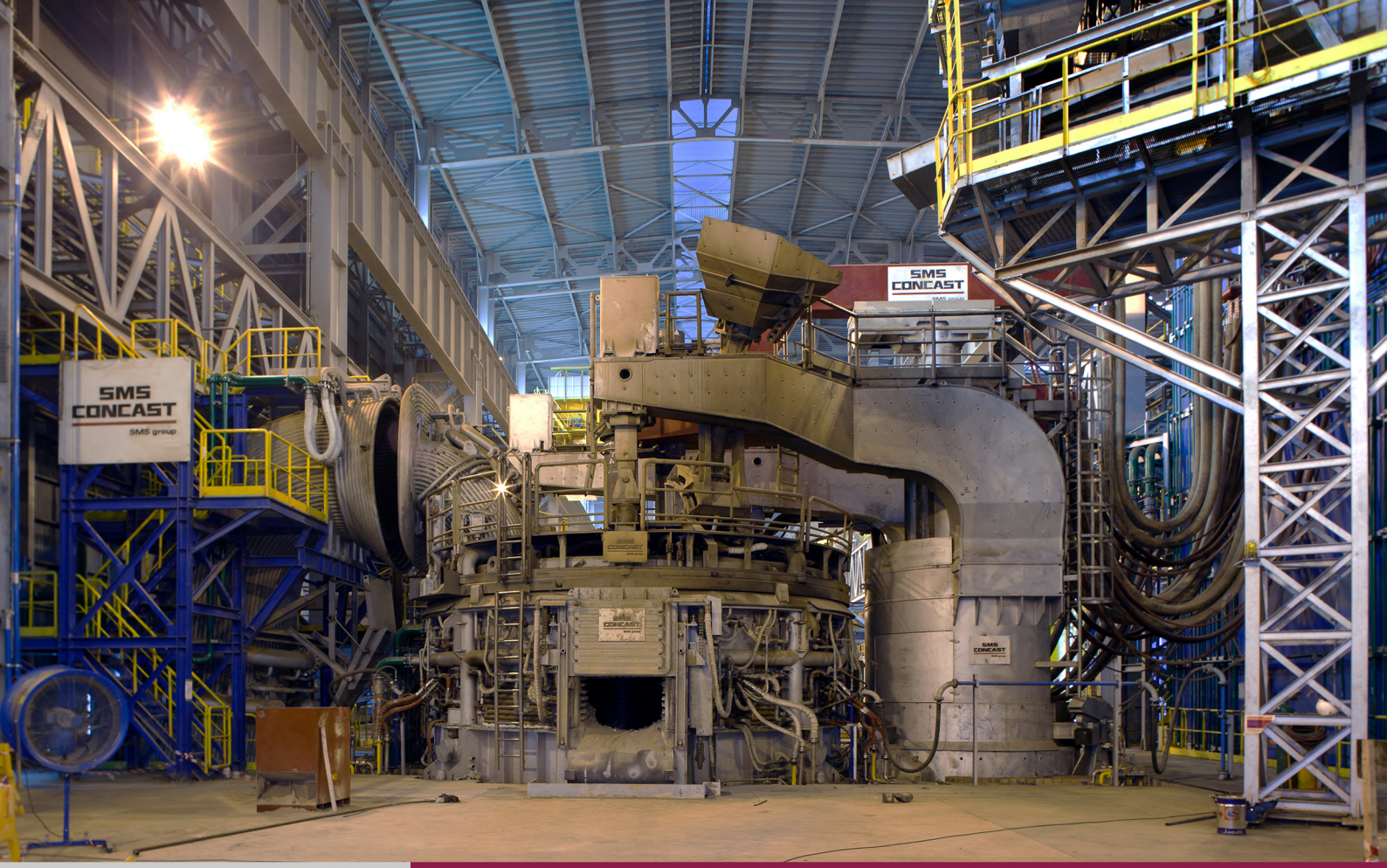
Electric ARC Furnace (EAF)

Ladel Furnace (LF)

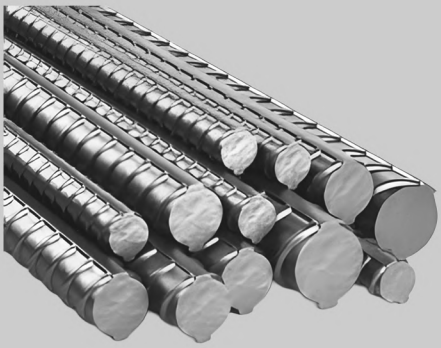


Continuous Casting Machin

High-Tech Melting and Casting Equipment



Products



Steel Rebar

Wire Rod

Rebar Coil

(CCM)

Billet

Billet

Steel billets are semi-finished products used in the production of rebar, wire rods, and other steel components. Manufactured to meet international standards, they offer consistent mechanical and chemical properties, ensuring high performance and reliability across various applications.

Billet Size	Leng
150 x 150 mm	12 m or

Steel Grades			
Code	Standard	Grade	
SS01	BS4449/2005	B500B	N M A
SS02	ASTM A615M (Weldable)	Gr60	N M A
SS03	ASTM A615M	Gr80	N M A
SS04	ASTM A615M (Rebar Coil)	Gr60	N M A
SS05	ASTM A615M (Rebar Coil)	Gr80	N M A
SS06	ASTM A706M	Gr60	N M A
SS07	ASTM A706M	Gr80	N M A
SS08	ASTM A706M (Rebar Coil)	Gr60	N M A
SS09	ASTM A706M (Rebar Coil)	Gr80	N M A
SS10	AISI 1008	B500B	N M A
SS11	AISI 1006	B500C	N M A

th	Rhomboidity	Twist	Straightness	Bent
14 m	Max 4%	1 deg./m Max 4 deg. all length	15 mm/m Max 25 mm for all length	10 cm for 12 m

	Chemical Composition													
	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	Sn	T-Elem.	C.E.	N2 ppm
Min	0.18	0.15	0.75	-	-	-	-	-	-	-	-	-	0.36	-
Max	0.22	0.25	0.85	0.035	0.040	0.20	0.20	0.03	0.30	0.01	0.02	0.50	0.50	100
Aim	0.20	0.20	0.80	-	-	-	-	-	-	-	-	-	0.38	-
Min	0.18	0.15	0.75	-	-	-	-	-	-	-	-	-	0.36	-
Max	0.22	0.25	0.85	0.035	0.040	0.20	0.20	0.03	0.30	0.01	0.02	0.50	0.50	100
Aim	0.20	0.20	0.80	-	-	-	-	-	-	-	-	-	0.38	-
Min	0.32	0.15	0.75	-	-	-	-	-	-	-	-	-	0.46	-
Max	0.36	0.25	0.85	0.03	0.35	0.20	0.20	0.03	0.30	0.10	0.02	0.30	0.55	100
Aim														
Min	0.36	0.35	0.15	-	-	-	-	-	-	-	-	-	0.45	-
Max	0.40	0.40	1.50	0.03	0.04	0.20	0.20	0.03	0.30	0.01	0.02	0.30	0.66	100
Aim	0.37	0.37	0.15	-	-	-	-	-	-	-	-	-	0.63	-
Min	0.36	0.30	1.38	-	-	-	-	-	-	0.15	-	-	0.60	100
Max	0.40	0.35	1.50	35.00	0.04	0.30	0.30	0.03	0.30	0.18	0.02	0.30	0.66	120
Aim	0.38	0.37	1.45	-	-	-	-	-	-	0.16	-	-	0.65	110
Min	0.27	0.25	1.25	-	-	-	-	-	-	-	-	-	0.46	-
Max	0.30	0.35	1.35	0.030	0.035	0.20	0.20	0.03	0.30	0.01	0.02	0.30	0.55	100
Aim	0.29	0.30	1.30	-	-	-	-	-	-	-	-	-	0.52	-
Min	0.27	0.35	1.40	-	-	-	-	-	-	0.06	-	-	0.50	90
Max	0.30	0.40	1.50	0.030	0.035	0.20	0.20	0.03	0.30	0.09	0.02	0.30	0.55	110
Aim	0.29	0.37	1.45	-	-	-	-	-	-	0.07	-	-	0.53	100
Min	0.27	0.35	1.40	-	-	-	-	-	-	0.06	-	-	0.50	100
Max	0.30	0.40	1.50	0.030	0.035	0.30	0.30	0.03	0.30	0.09	0.02	0.30	0.55	120
Aim	0.29	0.37	1.45	-	-	-	-	-	-	0.07	-	-	0.53	110
Min	0.27	0.35	1.40	-	-	-	-	-	-	0.15	-	-	0.45	100
Max	0.30	0.40	1.50	0.035	0.040	0.30	0.30	0.03	0.30	0.18	0.02	0.30	0.55	120
Aim	0.29	0.37	1.45	-	-	-	-	-	-	0.16	-	-	0.53	110
Min	0.05	0.10	0.30	-	-	-	-	-	-	-	-	-	-	-
Max	0.10	0.15	0.50	0.035	0.025	0.10	0.10	0.03	0.10	0.00	0.02	0.20	-	100
Aim	0.09	0.12	0.40	0.350	0.040	-	-	-	-	-	-	-	-	-
Min	0.04	0.09	0.25	-	-	-	-	-	-	-	-	-	-	-
Max	0.08	0.14	0.40	0.035	0.025	0.10	0.10	0.03	0.10	0.00	0.02	0.20	-	100
Aim	0.06	0.11	0.38	0.035	0.040	-	-	-	-	-	-	-	-	-

Diameter	Length	
From 8 to 40 mm	12 m	

Standard		Grade	Chemical Co				
			C	Si	Mn	S	
			Max	Max	Max	Max	
American	ASTM A615M	Gr60	-	-	-	0.06	
	ASTM A615M (Rebar Coil)	Gr60	-	-	-	0.06	
	ASTM A615M	Gr80	-	-	-	0.06	
	ASTM A615M (Rebar Coil)	Gr80	-	-	-	0.06	
	ASTM A706M	Gr60	0.33	0.55	1.56	0.053	
	ASTM A706M (Rebar Coil)	Gr60	0.33	0.55	1.56	0.053	
	ASTM A706M	Gr80	0.33	0.55	1.56	0.053	
	ASTM A706M (Rebar Coil)	Gr80	0.33	0.55	1.56	0.053	
British	BS4449/2005	B500B	0.24	-	-	0.055	
	BS4449/2006	B500C	0.24	-	-	0.055	

ReBar

Packing	Product type	Cooling Type
2 Ton	Straight / Coil	Water / Air

mposition				Mechanical Properties					
P	Cu	C.E.	N2 ppm	Y.S (Mpa)		U.T.S (Mpa)	Y.S/T.S	Elongation%	Gauge Length
Max		Max	Max	Min	Max	Min	Min		
-	-	-	-	480	530	600	1.12	7-9	200mm
-	-	-	-	530	600	640	1.12	7-10	200mm
-	-	-	-	580	625	710	1.12	6-7	200mm
-	-	-	-	620	650	710	1.12	6-7	200mm
0.048	-	0.55	140	480	530	600	1.25	10-14	200mm
0.048	-	0.55	140	620	650	710	1.25	10-14	200mm
0.048	-	0.55	140	580	625	710	1.25	10-12	200mm
0.048	-	0.55	140	620	650	710	1.25	10-12	200mm
0.055	0.85	0.52	140	540	590	-	1.08	5	5d or 100mm
0.055	0.85	0.52	140	540	590	-	1.15-1.35	7.5	5d or 100mm

Steel rebar is a vital reinforcement material used to enhance the strength and durability of concrete in construction. Available in a range of diameters and grades, it is engineered to meet international standards for tensile strength and bonding performance.

Rebar is widely used in buildings, bridges, and infrastructure projects, ensuring structural integrity and long-term reliability.

Wire Rod

Wire rod is a versatile steel product used as a raw material in the production of wire, nails, fasteners, springs, and various industrial components. Manufactured in coils and available in different diameters and grades, wire rod is produced to meet international standards for strength, ductility, and surface quality. Its consistent properties and wide applicability make it essential in construction, manufacturing, and automotive industries.

Standard	Chemical Composition (wt%)				
	C	Si	Mn	P	S
		Max.		Max	Max.
AISI 1006	0.04-0.08	0.15	0.25- 0.40	0.035	0.05
AISI1008	0.06-0.1	0.15	0.30-0.50	0.035	0.05
AISI 1010	0.08-0.12	0.15	0.30-0.60	0.035	0.05
AISI 1012	0.10-0.14	0.15	0.30-0.60	0.035	0.05
AISI 1015	0.13-0.17	0.15	0.30-0.60	0.035	0.05
AISI 1018	0.16-0.20	0.15-0.30	0.60-0.90	0.035	0.05

Wire Diameter (mm)	Weight/meter (Kg/m)	Dimension Tolerance		Ovality
		Min	Max	Max D1-D2
5.5	0.187	5.25	5.75	0.4
6	0.222	5.75	6.25	0.4
6.5	0.261	6.25	6.75	0.4
7	0.302	6.75	7.25	0.4
7.5	0.347	7.25	7.75	0.4
8	0.395	7.75	8.25	0.4
9	0.5	8.75	9.25	0.4
10	0.617	9.75	10.25	0.4
11	0.747	10.75	11.25	0.4
12	0.888	11.75	12.25	0.4
13	1.043	12.75	13.25	0.4
14	1.209	13.75	14.25	0.4
15	1.388	14.75	15.25	0.4
16	1.58	15.75	16.25	0.4

Final Product Lab

Inspection of Billets

Liquid metal control

Raw Material

We conduct rigorous testing of all incoming raw materials to ensure they meet required industry standards. Each batch is analyzed for chemical composition and physical properties before use, guaranteeing consistent quality in the production process.

Raw Material - X-RayLab

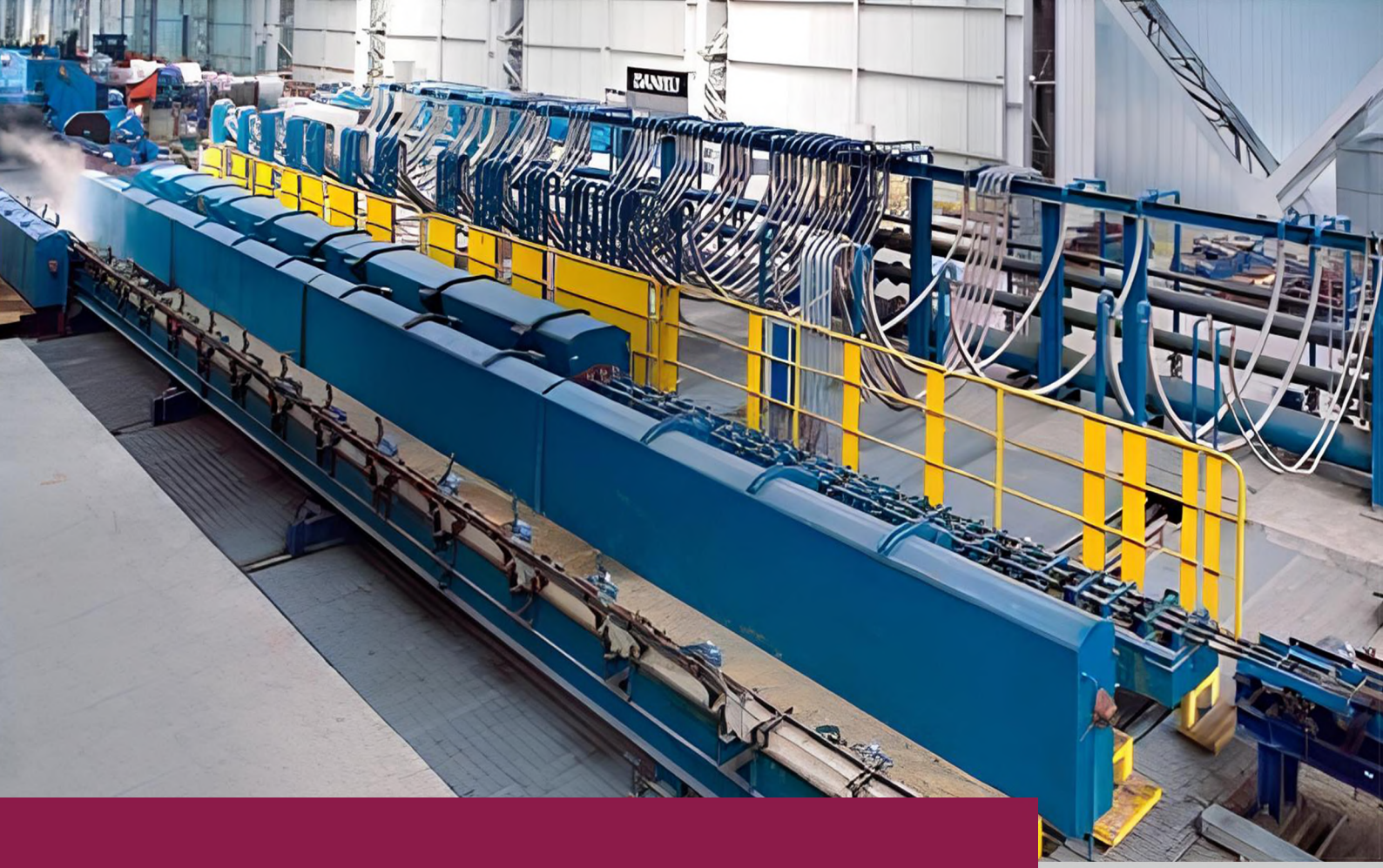
Quality Assurance

Final

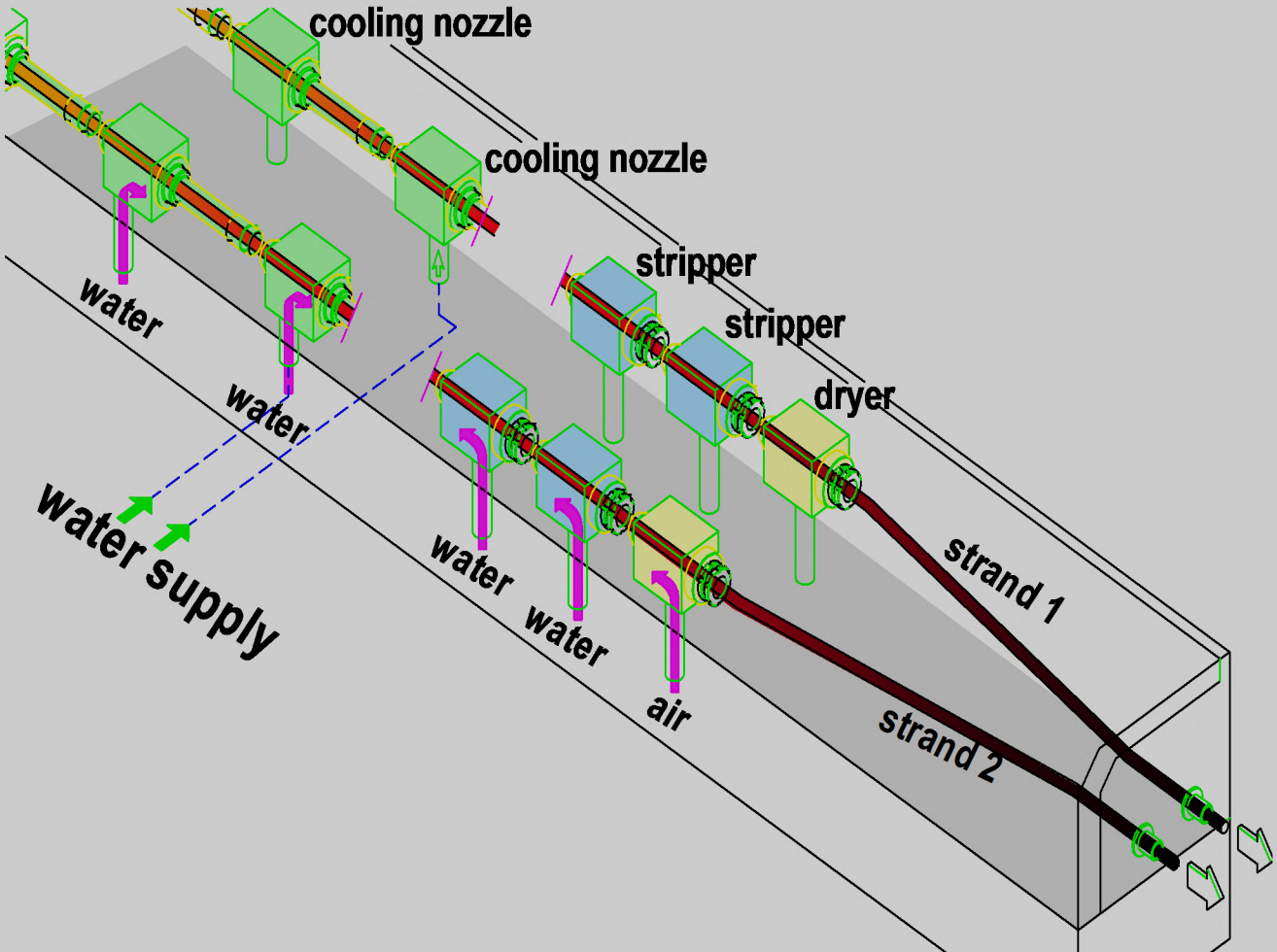
steel products undergo strict testing to verify their chemical composition and physical properties, ensuring they meet industry and customer specifications. This quality control step confirms the strength, durability, and compliance of the steel before delivery.

Finished Material

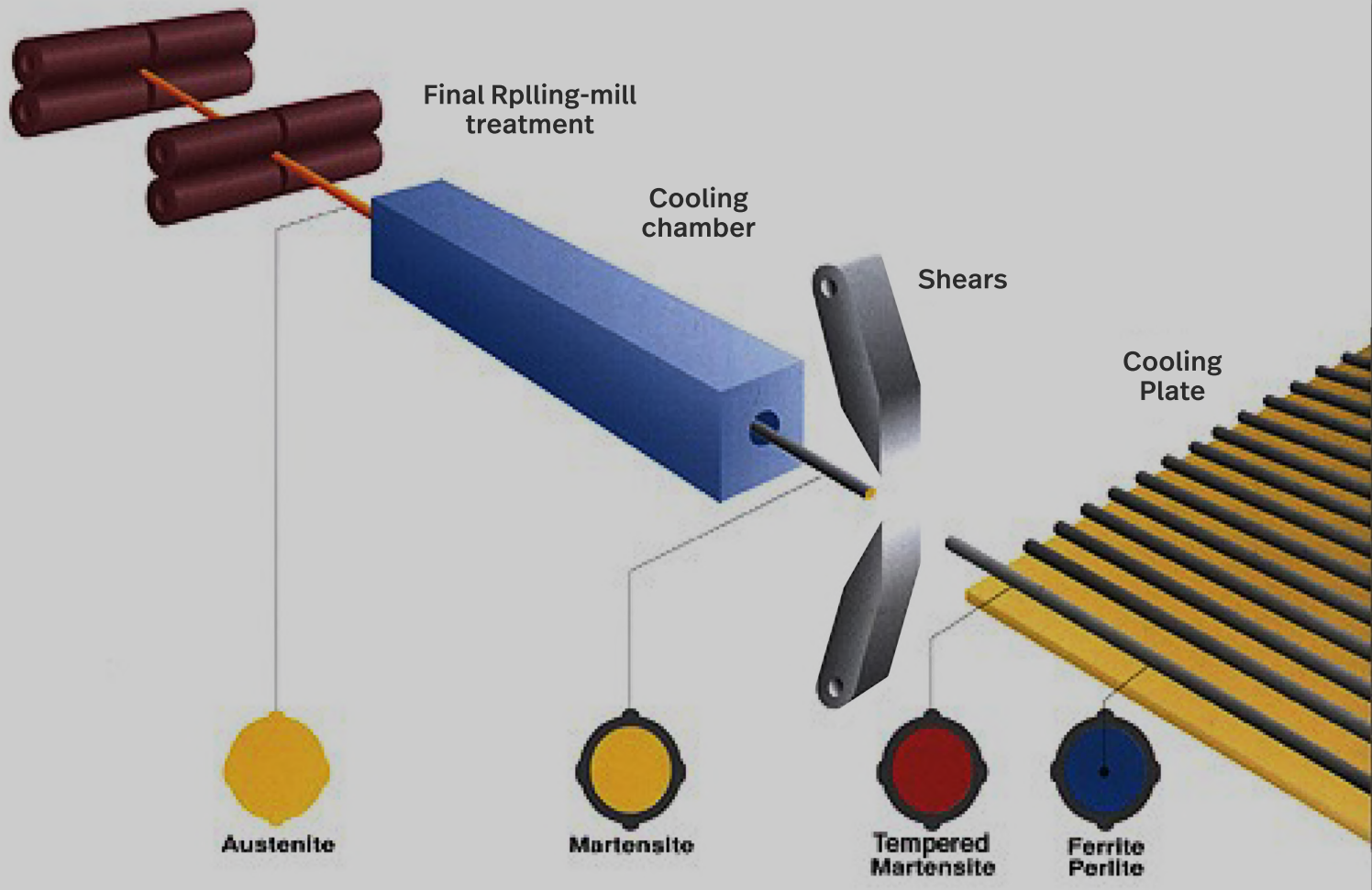
Raw Material - Wet Lab



Quenching

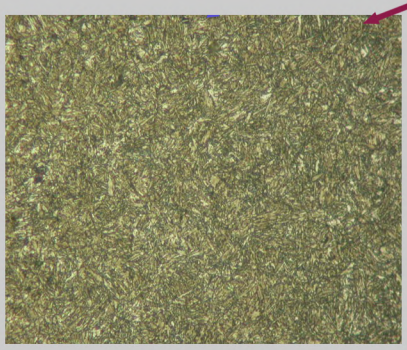

cooling nozzle
cooling nozzle
stripper
stripper
dryer
water
water
water supply
water
water
air
strand 1
strand 2

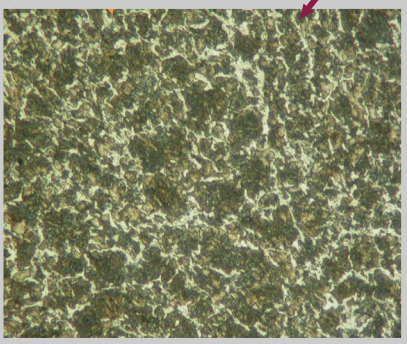
Metallographic of Rebar

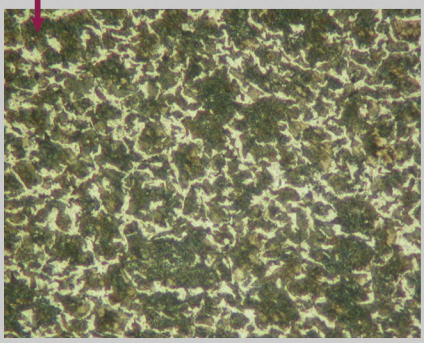


Better ductility, toughness and malleability.

- High fatigue resistance proprties.
- High yield strength.
- Corrosion resistant.
- High weldability.







Traceability

Certificates

علامة الجودة
SASO
QUALITY MARK

SAUDI
MADE

TÜV NORD
TÜV Middle East
ISO 9001

IAS 01 2200222

TÜV NORD
TÜV NORD CERT GmbH
ISO 45001

IAS 03 2200222

CARES
ISO 9001
1666
UKAS
MANAGEMENT SYSTEMS
0002

Validate with the CARES Cloud App

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0002

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PRODUCT CERTIFICATION
0002

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250204
UKAS
PRODUCT CERTIFICATION
0002

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Partners

نيوم NEOM

وزارة النقل
TRANSPORT MINISTRY

الهيئة الملكية للجبيل وينبع
Royal Commission for Jubail & Yanbu

وزارة الشؤون البلدية والقروية والإسكان
Ministry of Municipal Rural Affairs & Housing

وزارة الإسكان
MINISTRY OF HOUSING

أرامكو السعودية
saudi aramco

وزارة الصحة
Ministry of Health

وزارة البيئة والمياه والزراعة
Ministry of Environment Water & Agriculture

Thank You

Special Thanks to Eng. Ayman Mohammad Joghadi for his effort in preparing this catalogue


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