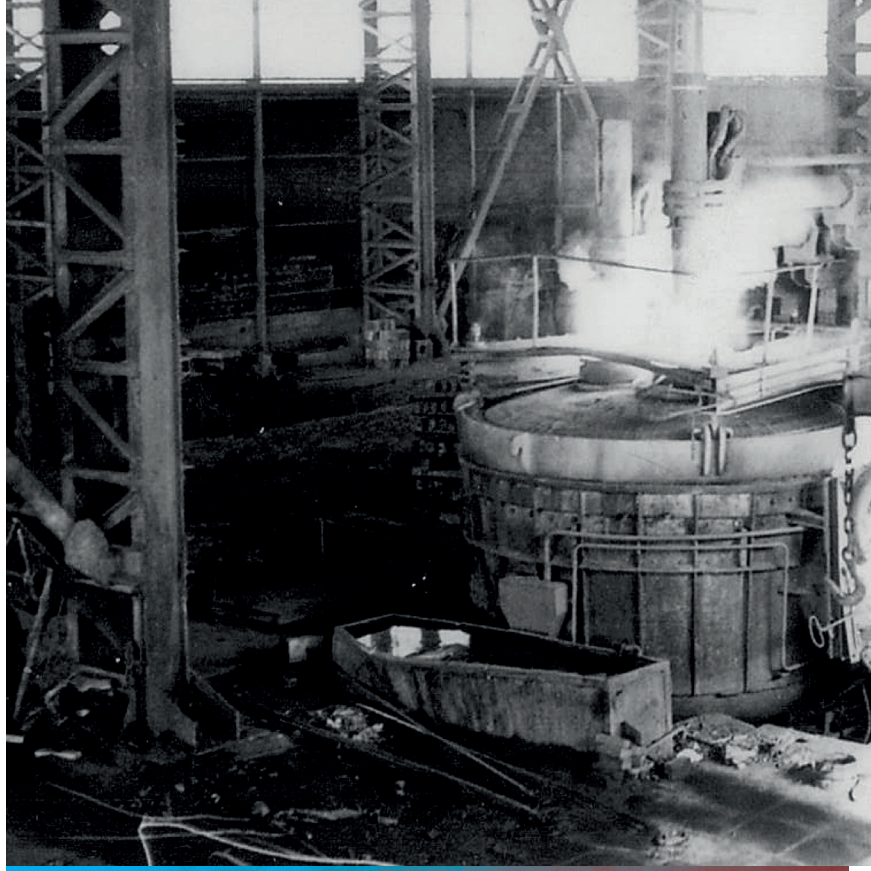




**Çolakoğlu** Metalurji

COMPANY PROFILE





## History

Leading company in the iron and steel industry since 1945. We have been manufacturing steel for three generations.

Çolakoğlu's involvement in the iron and steel business began with the steel trade business that our founder *Mehmet Rüştü Çolakoğlu* started in Karaköy, İstanbul, in 1945. The first Çolakoğlu rolling mill commissioned in Söğüt, İstanbul, in 1960. The first meltshop went into production in Dilovası in 1969 to supply billets to the domestic market. The company now called Çolakoğlu Metalurji strengthened its sectoral leadership when it started wirerod production in 1985. In 1990, Çolakoğlu added reinforcing bars to its production line.

Çolakoğlu Metalurji proved its determination in its efforts to bring state-of-the-art technologies to Turkey by investing in a new meltshop and rolling mill for flat products in 2007. At the time the meltshop was commissioned, it had the world's largest electric arc furnace. Çolakoğlu Metalurji also made the first hot-rolled strip investment of the private sector in Turkey. The company maintains its position as a pioneer in this industry.





## Corporate Values

Respect for social and environmental responsibilities.

Our environment-friendly technologies and recycling practices reflect the latest developments around the world.

The main corporate value of Çolakoğlu Metalurji is to employ state-of-the-art technologies to manufacture products for user-friendly, strong and modern structures that offer a better quality of life and to manufacture its products in compliance with its environmental and corporate responsibilities.

With its focus on establishing long-term relationships with its customers, Çolakoğlu Metalurji has always been one of Turkey's most reliable and highest quality industrial companies. It has always taken steps to improve both itself and the sector.



3'RD BRIDGE, ISTANBUL



CHEK LAP KOK AIRPORT, HONG KONG



VODAFONE ARENA, ISTANBUL

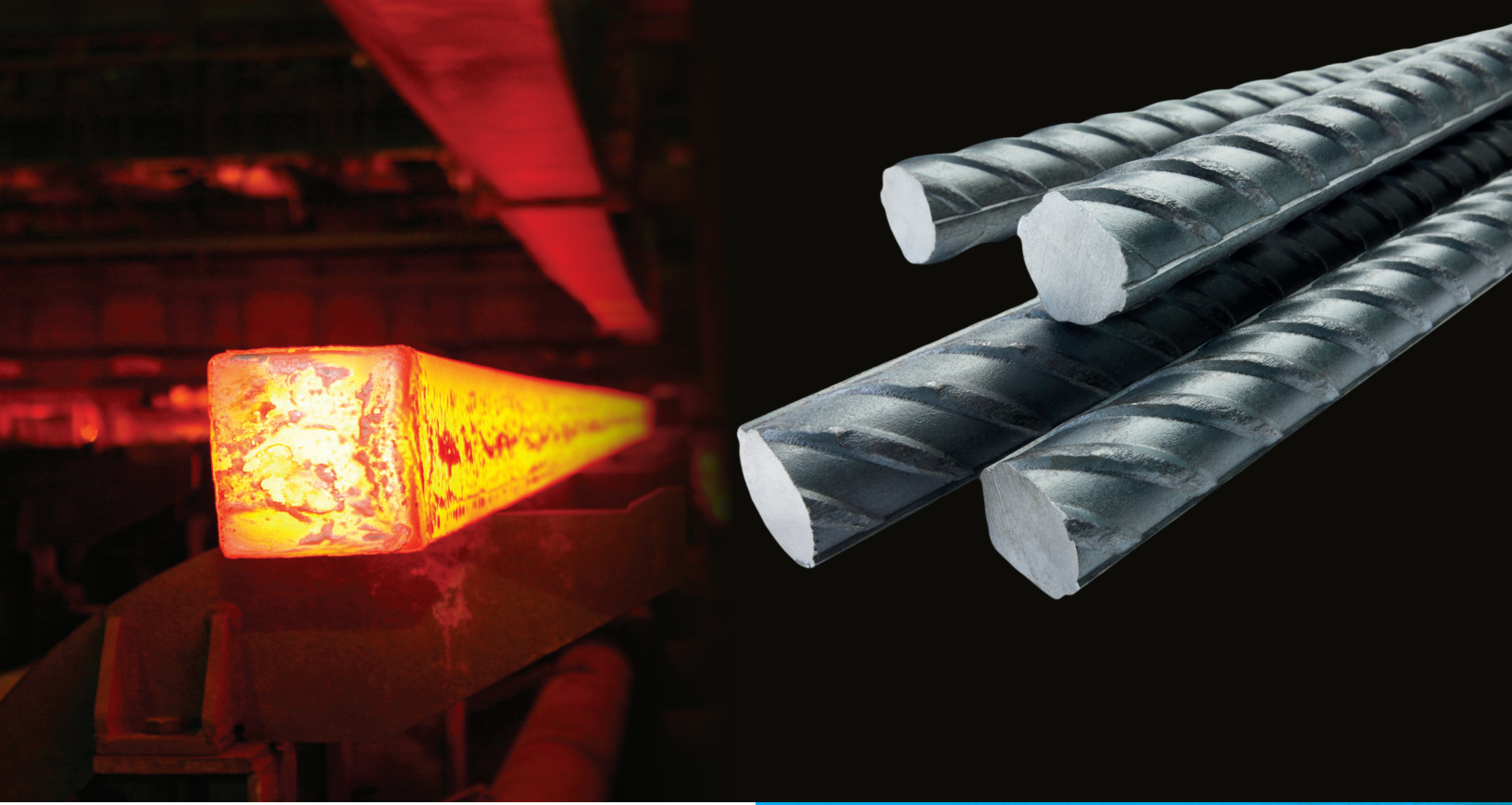


JEBEL ALI PALM ISLAND, BAE



BURJ KHALIFA, DUBAI





## Quality Management & Product Certificates

### Green Production Technologies

Çolakoğlu Metalurji protects the environment and ecological balances at every stage of production to leave a better world to future generations. Many buildings built for a better future and cleaner environment around the world use steel manufactured by Çolakoğlu Metalurji. The company follows closely the developments in production technologies and has made investments in flue gas and waste water filtration systems, as well as in fresh water production. These investments were certified by the Ministry of Environment.

### Support to Education

Turkey's most precious asset is its human resources. The country's development and strength in the international arena depend on effective and extensive investments in education. Çolakoğlu Metalurji has realized philanthropic education projects and made donations to the Ministry of Education and other relevant institutions in order to generate added value for Turkey.

Çolakoğlu Metalurji manufactures a wide range of slabs, billets, and reinforcing bars with different qualities. The company's production units are equipped with state-of-the-art technologies in order to ensure consistency in quality; each stage of production is computer controlled.



Çolakoğlu Vocational High School for Girls



Çolakoğlu Primary School







### Meltshop

Equipped with one of the world's biggest electric arc furnaces, Çolakoğlu Metalurji's meltshop ranks among the world's most advanced crude steel production facilities today. The company's ladle furnaces are equipped with a magnetic stirrer and argon gas injection system that ensures the homogeneity and hence the quality of the finished product. In addition, a twin tank vacuum degasser also improves steel quality through degasification in castings, a process that is especially critical in flat product manufacturing.



### Rebar Rolling Mill

With 20 years experience in rebar and rod production, Çolakoğlu bar mill, supplied by Pomini, has good reputation of its outstanding quality and productivity results around the world. Rebar rolling mill includes 'Thermex' system. With this heat treatment system mechanical properties such as, high yield strength, good bending ability, high ductility and good weldability are enhanced. Mill is also equipped with piece counting system, so that bundles can also be produced on the base of uniform piece counting.

As part of relocation and modernization projects through 2010, reheating furnace length is increased in order to have better billet temperature uniformity, and entire automation control of the mill is renewed to meet precise product tolerances.

### Hot Strip Mill

With an annual capacity of 3,000,000 mt, the Hot Strip Mill rolls 200 to 250 mm thick slabs into coils ranging in thickness from 1,2 to 25,4 mm, and widths of 800 to 1,650 mm wide.

Çolakoğlu Metalurji's commitment to quality is absolute. As a result of its investments in state-of-the-art control systems and integrated process models, the company is able to supply its customers the products that meet the highest standards not only in mechanical and chemical properties but also in physical properties such as thickness, width, profile, flatness, and surface condition due to the company's ability to control production with a very narrow tolerance range.

The Hot Strip Mill is equipped with the latest control systems like, automatic width control (AWC), Automatic gauge control (AGC), CVC® rolls, on line flatness control, on line surface inspection system and fully integrated process models. Mandrelless coil box system enhances the temperature homogeneity of the transfer bar and Work roll shifting and bending systems in each finishing mill stand improves flatness.



Production and Our Products

High-quality products and services  
in every continent in the world.  
The leading construction projects  
around the world use our products.

Melt Shop

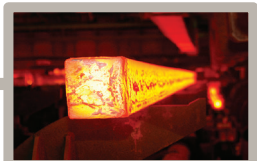


Ladle Furnaces



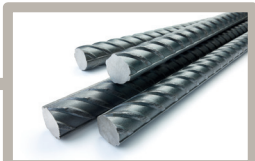
Vacuum Degassing

Semi-Product



Billet

Final Product



Reinforcing Bar



Helical Rod



Slab



HRC & HRCPO



HRS & HRC-S





Semi - Products



Billet

Size : 130 x 130 mm (5.12 x 5.12 inch),  
150 x 150 mm (5.91 x 5.91 inch)  
200 x 200 mm (7.87 x 7.87 inch)  
Length : 6 – 16 m (236.22- 629.92 inch)  
Capacity : 2,500,000 mt  
Standard : TS, UNI, DIN, BS, ASTM,  
JS, NEN, CA N/CSA, IS, GOST, ACHM,  
E, NCh, DM, NF, BDS, ABNT NBR, MS,  
SR, NTC



Hot Rolled Steel Coils (HRC)	
Thickness:	1.10-25.4
Width:	800-1650 mm
Coil Weight:	10-39 ton
Coil Inner Dia.:	762 mm



Slab

Thickness: 200 –250 mm (7.87 - 9.84 inch)  
Width: 800 –1,650 mm (31.50 - 64.96 inch)  
Length: 5.8 –11.8 m (228.35 – 464. 57 inch)  
Capacity : 3,500,000 mt  
Standard : DIN 10025, DIN 1614,  
DIN 10111, DIN 10083, DIN 10028,  
DIN 10120, DIN EN 10217, DIN EN  
10149, DIN 10338, ASTM A36, ASTM  
A53, ASTM A283, ASTM A500, ASTM  
A572, ASTM A1011, ASTM A1018,  
SAE J403, JIS G 3101, JIS G 3131, JIS G  
3132, API 5L ve API 5CT



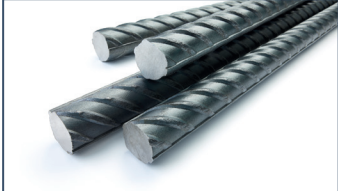
Hot Rolled Sheet (HRS)	
Thickness:	1.20-25.4

Final Products



Hot Rolled Products

Standard : DIN 10025, DIN 1614, DIN  
10111, DIN 10083, DIN 10028, DIN  
10120, DIN EN 10217, DIN EN 10149,  
DIN 10338, ASTM A36, ASTM A53,  
ASTM A283, ASTM A500, ASTM A572,  
ASTM A1011, ASTM A1018, SAE J403,  
JIS G 3101, JIS G 3131, JIS G 3132,  
API 5L ve API 5CT

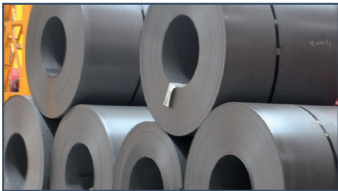


Reinforcing Bar

Diameter: 8 – 40 mm (0.32 - 1.58 inch)  
Length : 6 – 18 m (236.22 - 629.92 inch)  
Capacity :1,000,000 mt  
Standard : TS, UNI, DIN, BS, ASTM,  
JS, NEN, CA N/CSA, IS, NCH 204,  
NTC 2289, NF, LNEC, ISO, MS,  
DM, GOST



Hot Rolled Coil - Slitted (HRC-S)	
Thickness:	1.10-8.00 mm



Hot Rolled Pickled Oiled (HRCPO)	
Thickness:	1.20-5.50 mm

CERTIFICATES				
NAME OF CERTIFICATE	INSPECTION TYPE	CERTIFIED BY	COUNTRY	STANDARD / SPECIFICATIONS
ISO 14001:2015	Environmental Management System	CARES	UK	ISO 14001:2015
CE Marking Certificate	Flat Products	KIWA	TURKEY	EN 10025-1
Factory Approval for Pressure Purposes	Flat Products	BUREAU VERITAS	TURKEY(HPI/VS)	EN 10028-2:2009
Sustainability Hot Rolled Flat Steel Certificate	Flat Products	CARES	UK	CARES Sustainability Scheme Appendix 06
Certificate of Conformity of the Production Control	Flat Products	KIWA	NEDERLANDS	EN 10025. 2004 HRC
Environmental Product Declaration	Flat Products	BRE ve GReenBookLive	UK	EN 15804:2012 +A1:2013
TS ISO/IEC 27001: 2013	Information Security Management Systems	DENETIK	TURKEY	ISO: 27001: 2013
TSE Certificate of Conformity to Turkish Standarts	Long Products	TSE	TURKEY	TS 708
G Certificate	Long Products	TSE	TURKEY	TS 708
Germany Product Certificate	Long Products	KIWA	GERMANY	DIN-488
Nederlands Product Certificate	Long Products	KIWA	NEDERLANDS	NEN-6008
Colombia Product Certificate	Long Products	ICONTEC	COLOMBIA	NTC 2289:2015
Costa Rica Product Certificate	Long Products	INTECO	COSTA RICA	INTE 06-09-01, INTE 06-09-02
France Product Certificate	Long Products	AFCAB	FRANCE	NFA 35-080-1
Romania Product Certificate	Long Products	ICECON	ROMANIA	SR 438-1:2012, ST 009:2011
Bulgaria Product Certificate	Long Products	BULGAR KONTROLA	BULGARIA	BDS 9252:2007
Chile Product Certificate	Long Products	INN	CHILE	NCH 204
Malaysia Product Certificate	Long Products	SIRIM	MALAYSIA	MS 146:2014
Israel Product Certificate	Long Products	SII	ISRAEL	Preliminary Tests Agreement
Austria Product Certificate	Long Products	ACRS	AUSTRIA	AS/NZS4671
Sustainability Constructional Steel Certificate	Long Products	CARES	UK	CARES Sustainability Scheme Appendix 01
BS EN ISO 9001:2015	Long Products	CARES	UK	BS EN ISO 9001:2015 BS 4449:2005
Environmental Product Declaration	Long Products	BRE ve GReenBookLive	UK	EN 15804:2012 +A1:2013
Product Conformity Certificates	Long Products	CARES	UK	ISO 9001
ISO 50001:2011	Management Systems of Energy	VERİCERT	TURKEY	ISO 50001:2011
OHSAS 18001 : 2007	Occupational Health and Safety Management System	CARES	UK	OHSAS 18001:2007
Environmental Permit and License Certificate	Production	Ministry of Environment and Urban Planning	TURKEY	National Regulations
ISO 9001:2015	Quality Management System Certificate	BUREAU VERITAS	TURKEY	ISO 9001:2015



## **Çolakoğlu Metalurji**

### **Headquarters**

Rüzgarlıbahçe Mahallesi, Kavak Sokak, No:16 Kat:5,  
34805 Kavacık, Beykoz, İstanbul  
Tel: +90 216 681 2600  
Fax: +90 216 537 1401 / +90 216 537 1402

### **Production Facility**

Dilovası Organize Sanayi Bölgesi,  
1. Kısım Mahallesi  
Göksu Caddesi No:16 41455  
Dilovası, Kocaeli  
Tel: +90 262 676 7500  
Fax: +90 262 754 8420

### **Production Facility (Reinforcing Bar)**

Dilovası OSB 5. Kısım D-5007 No: 15  
Gebze, Kocaeli  
Tel: +90 262 676 7500  
Fax: +90 262 754 8420

**[www.colakoglu.com.tr](http://www.colakoglu.com.tr)**  
**444 26 27 (444 CMAS)**



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