



DILER HOLDING



DİLER DEMİR ÇELİK DILER IRON & STEEL

1954 yılında ülkenin hızla artan inşaat çeliği talebini karşılamak amacıyla Karabük'te haddehane olarak kurulmuştur.

DİLER, 1978 yılından itibaren faaliyetlerini Gebze Dilovası'nda sürdürmeye başlamış ve daha sonra çelikhane ilave edilerek tesis entegre hale getirilmiştir. 2008 yılı içerisinde fabrika sahasına ~2 km mesafede kurulan Tel-Çubuk Haddehanesi devreye girmiştir. Şu anda tesis çelikhane, çubuk haddehane, tel-çubuk haddehane ve oksijen tesisi başta olmak üzere toz tutma, basınçlı hava, su tesisleri ve atölyeler gibi birçok yardımcı ünitelerden meydana gelmektedir.

Bugün DİLER, bu işe inanmış 1000 çalışanı ile birlikte büyümeye devam etmekte ve çelik ürünleri tercih edilen üreticilerden biri olmaktan gurur duymaktadır.

Diler was established as a rolling mill in Karabük in 1954 in order to meet the rapidly increasing construction steel demand of the country.

DILER started to carry out its activities in Gebze Dilovası since 1978 and later on, the facility was integrated by adding a steel mill. Wire-Rod Rolling Mill, which was established at a distance of ~2 km from the factory site, was put into operation in 2008. Currently, the facility consists of many auxiliary units such as dust holding, compressed air, water facilities and workshops, especially the steel mill, bar rolling mill, wire-rod rolling mill and oxygen facility.

Today, DILER continues to grow with its 1000 employees who believe in this business and is proud to be one of the preferred manufacturers of steel products.



DİLER DEMİR ÇELİK

DILER IRON & STEEL

ÜRETİM TESİSLERİ

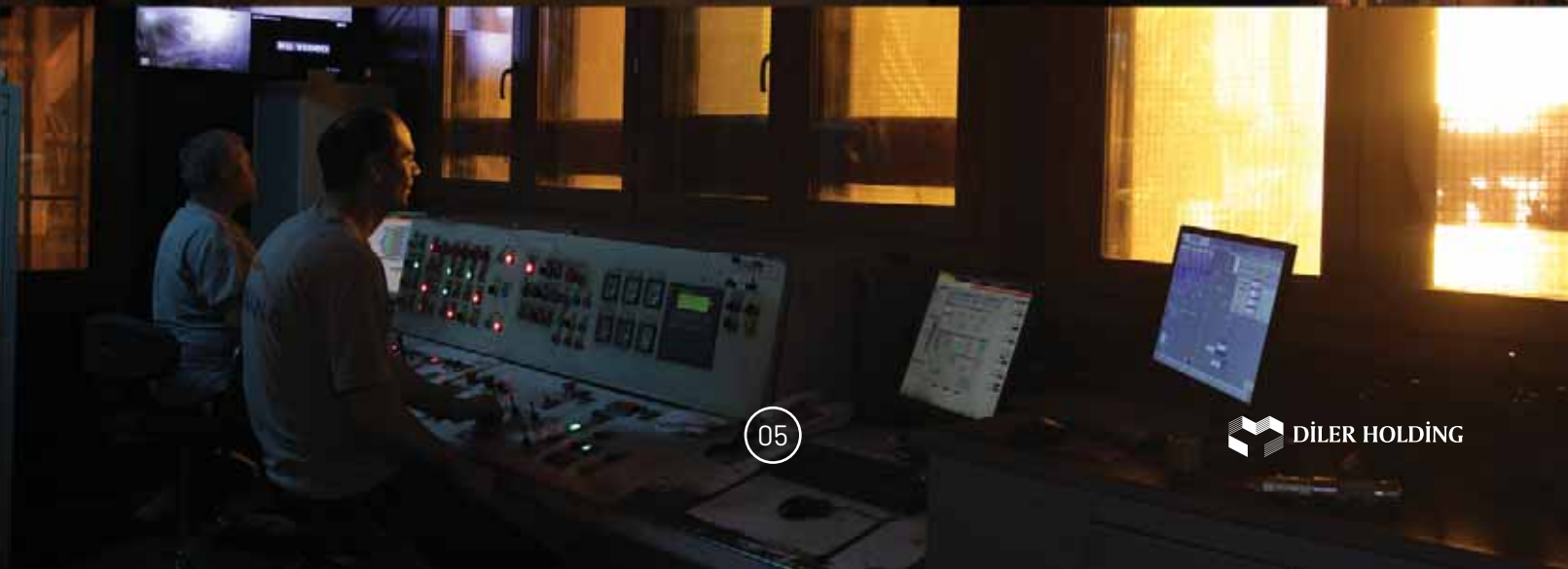
PRODUCTION FACILITIES

1. ÇELİKHANE | STEEL MAKING PLANT

Tesis Özellikleri | Facility Specifications

- Kapasite / Capacity: 1.300.000 t/y
- Kütük Kesit / Billet Section: 140x140 mm - 150x150 mm - 160x160 mm - 180x180 mm
- Kütük Boy / Billet Length: 6 m - 14 m
- Ocağın Tipi / Furnace Type: FUCHS Finger Shaft Elektrik Ark Ocağı (100 MVA) / FUCHS Finger Shaft Electrical Arc Furnace (100 MVA)
- Pota Ocağı / Ladle Furnace: BBC (24 MVA)
- Vakumda Gaz Giderme / Vacuum Degassing: DANIELI
(Emiş Kapasitesi / Suction Capacity: 180.000 m³/h)
- Sürekli Döküm Makinesi / Continuous Casting Machine: 6 Yollu - DANIELI / 6 Stands - DANIELI
- Kapalı Döküm Sistemi / Submerged Casting System
- Kalıp İçi Elektromanyetik Karıştırıcı / Mould Electromagnetic Stirrer (M-EMS)
- Nihai Elektromanyetik Karıştırıcı / Final Electromagnetic Stirrer (F-EMS)





DİLER DEMİR ÇELİK

DILER IRON & STEEL

ÜRETİM TESİSLERİ

PRODUCTION FACILITIES

2. ÇUBUK HADDEHANE | REBAR ROLLING MILL

Tesis Özellikleri | Facility Specifications

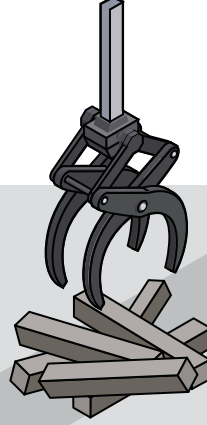
- Kapasite / Capacity: 1.050.000 t/y
- Çap / Diameter: 8 mm - 50 mm Nervürlü ve Düz Yüzeyle Çubuk
Deformed and Plain Steel Bar
- Boy / Length: 6 m - 18 m
- Yürüyen Kirişli Tavlama Fırını
Type of Walking Beam Reheating Furnace: FIVE STEIN: 180 t/s (t/h)
- Kütük Ebat / Billet Size: 130x130 mm - 150x150 mm
- Kütük Boy / Billet Length: 12 m
- Tufal Temizleme Ünitesi / Descaler Unit: 250 bar su ile (250 bars with water)
- 10 Yatay Tezgah - Hazırlama Grubu
10 Horizontal Stands - Roughing Mill Group
- Sıcak Haddeleme ve Havada Soğuma / Hot Rolled Air Cooling
- Sıcak Haddeleme Esnasında Isıl İşlem Uygulaması (Tempcore Sistem)
Quenching Self Tempering Application (Tempcore System)





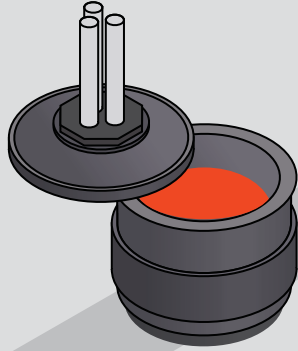
DİLER DEMİR ÇELİK

DILERS IRON & STEEL



01

Hammadde Hazırlanması (Hurda Metal)
Raw Material Preparation (Scrap Metal)



02

Elektrik Ark Ocağı (EAO)
Electric Arc Furnace (EAF)

Marka/Model: FUCHS Finger Shaft (100 MVA)
Kapasite / Capacity: 120 ton good billet / heat

04

Sürekli Döküm
Continuous Casting

A- Marka/Model:

6 Yollu DANIELI
6 Strands DANIELI

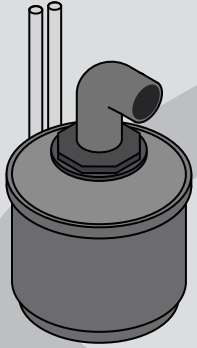
Kapalı Döküm Sistemi
Submerged Casting System

Kalıp İçi Elektromanyetik Karıştırıcı
Mould Electromagnetic Stirrer (M-EMS)

Nihai Elektromanyetik Karıştırıcı
Final Electromagnetic Stirrer (F-EMS)

B- Oksijen Aleviyle Kesme Sistemi
Oxy-Torch Cutting System

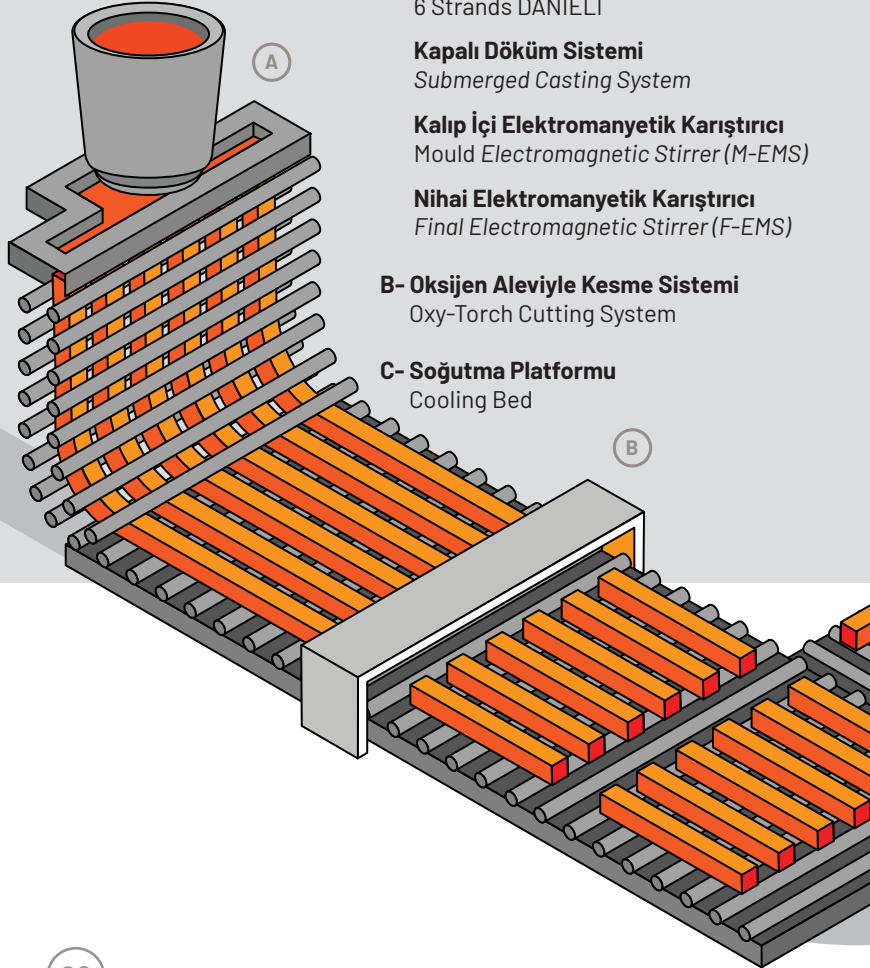
C- Soğutma Platformu
Cooling Bed



03

Pota Ocağı (PO)
Vakumda Gaz Giderme (VGG)
Ladle Furnace (LF)
Vacum Degassing (VD)

Marka/Model: Danieli
Kapasite / Capacity: 110 ton good billet / heat



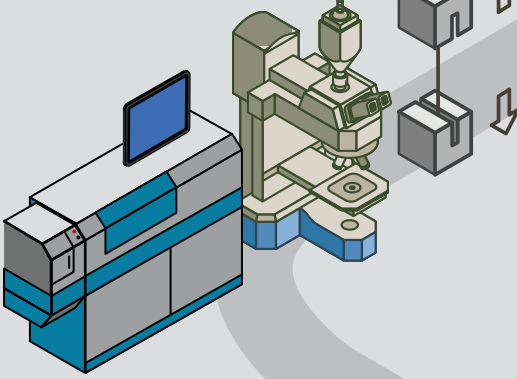
KAPASİTE / CAPACITY
1.300.000 t/y

ÇELİKHANE ÜRETİM HATTI MELT SHOP PRODUCTION LINE

06

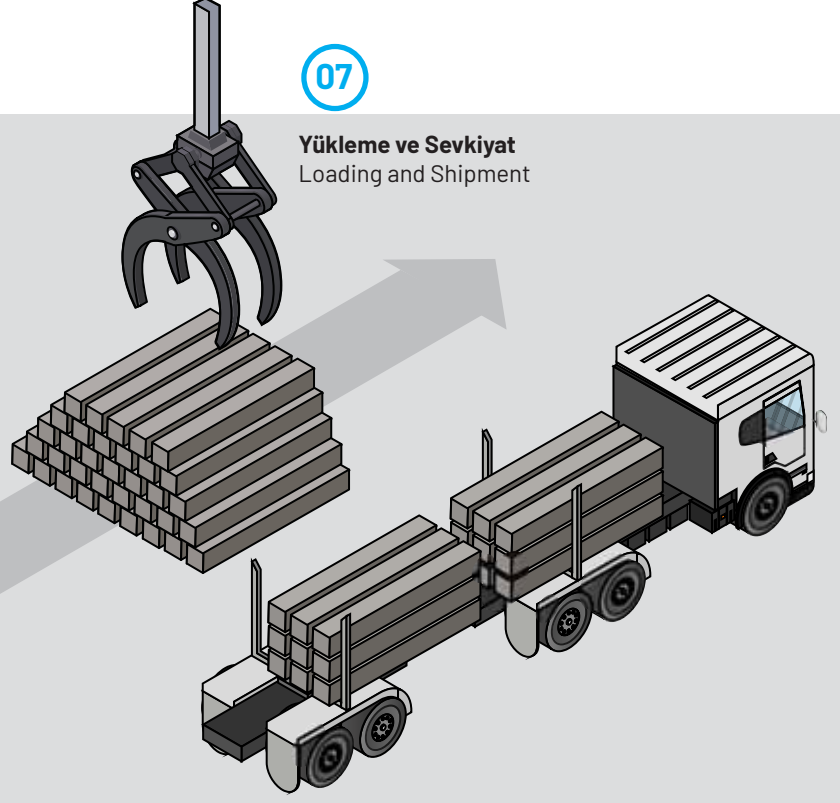
Kalite Kontrol Quality Control

Kimyasal ve Fiziksel Kontroller
Chemical and Physical Controls



07

Yükleme ve Sevkiyat Loading and Shipment



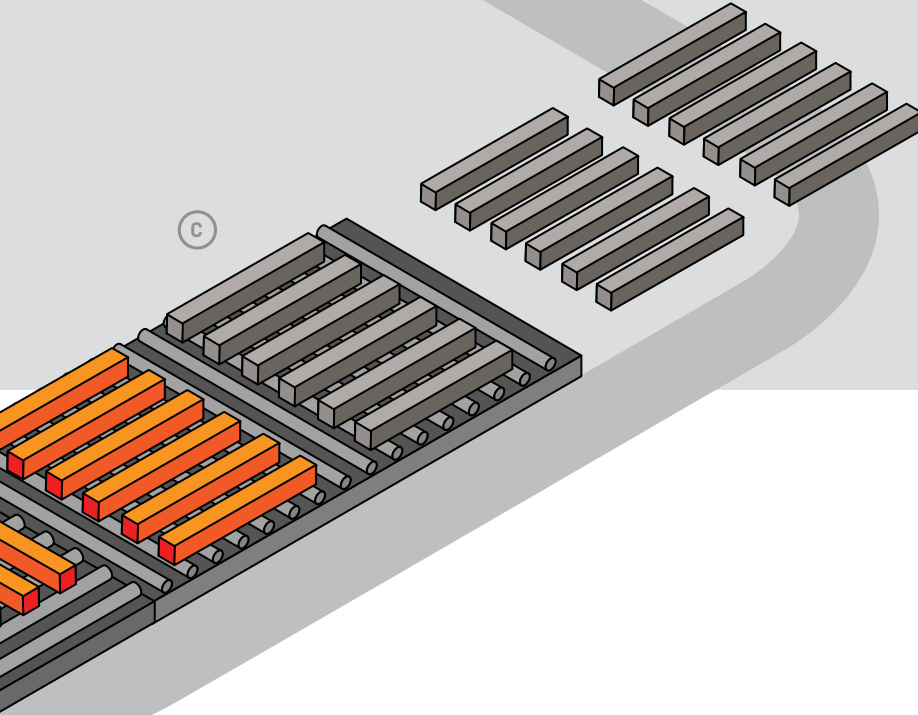
05

Kütük Billet

Kesit / Section: 140 x 140 mm - 150 x 150 mm
160 x 160 mm - 180 x 180 mm

Boy / Length: 6 m - 14 m

C



DİLER DEMİR ÇELİK

DILER IRON & STEEL

01

**Kütük
Billet**

Kesit / Section:
130 x 130 mm - 150 x 150 mm
Boy / Length: 12 m

02

Yürüyen Kirişli Tavlama Fırını
Walking Beam Reheating Furnace

Marka/Model: FIVE STEIN
Kapasite / Capacity: 180 t/s (t/h)

03

Tufal Temizleme Ünitesi
Descaler Unit

Su Basıncı / Water Pressure:
250 bar

04

Kaba Hadde Grubu
Roughing Mill Group

10 Yatay Tezgah
10 Horizontal Stands

05

Orta Hadde Grubu
Intermediate Mill Group

3 Yatay Tezgah
3 Horizontal Stands

06

Finiş Hadde Grubu (Loop Kontrollü - 2 Ünite)
Finishing Mill Group (Loop Controlled - 2 Units)

5 Yatay Tezgah (Her Grup)
5 Horizontal Stands (Each Group)

07

**Ara Uçar Makas
(2 Adet)**
Intermediate Flying
Shear (2 Units)

KAPASİTE / CAPACITY
1.050.000 t/y

ÇUBUK HADDEHANE ÜRETİM HATTI REBAR ROLLING MILL PRODUCTION LINE

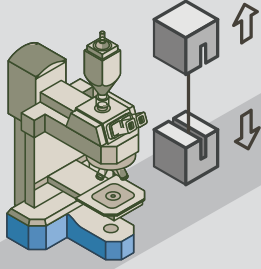
Tamamen Sürekli 2 Yollu Haddehane
Fully Continuous 2 Strand Rolling Mill

Sıcak Haddelme ve Havada Soğuma
Hot Rolling and Air Cooling

14

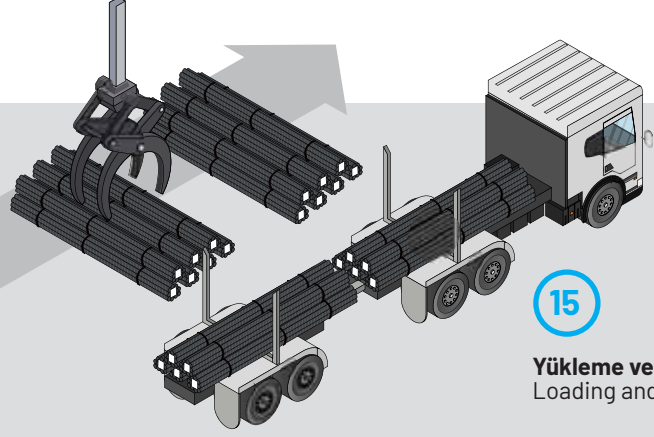
Kalite Kontrol Quality Control

Kimyasal ve Fiziksel Kontroller
Chemical and Physical Controls



15

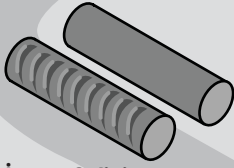
Yükleme ve Sevkiyat Loading and Shipment



13

Çelik Çubuk – İnşaat Çeliği (Nervürlü veya Düz Yüzeyle) Steel Bar – Rebar (Deformed or Plain)

Çap / Diameter: 8 mm – 50 mm
Boy / Length: 6 m – 18 m

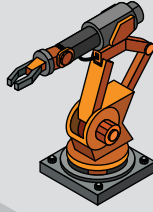


12

Etiketleme Labelling

Robot Kol ile Paketlenmiş
Çubukların Son Kontrolleri
ve Etiketlenmesi

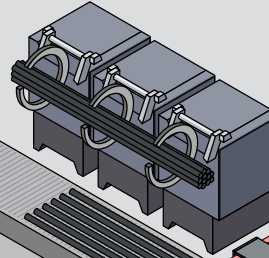
Final Control and Labelling
of Bundled Rods with
Robotic Arm



11

Paketleme Alanı (2 Adet) Packing Area (2 Units)

Otomatik Demetleme ve Bağlama
Sistemi
Automatic Bundling and Binding
System



10

Soğuk Finiş Makas Final Cold Shear



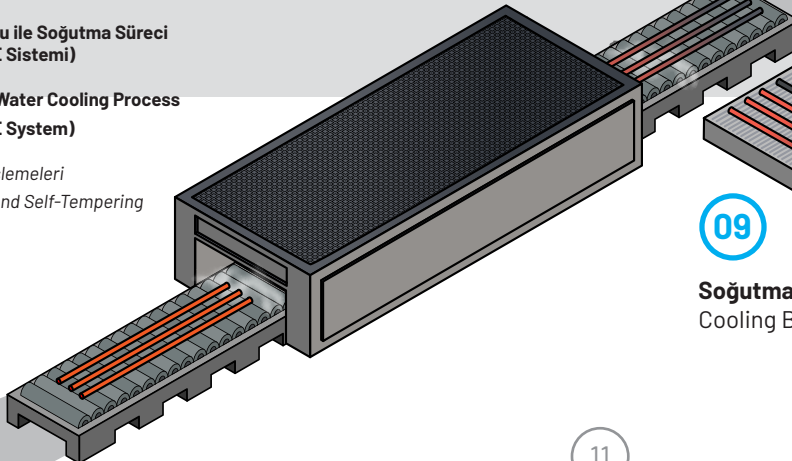
08

Isıl İşlem Hattı Heat Treatment Line

Kontrollü, Su ile Soğutma Süreci
(TEMPCORE Sistemi)

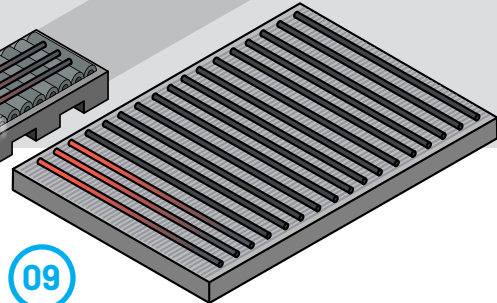
Controlled Water Cooling Process
(TEMPCORE System)

Çelik Islah İşlemleri
Quenching and Self-Tempering



09

Soğutma Platformu (2 Adet) Cooling Bed (2 Units)



DİLER FİLMAŞIN HADDEHANE

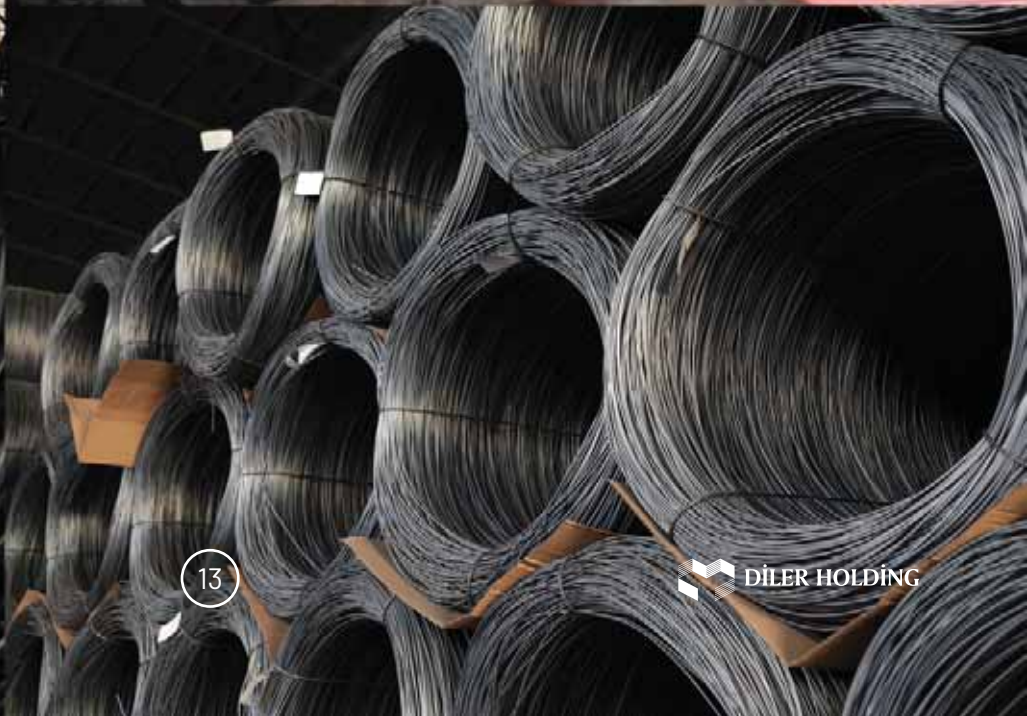
DILER WIRE ROD ROLLING MILL

ÜRETİM TESİSLERİ

PRODUCTION FACILITIES

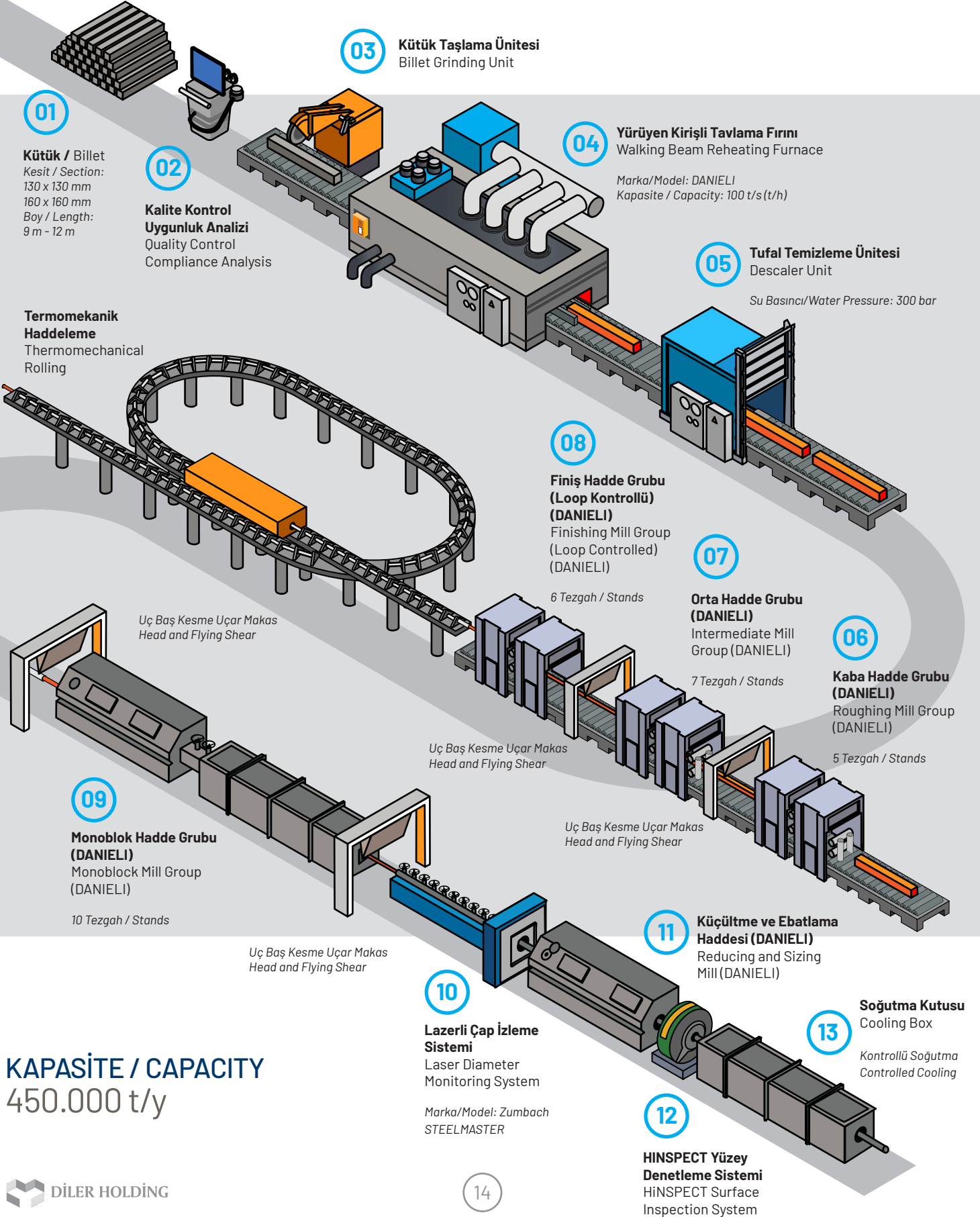
1. TESİS ÖZELLİKLERİ | FACILITY SPECIFICATIONS

- Kapasite / Capacity: 450.000 t/y
- Çap / Diameter: 4,5 mm - 29 mm Düz Yüzeyleli Filmaşın / Plain Round Wire Rod
- 6 mm - 16 mm Nervürlü Filmaşın / Debar in Coil
- Yürüyen Kirişli Tavlama Fırını / Type of Walking Beam Reheating Furnace: 100 t/h DANIELI
- Kütük Ebat / Billet Size: 130x130 mm - 160x160 mm
- Kütük Boy / Billet Length: 9 m - 12 m
- Tufal Temizleme Ünitesi / Descaler Unit: 300 bar su ile (300 bar with water)
- 32 Hadde Tezgah (18 Dikey-Yatay Hadde Tezgahı + 10 lu Monoblok + 4 lü Twinblok)
32 Rolling Stand Mill (18 Horizontal & Vertical Rolling Stands + 10 Monoblock + 4 Twinblock) DANIELI
- Termomekanik Haddeleme / Thermomechanical Rolling DANIELI
- 2 Tip Serme Kafa (4,5 mm - 29 mm / Özel 4,5 mm - 7mm)
2 type Laying Head (4,5 mm - 29 mm / Special 4,5 mm - 7 mm)
- Stelmor Kontrollü Soğutma Sistemi / Stelmor Controlled Cooling System:
90 m Kapalı 110 m Toplam Uzunluk / 90 m With Cover, Total 110 m
Yüksek Soğutma Kapasiteli 18 Adet Fan / 18 Blower With High Cooling Capacity DANIELI
- Lazer Çap Ölçüm Sistemi / Laser Diameter Measurement System
- Yüksek Çözünürlüklü Kamera ile Hat Üstü Yüzey Kontrol Sistemi / Surface Control System with High Definition Camera
- Sıcaklık Hat Tarayıcı / Temperature Line Scanner
- Yüksek Hız Makası / High Speed Shear
- DANIELI Level 2 Kontrol Sistemi / DANIELI Level 2 Control System
- İki Adet Bağlama Makinesi / Two Binding Machines
- Çan Tipi Filmaşın Tavlama Fırını / Bell Type Wire Rod Annealing Furnace
DANIELI: 50.000 t/y (4 Isıtma + 2 Soğutma) / (4 Heating + 2 Cooling)
(N2) Azot Atmosferi Altında, Filmaşın Küreşleştirme Tavlama İşlemi / Coils Spheroidizing Annealing in Nitrogen (N2) Atmosphere, Wire Rod Spheroidization Annealing Process



DİLER FİLMAŞIN HADDEHANE

DILER WIRE ROD ROLLING MILL



KAPASİTE / CAPACITY
450.000 t/y

FİLMAŞIN HADDEHANE ÜRETİM HATTI

WIRE ROD ROLLING MILL PRODUCTION LINE

Sıcaklık Hat Tarayıcı
Temperature Line Scanner

Yüksek Çözünürlüklü Kamera ile Hat Üstü Yüzey Kontrol Sistemi
Surface Control System with High Definition Camera

14

Lazer Çap Ölçüm Sistemi
Laser Diameter Measurement System

Marka/Model: LAP Laser Counter Check Bar & Tube
Hata Dedektörü / Flaw Dedector

15

Yüksek Hızlı Makas
High Speed Shear

16

Serme Kafası
Laying Head

2 Tip 4,5 mm - 29 mm
/ özel 4,5 mm - 7 mm
2 Type 4,5 mm - 29 mm
/ special 4,5 mm - 7 mm

Roleli Soğutma Konveyörü (DANIELI)
Cooling Conveyor (DANIELI)

Danieli Level 2 Kontrol Sistemi
Danieli Level 2 Control System

17

Stelmor Kontrollü Soğutma Sistemi
Stelmor Controlled Cooling System

90 m Kapalı 110 m Toplam Uzunluk
90 m with Cover, Total 110 m Length

Yüksek Soğutma Kapasiteli 18 Adet Fan
18 Blower with High Cooling Capacity

A

Çan Tipi Filmaşın Tavlama Fırını
Bell Type Wire Rod Annealing Furnace

Marka/Model: DANIELI
Kapasite / Capacity: 50.000 t/y

4 Isıtma, 2 Soğutma Fırını
4 Heating, 2 Cooling Furnace

(N2) Azot Atmosferi Altında Filmaşın
Küreselleştirme Tavlama İşlemi
Wire Rod Spheroidizing Annealing
Process Under Nitrogen
(N2) Atmosphere

20

Filmaşın
Wire Rod

Düz Yüzeyle Filmaşın / Plain Round
Wire Rod : 4,5 mm - 29 mm
Nervürlü Filmaşın / Debar in Coil :
6 mm - 16 mm

18

Kalite Kontrol
Quality Control

21

**Yükleme ve
Sevkiyat**
Loading and
Shipment

19

Reforming Tub
Reforming Tub

2 Sıkıştırma ve Bağlama
Makinası
2 Compacting and
Binding Machines

B

Tavlı Filmaşın
Annealed Wire Rod

Düz Yüzeyle Filmaşın / Plain Round
Wire Rod : 4,5 mm - 29 mm
Nervürlü Filmaşın / Debar in Coil :
6 mm - 16 mm

C

**Yükleme ve
Sevkiyat**
Loading and
Shipment

15

DİLER FİLMAŞIN HADDEHANE

DILER WIRE ROD ROLLING MILL

FİLMAŞIN ÖZELLİKLERİ

WIRE ROD FEATURES

Biçim Format	Ölçüler Dimensions	Filmaşın Ağırlıklar Coil Weights	Filmaşın Boyutları Coil Diameter / Height	Çap Toleransları Size Tolerances
Düz Yüzeqli Plain Round	4.50 - 29.00mm	1,500-2,300kg	İç Çap / Inner Diameter: 800-900mm Dış Çap / Outer Diameter: 1,200- 1,300mm veya /or 1,100-1,170mm Yükseklik / Height: 1,000-1,800mm	EN 10108B EN 10108A EN 10017 DIN 59115A DIN 59115B
Nervürlü Debar	6.00 - 16.00mm	1,750-2,000kg	İç Çap / Inner Diameter: 850-950mm Dış Çap / Outer Diameter: 1,200- 1,300mm veya /or 1,100-1,170mm Yükseklik / Height: 1,400-1,900mm	Ulusal ve Yabancı Standartlara Göre According to National and Foreign Standards

DİLER müşteri istek ve beklentilerini karşılamak için , geniş kalite yelpazesinde, kaynak elektrodu, çelik hasır, otomat çelikleri, tel, civata, yay vb. üretiminde kullanılan filmaşın üretimi yapmaktadır.

DILER Company are producing wide range of wire rods such as welding electrod, steel mesh, free cutting steels, fastener industry, spring.

Paketleme / Packaging

7 mm Tel ile 4 noktadan tek veya çift bağlama
Single or double tying from 4 points with 7 mm wire

Metalik şerit ile 4 noktadan tek veya çift bağlama
Single or double tying from 4 points with metallic strip

Kare Barkod ile Çift Etiketleme
Double Labeling with Square Barcode

Asit ve hava koşullarına dayanıklı plastik etiket
Acid and weather resistant plastic label





DİLER FİLMAŞIN HADDEHANE

DILER WIRE ROD ROLLING MILL

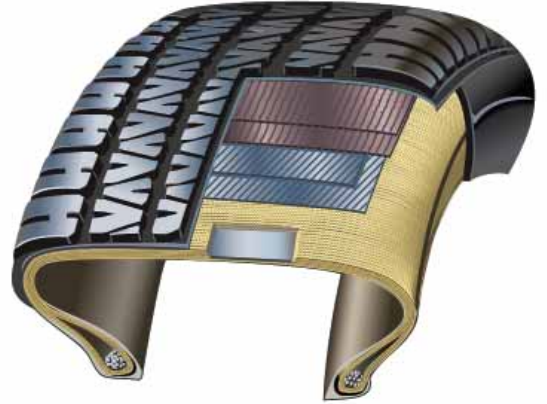
ÜRÜNLER / PRODUCTS

KORD TELİ / STEEL CORD



Kullanım Alanları / Applications

- Lastik Çelik Kuşak / Tyre Steel Cord
- Lastik Topuk Teli / Tyre Bead Wire



Kalite Quality	Eşdeğer Kaliteler Equivalent Qualities	%C	%Si	%Mn	%P	%S	%Ni	%Cr	%Cu	%Mo
SAE 1072	JIS G 3506 SWRH 72A	0.70-0.75	0.30 max	0.45-0.60	0.025 max	0.025 max	0.10 max	0.10 max	0.10 max	0.03 max
SAE 1080	JIS G 3506 SWRH 82A	0.80-0.85	0.30 max	0.45-0.60	0.025 max	0.025 max	0.10 max	0.10 max	0.10 max	0.03 max

SOĞUK ŞEKİLLENDİRME ÇELİKLERİ COLD FORMING STEELS



Kullanım Alanları / Applications

- Vidalar / Screws
- Somunlar / Nuts
- Cıvatalar / Bolts
- Perçinler / Rivets

Kalite Quality	Eşdeğer Kaliteler Equivalent Qualities	Malzeme No. Material No.	%C	%Si	%Mn	%P	%S	%Ni	%Cr	%Cu	%Al	%B
17MNB3	JIS G 3507-1 SWRCH22A	-	0.17-0.23	0.10 max	0.80-1.10	0.025 max	0.025 max	0.10 max	0.10-0.20	0.10 max	0.020-0.050	0.0020-0.0050
20MNB4	ASTM A29/29M AISI 10B20	1.553	0.18-0.23	0.10 max 0.15-0.25	0.90-1.10	0.025 max	0.025 max	0.10 max	0.30 max	0.25 max	0.020-0.050	0.0020-0.0050
23MNB4	-	1.554	0.20-0.25	0.10 max 0.15-0.25	0.90-1.20	0.025 max	0.025 max	0.10 max	0.30 max	0.25 max	0.020-0.050	0.0020-0.0050
27MNB4	ASTM A29/29M AISI 10B26	1.554	0.25-0.30	0.10 max 0.15-0.25	0.90-1.20	0.025 max	0.025 max	0.10 max	0.30 max	0.25 max	0.020-0.050	0.0020-0.0050
30MNB4	ASTM A29/29M AISI 10B30	1.553	0.27-0.32	0.10 max 0.15-0.25	0.80-1.10	0.025 max	0.025 max	0.10 max	0.30 max	0.25 max	0.020-0.050	0.0020-0.0050
C35B	35B2	1.551	1.5510.32-0.38	0.10 max	0.60-0.80	0.025 max	0.025 max	0.10 max	0.30 max	0.10 max	0.020-0.050	0.0020-0.0050
37Cr4	-	1.703	0.34-0.41	0.10 max	0.60-0.90	0.025 max	0.025 max	0.10 max	0.90-1.20	0.10 max	-	-
41Cr4	ASTM A29/29M AISI 5140	1.704	1.7040.38-0.45	0.10 max	0.60-0.90	0.025 max	0.025 max	0.10 max	0.90-1.20	0.10 max	-	-
SAE 1006 C	JIS G 3507-1 SWRCH6A EN 10263-2 C7C	1.031	0.08 max	0.10 max	0.25-0.45	0.025 max	0.025 max	0.10 max	0.10 max	0.30 max	0.020-0.050	-
SAE 1008 C	JIS G 3507-1 SWRCH8A EN 10263-2 C8C	1.021	0.10 max	0.10 max	0.30-0.50	0.025 max	0.025 max	0.10 max	0.10 max	0.30 max	0.020-0.050	-
SAE 1010 C	JIS G 3507-1 SWRCH10A EN 10263-2 C10C	1.021	0.08-0.13	0.10 max	0.30-0.50	0.025 max	0.025 max	0.10 max	0.10 max	0.30 max	0.020-0.050	-
SAE 1018 C	JIS G 3507-1 SWRCH18A EN 10263-2 C17C	1.021	0.15-0.20	0.10 max 0.15-0.25*	0.60-0.90	0.025 max	0.025 max	0.10 max	0.10 max	0.30 max	0.020-0.050	-

DİLER FİLMAŞİN HADDEHANE

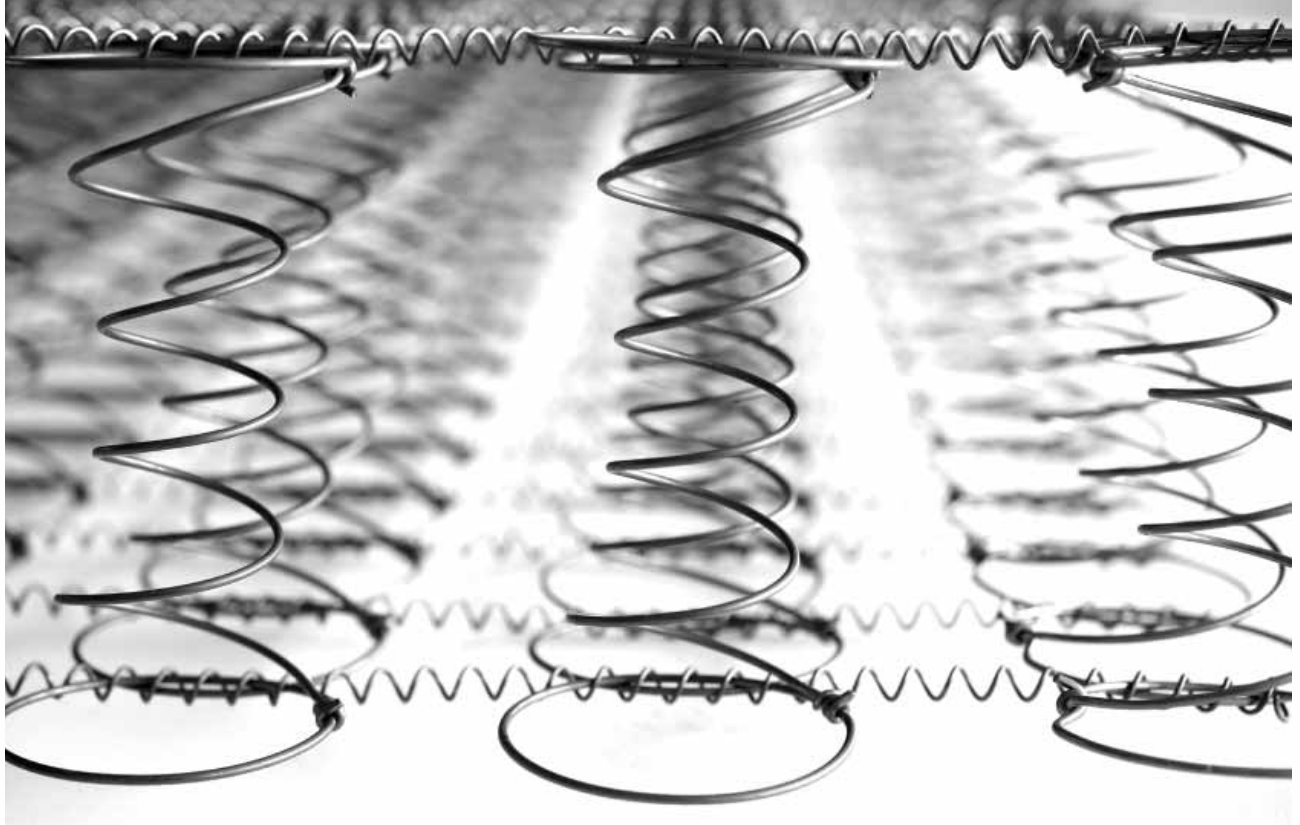
DILER WIRE ROD ROLLING MILL

ÜRÜNLER / PRODUCTS

ORTA VE YÜKSEK KARBONLU ÇELİKLER MEDIUM AND HIGH CARBON STEELS

Kullanım Alanları / Applications

- Yatak Yayısı / Mattress Spring
- Teknik Yaylar / Technical Springs
- Testere Teli / Saw Wire
- Kablo Zırh Teli / Cable Armoring Wire
- Halat Teli / Rope Wire
- Döşeme Yaylı Tel / Upholstery Spring Wire
- Kayak Kenarı Profilleri / Ski Edge Profiles





Kalite Quality	Eşdeğer Kaliteler Equivalent Qualities	Malzeme No. Material No.	%C	%Si	%Mn	%P	%S	%Ni	%Cr	%Cu	%Mo	%Cr+Mo+Ni
SAE 1035	ISO 16120-2 C38D EN 10083-2 C35	10.501	0.32-0.38	0.30 max	0.60-0.90	0.030 max	0.030 max	0.40 max	0.40 max	0.30 max	0.05 max	0.63 max
C35R	-	11.180	0.32-0.39	0.30 max	0.60-0.90	0.030 max	0.020- 0.040	0.40 max	0.40 max	0.30 max	0.05 max	0.63 max
SAE 1040	ISO 16120-2 C40D EN 10083-2 C40	10.511	0.37-0.44	0.30 max	0.60-0.90	0.030 max	0.030 max	0.40 max	0.40 max	0.30 max	0.05 max	0.63 max
SAE 1045	JIS G 3506 SWRH 47B ISO 16120-2 C42D EN 10083-2 C45	10.503	0.43-0.48	0.15-0.30 0.30 max	0.60-0.90	0.030 max	0.030 max	0.40 max	0.40 max	0.30 max	0.05 max	0.63 max
SAE 1045 Y	JIS G 3506 SWRH 47A ISO 16120-4 C46D2	11.162	0.44-0.48	0.10-0.30	0.50-0.60	0.020 max	0.025 max	0.10 max	0.10 max	0.15 max	0.03 max	0.63 max
C45R	-	11.201	0.43-0.48	0.30 max	0.60-0.90	0.030 max	0.020- 0.040	0.40 max	0.40 max	0.30 max	0.05 max	0.63 max
SAE 1055	JIS G 3506 SWRH 57B ISO 16120-2 C56D	10.535	0.54-0.58	0.15-0.30 0.30 max	0.60-0.90	0.030 max	0.030 max	0.40 max	0.40 max	0.30 max	0.05 max	0.63 max
SAE 1055 Y	JIS G 3506 SWRH 57A ISO 16120-4 C56D2	11.220	0.54-0.58	0.10-0.30	0.50-0.60	0.020 max	0.025 max	0.10 max	0.10 max	0.15 max	0.03 max	0.63 max
SAE 1065	JIS G 3506 SWRH 67B ISO 16120-2 C66D	11.230	0.64-0.68	0.15-0.30 0.30 max	0.60-0.90	0.030 max	0.030 max	0.40 max	0.40 max	0.30 max	0.05 max	0.63 max
SAE 1065 Y	JIS G 3506 SWRH 67A ISO 16120-2 C66D2	12.222	0.64-0.68	0.10-0.30	0.50-0.60	0.020 max	0.025 max	0.10 max	0.10 max	0.15 max	0.03 max	0.63 max
SAE 1070	JIS G 3506 SWRH 72B ISO 16120-2 C70D	11.231	0.70-0.75	0.15-0.30 0.30 max	0.60-0.90	0.030 max	0.030 max	0.40 max	0.40 max	0.30 max	0.05 max	0.63 max
SAE 1075 (*)	JIS G 3506 SWRH 77B ISO 16120-2 C76D	11.248	0.74-0.77	0.15-0.30 0.30 max	0.60-0.90	0.030 max	0.030 max	0.40 max	0.40 max	0.30 max	0.05 max	0.63 max
SAE 1080	JIS G 3506 SWRH 82B ISO 16120-2 C82D	-	0.80-0.85	0.15-0.30 0.30 max	0.60-0.90	0.030 max	0.030 max	0.40 max	0.40 max	0.30 max	0.05 max	0.63 max

(*) Cr+V alaşımli üretilebilmektedir. Cr+V alloy can be produced.

DİLER FİLMAŞIN HADDEHANE

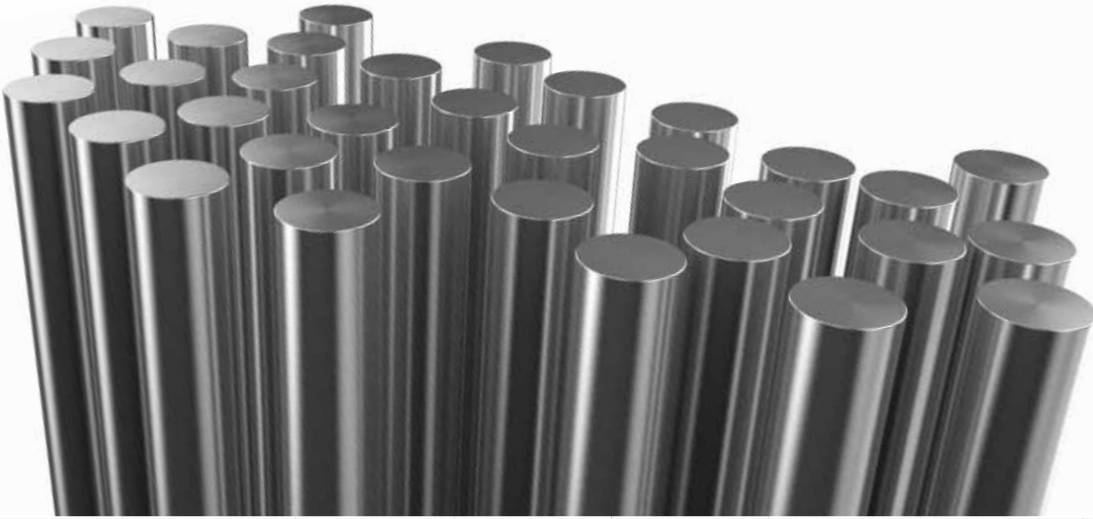
DILER WIRE ROD ROLLING MILL

ÜRÜNLER / PRODUCTS

OTOMAT ÇELİKLERİ FREE CUTTING STEELS

Kullanım Alanları / Applications

- Otomat Çelikleri / Free Cutting Steels



Kalite Quality	Malzeme No. Material No.	%C	%Si	%Mn	%P	%S	%Pb
11SMNPB30	10.718	0.14 max	0.05 max	0.90-1.30	0.11 max	0.27-0.33	0.20-0.35
11SMN30	10.715	0.14 max	0.05 max	0.90-1.30	0.11 max	0.27-0.33	-
12L14	10.737	0.15 max	0.03 max	0.85-1.15	0.04-0.09	0.26-0.35	0.15-0.35
10S20	10.721	0.07-0.13	0.40 max	0.70-1.10	0.06 max	0.15-0.25	0.20-0.35
44SMN28	10.762	0.40-0.48	0.40 max	1.30-1.70	0.06 max	0.24-0.33	-

KAYNAK ELEKTROD TELİ ÇELİKLERİ WELDING WIRE STEELS



Kullanım Alanları / Applications

- Kaynak Teli / Welding Wire
- Kaynak Elektrot Çubuğu / Stick Electrode

Kalite Quality	Eşdeğer Kaliteler Equivalent Qualities	Malzeme No. Material No.	%C	%Si	%Mn	%P	%S	%Ni	%Cr	%Cu	%Mo	%B	%Ti
S1	AWS A5.17 EL 12 JIS 3503 SWRY 11 DIN 17145 RRS D10	1.0323 1.0351	0.06-0.12	0.05 max	0.35- 0.60	0.030 max	0.030 max	0.15 max	0.15 max	0.20 max	-	-	-
S2	AWS A5.17 EM 12 DIN 17145 11Mn4	10.494	0.07-0.15	0.10 max	0.80- 1.20	0.030 max	0.030 max	0.15 max	0.15 max	0.20 max	-	-	-
S3	DIN 17145 11Mn6	10.496	0.08-0.14	0.08- 0.22	1.35- 1.65	0.030 max	0.030 max	0.15 max	0.15 max	0.20 max	-	-	-
S2Si	AWS A5.17 EM 12K DIN 17145 11Mn4	10.492	0.07-0.15	0.20- 0.30	0.80- 1.20	0.030 max	0.030 max	0.15 max	0.15 max	0.20 max	-	-	-
S2Mo	AWS A5.23 EA2 DIN 17145 11MnMo45	15.425	0.08-0.15	0.05- 0.25	0.80- 1.20	0.025 max	0.025 max	0.15 max	0.15 max	0.20 max	0.45- 0.65	-	-
S2MoTiB	-	-	0.05-0.15	0.10- 0.30	1.00- 1.20	0.025 max	0.025 max	0.10 max	0.10 max	0.12 max	0.45- 0.65	0.010- 0.020	0.10- 0.20
SG2	AWS A5.18 ER70S-6 EN 440 G3Si1 DIN 17145 11MnSi6	15.125	0.07-0.14	0.70- 1.00	1.30- 1.60	0.025 max	0.025 max	0.15 max	0.15 max	0.20 max	0.15 max	-	-
SG3	AWS A5.18 ER70S-6 EN 440 G4Si1 DIN 17145 11MnSi7	15.130	0.07-0.14	0.80- 1.20	1.60- 1.90	0.025 max	0.025 max	0.15 max	0.15 max	0.20 max	0.15 max	-	-
ER110SG	-	-	0.10 max	0.80 max	1.60 max	0.010 max	0.010 max	1.90- 2.00	0.30- 0.40	0.25- 0.35	0.30- 0.50	-	0.10 max

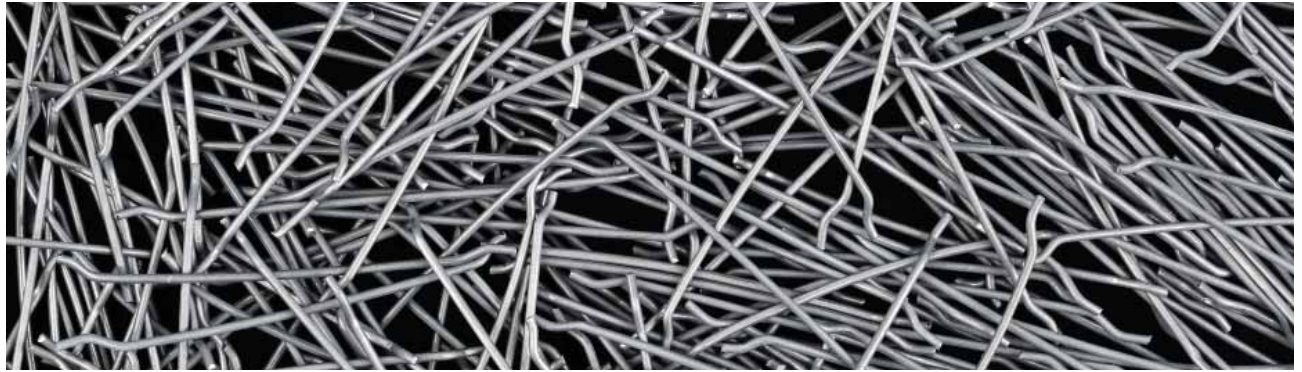
DİLER FİLMAŞIN HADDEHANE

DILER WIRE ROD ROLLING MILL

ÜRÜNLER / PRODUCTS

DÜŞÜK KARBONLU ÇELİKLER

LOW CARBON STEELS



Kalite Quality	Eşdeğer Kaliteler Equivalent Qualities	Malzeme No. Material No.	%C	%Si	%Mn	%P	%S	%Ni	%Cr	%Cu	%Mo
SAE 1005	EN 16120-3 C4D1 EN 10016-2 C4D	1.0300 1.0314	0.06 max	0.10 max 0.30 max	0.25-0.45	0.025 max	0.025 max	0.10 max	0.10 max	0.15 max	0.03 max
SAE 1006	JIS G 3505 SWRM 6 EN 10016-2 C7D	10.313	0.08 max	0.30 max	0.25-0.45	0.025 max	0.025 max	0.10 max	0.10 max	0.30 max	0.05 max
SAE 1008	JIS G 3505 SWRM 8 EN 10016-2 C9D	1.0304 1.0318	0.10 max	0.30 max	0.30-0.60	0.025 max	0.025 max	0.10 max	0.10 max	0.30 max	0.05 max
SAE 1010	JIS G 3505 SWRM 10 EN 10016-2 C10D	1.0308 1.0310	0.08-0.13	0.30 max	0.30-0.60	0.025 max	0.025 max	0.10 max	0.10 max	0.30 max	0.05 max
SAE 1012	JIS G 3505 SWRM 12 EN 10016-2 C12D	10.311	0.10-0.15	0.30 max	0.30-0.60	0.025 max	0.025 max	0.10 max	0.10 max	0.30 max	0.05 max
SAE 1015	JIS G 3505 SWRM 15 EN 10016-2 C15D	10.413	0.13-0.15	0.30 max	0.30-0.60	0.025 max	0.025 max	0.10 max	0.10 max	0.30 max	0.05 max
SAE 1018	-	-	0.15-0.20	0.30 max	0.30-0.60	0.025 max	0.025 max	0.10 max	0.10 max	0.30 max	0.05 max
SAE 1020	JIS G 3505 SWRM 20 EN 10016-2 C20D	1.0408 1.0541	0.18-0.23	0.30 max	0.30-0.60	0.025 max	0.025 max	0.10 max	0.10 max	0.30 max	0.05 max

ÖN GERİLMELİ BETON DEMETİ VE TELİ ÇELİKLERİ PRESTRESSED CONCRETE STRAND AND WIRE STEELS



Kullanım Alanları / Applications

- Köprü İnşaatı / Bridge Building
- Endüstriyel İnşaat / Industrial Construction
- Demiryolu Travers İmalatı / Railway Sleeper Manufacturing
- Rüzgar Enerjisi Santrali / Wind Power Station
- Silo İmalatları / Silo Manufacturing
- Zemin Ankraj Uygulamaları / Ground Anchoring Applications
- Beton Borular / Concrete Pipes



DNA
PC STRAND

Kalite Quality	Eşdeğer Kaliteler Equivalent Qualities	Malzeme No. Material No.	%C	%Si	%Mn	%P	%S	%Ni	%Cr	%Cu	%Mo	%N	%Al
SAE 1080 PC(*)	ISO 16120-4 C82D2	11.262	0.80- 0.84	0.10- 0.30	0.50- 0.70	0.020 max	0.025 max	0.10 max	0.10 max	0.15 max	0.03 max	0.0070 max	0.010 max

(*) Cr+V alaşımli üretilebilmektedir. Cr+V alloy can be produced.



YAZICI DEMİR ÇELİK YAZICI IRON & STEEL

1949 yılında Karabük'te kurulan şirket, 1993 yılında İskenderun – Sariseki Organize Sanayi Bölgesi'nde entegre demir çelik tesislerini faaliyete geçirdi.

Yıllık 920.424 ton Çelikhane, 1.025.568 ton Haddehane kapasitesine sahip olan tesislerde müşteri talebine göre; TS, DIN, ASTM, İSRAİL ve diğer dünya standartlarına uygun olarak çelik kütük ve inşaat demiri üretimi gerçekleştirmektedir. Şirketin almış olduğu ISO 9001, ISO14001, ISO 45001 belgeleri kaliteye, çevreye ve iş sağlığına verilen önemin en büyük göstergesidir.

Şirket, DİLER Dış Ticaret A.Ş. aracılığıyla ABD, Hollanda, Almanya, İsrail, Mısır, Lübnan, Suudi Arabistan, Kuveyt, Birleşik Arap Emirlikleri, Yemen, Singapur, Tayland, Hong Kong basta olmak üzere yaklaşık 50 ülkeye ihracat yapmaktadır.

Ayrıca fabrika sahası önünde bulunan ve 8 milyon ton/yıl kuru yük kapasitesi olan liman tesislerinde, firmanın kendi yükleri ve üçüncü şahıslara ait yüklerin yükleme ve boşaltılması yanında genel antrepo hizmetleri de verilmektedir.

Established in Karabuk in 1949, the company activated it's integrated iron and steel facilities in Iskenderun - Sariseki Organized Industrial Zone in 1993.

According to customer demand, It produces steel billets and rebars in accordance with TS, DIN, ASTM, ISRAEL and other world standards. In the facilities the annual capacity for the Steel shop is 920,424 ton and 1,025,568 ton for the Rolling Mill. ISO 9001, ISO14001, ISO 45001 certificates received by the company are the biggest indicators of the importance given to quality, environment and occupational health.

The company by DILER Foreign Trade Inc. exports to about 50 countries, mainly USA, Netherlands, Germany, Israel, Egypt, Lebanon, Saudi Arabia, Kuwait, United Arab Emirates, Yemen, Singapore, Thailand and Hong Kong.

In addition to the handling of the company's own cargoes and third parties' cargoes, general warehouse services are also provided at the port facilities located in front of the factory site with a dry cargo capacity of 8 million tons/year.

YAZICI DEMİR ÇELİK

YAZICI IRON & STEEL

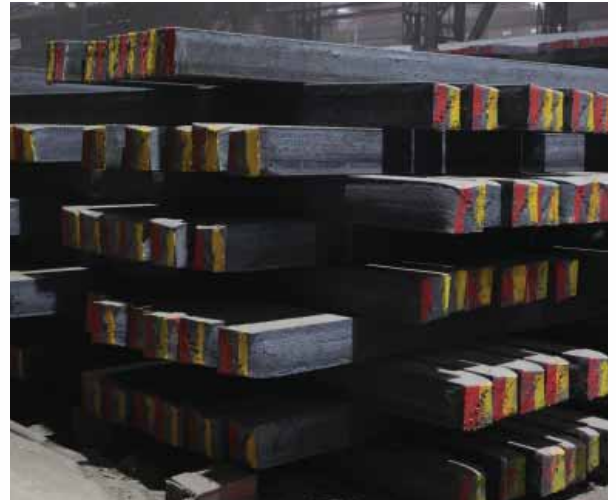
ÜRETİM TESİSLERİ

PRODUCTION FACILITIES

1. ÇELİKHANE | STEEL MAKING PLANT

Tesis Özellikleri | Facility Specifications

- Kapasite / Capacity: 920,424 t/y
- Kütük Kesit / Billet Section: 100x100 mm - 140x140 mm
- Kütük Boy / Billet Length: 4,5 m - 14 m
- Ocak Tipi / Furnace Type:
ABB DC Elektrik Ark Ocağı (78 MVA) ABB
ABB DC Electrical Arc Furnace (78 MVA) ABB
- Pota Ocağı / Ladle Furnace: 13 MVA
- Sürekli Döküm Makinesi / Continous Casting Machine:
6 Yollu - CONCAST / 6 Stands - CONCAST





YAZICI DEMİR ÇELİK

YAZICI IRON & STEEL

ÜRETİM TESİSLERİ

PRODUCTION FACILITIES

2. ÇUBUK HADDEHANE | REBAR ROLLING MILL

Tesis Özellikleri | Facility Specifications

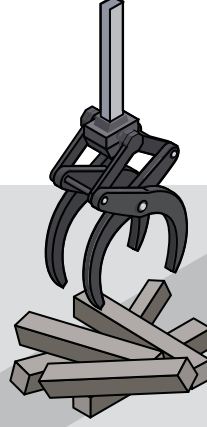
- Kapasite / Capacity: 1,025,568 t/y
- Çap / Diameter: 8 mm - 50 mm
- Nervürlü ve Düz Yüzeyle Çubuk / Deformed and Plain Steel Bar
- Boy / Length: 6 m - 18 m
- İtmeli Tip Tavlama Fırını / Pusher Type Reheating Furnace: 180 t/h
- Kütük Ebat / Billet Size: 130x130 mm - 140x140 mm
- Kütük Boy / Billet Length: 14m
- 10 Yatay Tezgah - Hazırlama Grubu + 4 Yatay Tezgah - Orta Grup Hadde
4 Yatay Tezgah - Finiş Grubu + 2 Soğutma Platformu ve 2 Paketleme Alanı
10 Horizontal Stands Roughing Mill Group + 4 Horizontal Stands Middle Mill Group
4 Horizontal Stands Finishing Mill Group + 2 Cooling Beds and 2 Packing Area
- Sıcak Haddeleme ve Havada Soğuma / Hot Rolled Air Cooling
- Sıcak Haddeleme Esnasında Isıl İşlem Uygulaması (Tempcore Sistem)
Quenching Self Tempering Application (Tempcore System)





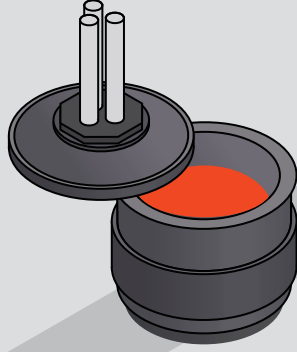
YAZICI DEMİR ÇELİK

YAZICI IRON & STEEL



01

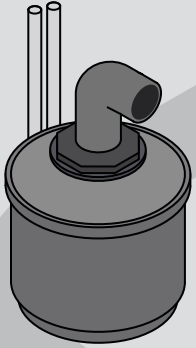
Hammadde Hazırlanması (Hurda Metal)
Raw Material Preparation (Scrap Metal)



02

Elektrik Ark Ocağı (EAO)
Electric Arc Furnace (EAF)

Marka/Model: ABB DC (78 MVA)
Kapasite / Capacity: 90 Mton



03

Pota Ocağı (PO)
Ladle Furnace (LF)

Marka/Model: BBC (13 MVA)
Kapasite / Capacity: 90 Mton

04

Sürekli Döküm
Continuous Casting

A- Marka/Model:

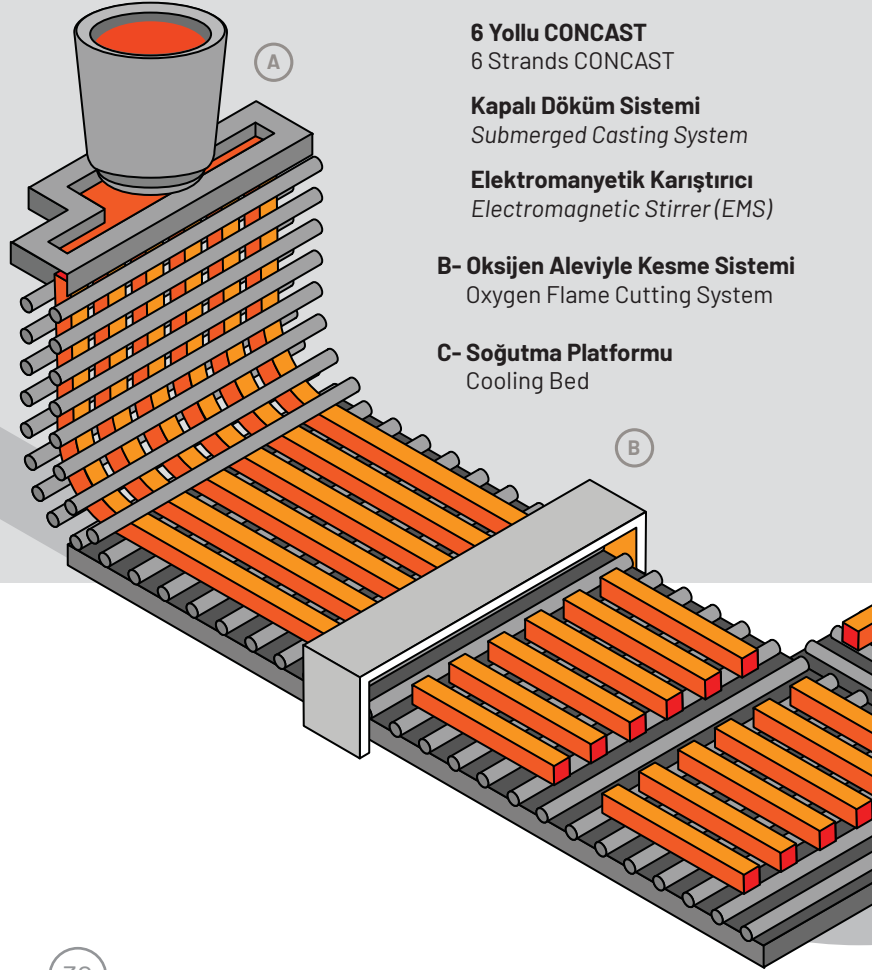
6 Yollu CONCAST
6 Strands CONCAST

Kapalı Döküm Sistemi
Submerged Casting System

Elektromanyetik Karıştırıcı
Electromagnetic Stirrer (EMS)

B- Oksijen Aleviyle Kesme Sistemi
Oxygen Flame Cutting System

C- Soğutma Platformu
Cooling Bed



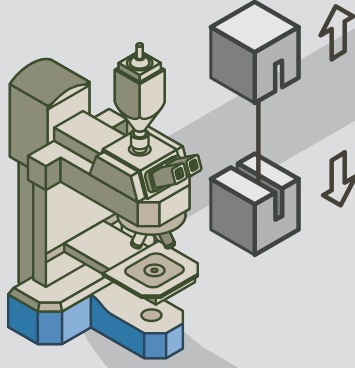
KAPASİTE / CAPACITY
920.424 t/y

ÇELİKHANE ÜRETİM HATTI MELT SHOP PRODUCTION LINE

06

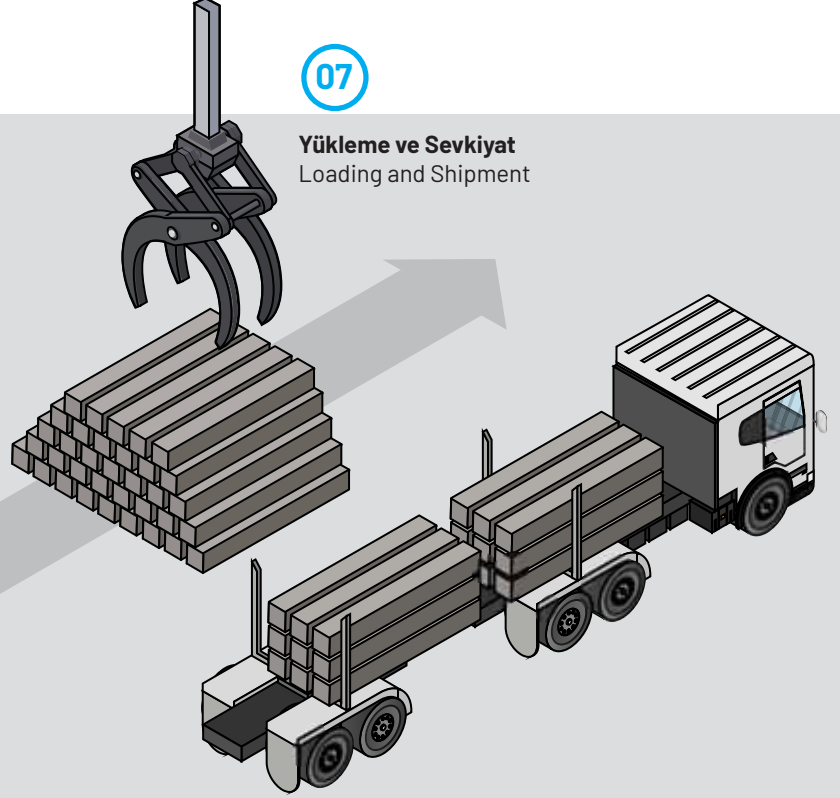
Kalite Kontrol Quality Control

Kimyasal ve Fiziksel Kontroller
Chemical and Physical Controls



07

Yükleme ve Sevkiyat Loading and Shipment

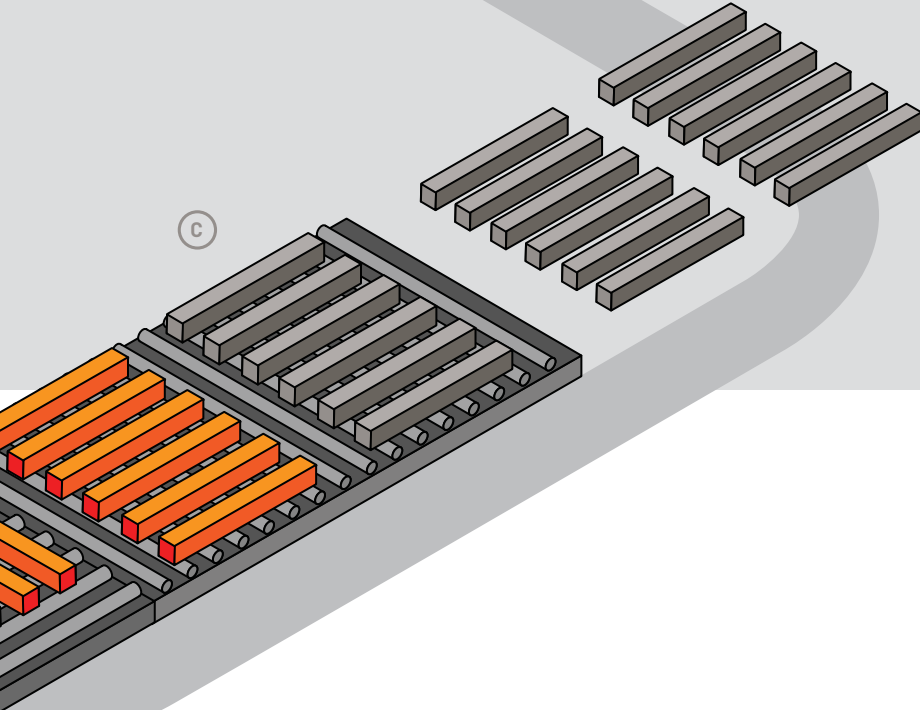


05

Kütük Billet

Kesit / Section: 100 x 100 mm - 140 x 140 mm
Boy / Length: 4,5 m - 14 m

C



YAZICI DEMİR ÇELİK

YAZICI IRON & STEEL

01

Kütük
Billet

Kesit / Section:
130 x 130 mm - 140 x 140 mm
Boy / Length: 14 m

02

İtmeli Tip Tavlama Fırını
Pusher Type Reheating Furnace

Marka/Model: FIVE STEIN
Kapasite / Capacity: 180 t/s (t/h)

03

Tufal Temizleme Ünitesi
Descaler Unit

04

Kaba Hadde Grubu
Roughing Mill Group

10 Yatay Tezgah
10 Horizontal Stands

05

Orta Hadde Grubu
Intermediate Mill Group

4 Yatay Tezgah
4 Horizontal Stands

06

Finiş Hadde Grubu (Loop Kontrollü - 2 Ünite)
Finishing Mill Group (Loop Controlled - 2 Units)

4 Yatay Tezgah (Her Grup)
4 Horizontal Stands (Each Group)

07

Ara Uçar Makas
(2 Adet)
Intermediate Flying
Shear (2 Units)

KAPASİTE / CAPACITY
1.025.568 t/y

ÇUBUK HADDEHANE ÜRETİM HATTI REBAR ROLLING MILL PRODUCTION LINE

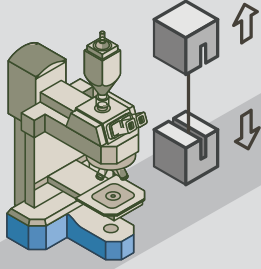
Tamamen Sürekli 2 Yollu Haddehane
Fully Continuous 2 Strand Rolling Mill

Sıcak Haddelme ve Havada Soğuma
Hot Rolling and Air Cooling

14

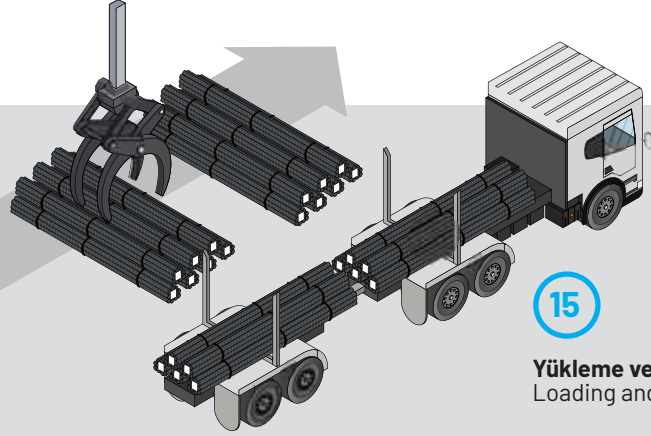
Kalite Kontrol Quality Control

Kimyasal ve Fiziksel Kontroller
Chemical and Physical Controls



15

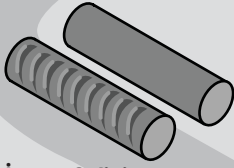
Yükleme ve Sevkiyat Loading and Shipment



13

Çelik Çubuk – İnşaat Çeliği (Nervürlü veya Düz Yüzeyle) Steel Bar – Rebar (Deformed or Plain)

Çap / Diameter: 8 mm – 50 mm
Boy / Length: 6 m – 18 m

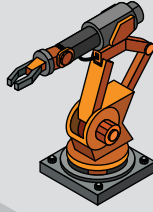


12

Etiketleme Labelling

Robot Kol ile Paketlenmiş
Çubukların Son Kontrolleri
ve Etiketlenmesi

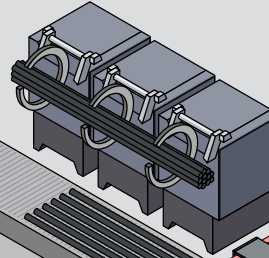
Final Control and Labelling
of Bundled Rods with
Robotic Arm



11

Paketleme Alanı (2 Adet) Packing Area (2 Units)

Otomatik Demetleme ve Bağlama
Sistemi
Automatic Bundling and Binding
System



10

Soğuk Finiş Makas Final Cold Shear



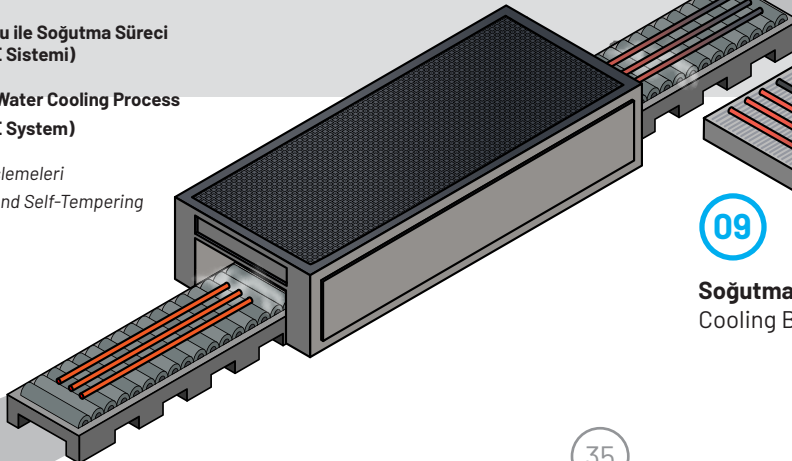
08

Isıl İşlem Hattı Heat Treatment Line

Kontrollü, Su ile Soğutma Süreci
(TEMPCORE Sistemi)

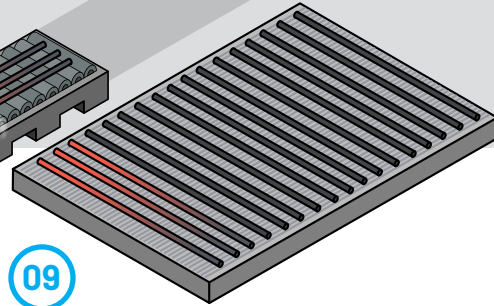
Controlled Water Cooling Process
(TEMPCORE System)

Çelik Islah İşlemleri
Quenching and Self-Tempering



09

Soğutma Platformu (2 Adet) Cooling Bed (2 Units)



ÇELİKHANE LABORATUVAR - KALİTE KONTROL

DİLER DEMİR ÇELİK ve YAZICI DEMİR ÇELİK

A- ÇELİKHANEDE ÜRETİM KONTROLU

Çelikhane Kalite Kontrol Laboratuvarı tarafından, üretilen ürünlere ait kimyasal ve fiziksel kontroller yapılmaktadır.

B- ÇELİKHANE KALİTE KONTROL KİMYA LABORATUVARI

Kimya Laboratuvarımızda,

- Çelikhane girdilerinin kontrolü (Ferro Alyaj, Antrasit, Kireç, Florit, Alüminyum, Refrakter)
- Yarımamul kütük üretim prosesinde fiziksel (Boy, Boyut, Rombiklik ve Eğrilik), kimyasal ve kalıntı kontrolleri
- Tel-Çubuk Haddehanesi için alınan ithal kütüklerde fiziksel ve kimyasal kontroller yapılmaktadır.

Kontrol ve test sonuçları, standartlarımız ile müşteri talep ve beklentileri doğrultusunda değerlendirildikten sonra ürünlerimiz sevk edilmektedir.

Kimya Laboratuvarımızda kullanılan muayene, test ve ölçüm cihazlarımız;

- Thermo - ARL marka Optik Emisyon Spektrometre Cihazları (3460 ve 4460 Model)
- Azot, Oksijen ve Hidrojen Tayin Cihazı (LECO TCH600 Model)
- Karbon - Kükürt Tayin Cihazı (Üniversal Model)
- XRF Cihazı - Thermo - ARL OMTIM X ve HERZOG Marka Pres ve Öğütücü Makineleri
- Metalografik Numune Hazırlama Cihazı
- Kül Fırını ve Elektronik Teraziler

Kimya Laboratuvarımızda kullanılan Optik Emisyon Spektrometreleri ve XRF Cihazlarının ölçüm sonuçları sürekli olarak Uluslararası geçerliliği olan Standart Numuneler ile doğrulukları kontrol edilmektedir.



STEEL MAKING PLANT LABORATORY & QUALITY CONTROL

DILER IRON & STEEL and YAZICI IRON & STEEL

A- STEEL MAKING PLANT PRODUCTION CONTROL

Chemical and physical controls of the manufactured products are carried out by the Plant Quality Control Laboratory.

B- STEEL MAKING PLANT CHEMISTRY LABORATORY

In Our Chemistry Lab,

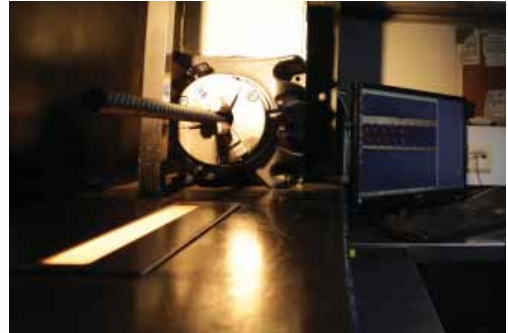
- Controlling the incomings of steel-making plant
- Physical (length, shape, rhomboidity), chemical and impurity controls of semi-finished products
- Chemical and physical controls of the billets which was imported for wire rod rolling plant

Inspection and test results are being evaluated in terms of our standards, customers demands and expectations, than our products are shipped in this way.

Our equipment in Chemical Laboratory:

- 2 Optical emission Equipment, Thermo-ARL brand spectrometer (3460 ve 4460 Model)
- 1 Nitrogen, Oxygen and Hydrogen Determination Equipment, LECO TCHH600
- 1 Carbon - Sulphure Determination Equipment (Universal Model)
- 2 Electronical Scale
- 1 XRF - Thermo ARL, Press and Grinder OMTIM X and HERZOG Brands
- 1 Materialographic Specimen Preparation Equipment
- 1 Mounting Products and 3 Crematorium

Our optical emission spectrometers and XRF Equipments results are checking constantly with standart specimens which are internationally validated.



DİLER FİLMAŞİN HADDEHANE LABORATUVAR - KALİTE KONTROL



A- HADDEHANEDE ÜRETİM KONTROLÜ

Haddehane Kalite Kontrol Laboratuvarı tarafından, üretilen ürünlere ait mekanik testler yapılmaktadır.

B- KALİTE KONTROL METALOGRAFİK VE MEKANİK TEST LABORATUVARI

Haddelenen kütükler son mamül haline getirildiği zaman tekrar bazı test ve muayenelere tabi tutulmaktadır.

Mekanik Test Laboratuvarımızda kullanılan muayene, test ve ölçüm cihazlarımız;

- Çekme test cihazları (ZWICK Marka)
- Rockwell Sertlik ölçme cihazı, EMCO TEST Marka
- Nervür izdüşüm cihazı, RM 302 Marka
- Kangal numunesi doğrultma makinası
- Bükme ve geri bükme test makinaları
- Özel Markalama cihazı (% Uzama ve % Ağırlık ölçümleri için)
- 2x optik mikroskop (ZEISS ve OLYMPUS)
- 2X stereo mikroskop (ZEISS VE NİKON)
- Universal sertlik ölçüm cihazı (EMCO TEST)
- 2x Otomatik zımparalama-Parlatma cihazı (STRUERS)
- Manuel zımparalama ve parlatma cihazı
- 2x bakalite alma cihazı
- ETÜV fırını (TEST)
- Kül fırını (MAGMATHERM)
- 3x Abrasif kesme cihazı (2X STRUERS, 1X METKON)
- 1x Hassas kesme cihazı (STRUERS)
- Özdirenç ölçme cihazı
- Fıçılama testi cihazı
- Yüzey kaplama cihazı
- SEM (HITACHI SU 7000)

Metalografik ve Mekanik Test

- Çekme ve akma mukavemeti, % uzama, A_{gt} ve kesit daralmasının hesaplanması
- Nervür geometrisinin belirlenmesi
- Yüzey kontrolü için EN 10263-1 standardına göre şişirme testi yapılması
- Yüzey ve İç yapı kontrolü için Bükme ve Geri bükme testlerinin yapılması
- % Tufal miktarı tespitinin yapılması
- Mikroyapı analizi
- Dekarbürizasyon derinliğinin tayini
- Mikrotemizlik sayımı
- Tane büyüklüğü
- Östenit tane büyüklüğü
- Küreselleşme Oranın Tayini
- Hasar analizi
- Tane sınırlarında sementit çökmesi tayini
- Numune yüzey incelemeleri
- Segregasyon testi
- Merkez sertleşebilirlik testi
- Östenit tane büyüklüğü testi
- Sertlik ölçümleri
- Özdirenç testi
- Çelik numunelerinin içeriğindeki elementlerin konsantrasyon tayini
- EDS Analizi
- EBSD Analizi



DILER WIRE ROD ROLLING MILL LABORATORY & QUALITY CONTROL

A- ROLLING MILL PRODUCTION CONTROL

Metallographic and Mechanical Tests.

B- QUALITY CONTROL METALLOGRAPHY AND MECHANICAL TEST LABORATORIES

After hot rolling operation, final products are being tested and analysed.

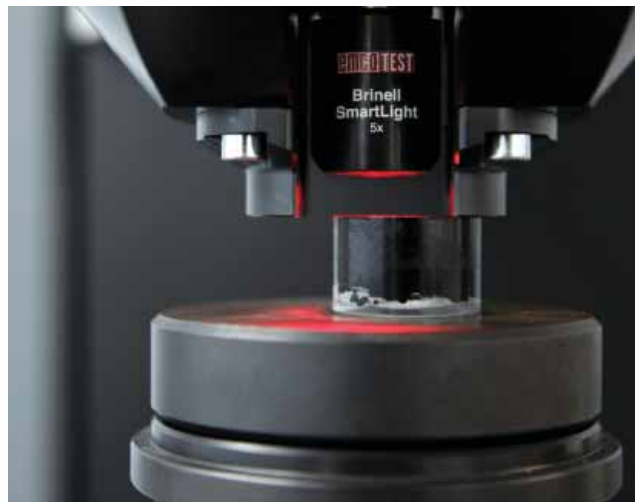
Test and Measurement Equipments in our Mechanical Test Laboratory

- Tensile Test Device (ZWICK)
- Rockwell Hardness measurement device, EMCO TEST
- Rib projection device, RM 302
- Coil specimen straightening machine
- Bend and rebend test machine
- Special marking device (% Elongation and %Agt)
- 2x Optical microscope (ZEISS / OLYMPUS)
- 2x Stereo microscope (ZEISS / NIKON)
- Universall hardness measurement device (EMCO TEST)
- 2x Automatic grinding and polishing device (STRUERS)
- 2x Manuel grinding and polishing device (STRUERS / METKON)
- Drying oven (TEST)
- Muffle furnace (MAGMATHERM)
- 3x Abrassive cutting machine (2X STRUERS, 1X METKON)
- Precision cutting machine (STRUERS)
- Resistivity measuring device
- Upset test device
- Sputter coating device
- SEM (HITACHI SU 7000)



Metallography And Mechanical Test Laboratories

- Measurement of mechanical properties (yield & tensile strength, % elongation and % Agt)
- Determination of rib geometry
- Upset test according to EN 10263-1 standard for surface inspection
- Bending and rebending tests for surface and internal structure control
- Determination of % scale amount
- Microstructure analysis
- Determination of decarburization depth
- Micro cleaning
- Grain size
- Austenite grain size
- Determination of spheroidization rate
- Failure analysis
- Determination of grain boundaries cementite
- Specimen surface controls
- Segregation test
- Center hardenability test
- Austenite grain size test
- Hardness measurements
- Electrical resistance and resistivity test
- Determination of chemical analyses of steel samples
- EDS Analysis
- EBSD Analysis



DİLER RECEP SAMİ YAZICI ÜRÜN GELİŞTİRME MERKEZİ



Ürün Geliştirme Merkezi'nde yeni ürün ve kalite iyileştirme çalışmaları yapılmaktadır. Yapılan çalışmalar çelik kütük, yuvarlak yapı çelikleri, özel kalite tel-çubuk, ön gerimli beton demeti nihai ve yarı mamulleri kapsamaktadır. Ürün geliştirme merkezinde bulunan ekipmanlar yerleşik olduğu sanayi bölgesindeki en donanımlı ekipmanlar olup, her türlü malzemeler için yapılacak ileri seviye incelemelere olanak sağlamaktadır.

Ürün Geliştirme Merkezimizde yapılan testler ve çalışmalar;

- Detaylı hasar analizi çalışmaları ve raporlamaları
- Mikroyapı analizi
- Dekarbürizasyon derinliğinin tayini
- Mikrotemizlik sayımı (Zeiss otomatik tablalı optik mikroskop ve Hitachi SU 7000 Elektron mikroskobu EDS-EBSD ile değerlendirme)
- Tane büyüklüğü (Elektron mikroskobu ve EBSD senkronizasyonu ile hassas tayin)
- Östenit tane büyüklüğü (Elektron mikroskobu ve EBSD senkronizasyonu ile hassas tayin)
- Küreselleşme Oranın Tayini
- Tane sınırlarında sementit çökmesi tayini
- Numune yüzey incelemeleri
- Segregasyon testi
- Kalıntı östenit tespiti
- Çelik temizliği değerlendirmeleri (Elektron mikroskobu EDS ve EBSD analizleri ile değerlendirme)
- Pilot ölçekli tel-çubuk asitle temizleme ve fosfat kaplama deneyleri

Kimya Laboratuvarımızda kullanılan muayene, test ve ölçüm cihazlarımız;

- ZEISS otomatik Tablalı Optik Mikroskop
- ZEISS Stereo Mikroskop
- STRUERS Otomatik Zımparalama ve Parlatma cihazı
- STRUERS Manuel Zımparalama ve Parlatma cihazı
- STRUERS İki Hazneli Bakalite Alma Cihazı
- ETÜV Fırını (TEST)
- Çeker Ocak
- STRUERS Abrasif Kesme Cihazı
- STRUERS Hassas Kesme Cihazı
- Numune Yüzey Kaplama Cihazı
- HITACHI SU 7000 Model Taramalı Elektron Mikroskobu (SEM)
- OXFORD Ultimax 100 EDS Cihazı (Energy Dispersive Spectrometry)
- OXFORD Symmetry S2 EBSD Cihazı (Electron Backscatter Diffraction)

DILER RECEP SAMİ YAZICI PRODUCT AND DEVELOPMENT CENTER

New product development and quality improvement activities are done in Product Development center. These activities are covered steel billets, concrete steel bars, special quality wire-rod, prestressed concrete strand , finished products and semi-products. Testing equipments which are located in Product Development Center are featured devices in Industrial zone which is located Diler Recep Sami Yazıcı Product development center. These equipments are provided to advanced investigation for all kind of materials.

Inspection, testing and measurement devices in Product Development Center;

- ZEISS Optic Microscope with Automated Table
- ZEISS Stereo Microscope
- STRUERS Automatic Grinding and Polishing Device
- STRUERS Manuel Grinding and Polishing Device
- STRUERS Mounting Device
- Drying Oven (TEST)
- Fume cupboard
- STRUERS Abrasive Cutting Device
- STRUERS Precision Cutting Device
- Coating device for Sample Surface
- HITACHI SU 7000 Model Scanning Electron Microscope (SEM)
- OXFORD Ultimax 100 EDS Device (Energy Dispersive Spectrometry)
- OXFORD Symmetry S2 EBSD Device (Electron Backscatter Diffraction)





Testing and activities in Product Development Center;

- Failure analyses and reporting
- Microstructure analyses
- Determination of Decarburization Depth
- Microcleaning (Applied with Zeiss automated table optic microscope and evaluated with Hitachi Scanning Electron Microscope- EDS and EBSD)
- Grain Size Measurement (Sensitive determination with Scanning Electron Microscope synchronization EBSD)
- Austenite Grain Size Measurement (Sensitive determination with Scanning Electron Microscope synchronization EBSD)
- Determination of grain boundaries cementite
- Determination of spheroidization rate
- Investigation of sample surface
- Segregation test
- Determination of Retained Austenite Grain
- Evaluation of Steel Cleanliness (Sensitive determination with Scanning Electron Microscope synchronization EDS and EBSD)
- Pilot experiment for Pickling and Zinc phosphate Coating of Steel Wire-rod



LİMAN İŞLETMELERİ

PORT OPERATIONS

DİLER LİMAN

DILER PORT

Limanımız; DİLER DEMİR ÇELİK ENDÜSTRİ VE TİCARET A.Ş. LİMAN TESİSLERİ, Kocaeli Derince Gümrük Müdürlüğüne bağlı; Hereke'de hizmet vermekte olup, yıllık 6.000.000 tonluk kuru yük kapasitesine sahip, yükleme-boşaltma, depolama ve gümrük hizmetleri sunmaktadır. Derince Gümrük Müdürlüğüne bağlı, 4.080 m² Kapalı Genel Antrepolarımız, 3.108 m² Kapalı Geçici Depolama Alanlarımız ve 30.893 m² Açık Geçici Depolama Alanına sahiptir.

Limanımıza aynı anda her biri 70.000 tonluk 2 adet ve her biri 10.000 tonluk 6 adet kuru yük gemisi yanaşabilmektedir.

7 adet iskeleye sahip olan limanımızda, toplam iskele uzunluğu 965 metredir.

Limanımızda, yükleri kontrol edebilen Türkiye Atom Enerjisi Kurumu onaylı radyasyon ölçüm cihazı mevcuttur. Radyasyonla ilgili denetimlerimiz 24 saat boyunca anlaşmalı akretide edilmiş kurum tarafından kontrol edilmektedir.



LİMAN İŞLETMELERİ

PORT OPERATIONS

Our port; DILER IRON & STEEL INDUSTRY AND TRADE INC. PORT FACILITIES, affiliated to Kocaeli Derince Customs Directorate; It provides service in Hereke and offers loading-unloading, storage and customs services with an annual dry cargo capacity of 6,000,000 tons. It has 4,080 m² Closed General Warehouses, 3,108 m² Closed Temporary Storage Areas and 30,893 m² Open Temporary Storage Area, affiliated to Derince Customs Directorate.

Two dry cargo ships of 70,000 tons each and 6 dry cargo ships of 10,000 tons each can approach our port at the same time.

In our port, which has 7 piers, the total pier length is 965 meters.

In our port, there is a radiation measurement device approved by the Turkish Atomic Energy Agency that can control the cargoes. Our radiation-related inspections are controlled by a contracted accredited institution for 24 hours.





LİMAN İŞLETMELERİ

PORT OPERATIONS

İSKENDERUN LİMAN

ISKENDERUN PORT





Limanımız; İskenderun Sariseki Organize Sanayi sınırları içerisinde içerisinde YAZICI DEMİR ÇELİK fabrikası ile entegre olarak hizmet vermektedir. Yıllık 8.000.000 ton kuru yük kapasitesine sahip olan tesisimiz, İskenderun Gümrük Müdürlüğüne bağlı olarak, yükleme-boşaltma, depolama ve gümrük hizmetleri sunmaktadır. Ayrıca liman tesisimiz, 1.125 m² Kapalı Genel Antrepo, 182.000 m² Açık Geçici Depolama Alanına sahiptir.

Limanımız 19 metre su derinliği ile capesize kuru yük gemileri dahil her boyutta kuru yük gemisinin yanaşabilmesine uygundur.

İki adet iskelede toplam 10 adet yanaşma rıhtımına sahip olan limanımızda, toplam iskele uzunluğu 1.400 metredir.

Limanımızda, yükleri kontrol edebilen Türkiye Atom Enerjisi Kurumu onaylı radyasyon ölçüm cihazı mevcuttur.

Our port; It provides integrated service with YAZICI IRON STEEL factory throughout the Iskenderun Sariseki Organized Industry. Our facility, which has a high load of 8,000,000 tons per year, provides loading-unloading, storage and customs services under the Iskenderun Directorate. In addition, our port facility has 1,125 m² Closed General Warehouse and 182,000 m² Open Temporary Storage Area.



Our port is suitable for berthing of any size dry cargo vessel, including capesize dry cargo vessels, with a water depth of 19 meters.

The total pier length is 1,400 meters in our port, which has 10 berthing berths in two piers.

In our port, there is a radiation measurement device approved by the Turkish Atomic Energy Agency that can control the loads.

HOLDİNG TARİHÇESİ

HOLDING HISTORY

1949

Yazıcı Demir Çelik Karabük'te kuruldu.

Yazıcı Iron & Steel was established in Karabuk.

1954

Diler Demir Çelik Karabük'te haddehane açtı ve üretime başladı.

Diler Iron & Steel established a rolling mill in Karabuk and the production was begun.

1978

Diler Demir Çelik Gebze Dilovası'na çelikhane ve çubuk haddehanesi açtı. 108.000m² toplam alan içine, 63.500m² kapalı alana fabrika kuruldu.

Diler Iron & Steel established steel mill and bar rolling mill for Gebze Dilovasi. The factory was established in a closed area of 63,500m² into a total area of 108,000m².

1984

İhracata yönelik olarak, İstanbul'da Diler Dış Ticaret A.Ş. açıldı.

For export, Diler Foreign Trade INC. was established.

1993

Yazıcı Demir Çelik İskenderun Sarıseki bölgesine çelikhane ve çubuk haddehanesi açtı. Fabrika 500.000m² toplam alan içinde 70.000m² kapalı alana kuruldu.

Yazıcı Iron & Steel has established steel mill and bar rolling mill in Iskenderun-Sariseki district. The factory was established in a closed area of 70,000m² in a total area of 500,000m².



2008

Diler Demir Çelik Dilovası'na ilave yatırımla filmaşın çubuk haddehanesi açtı. 112.000 m² toplam içine, 40.000 m² kapalı alan olarak fabrika kuruldu.

Diler Iron & Steel has established a wire rod rolling mill with additional investment in Dilovasi. The factory was established as a closed area of 40,000 m² into a total of 112,000 m².

2008

Belek / Antalya'da Cornelia Diamond Golf Resort & Spa Hotel açıldı.

Cornelia Diamond Golf Resort & Spa Hotel was established in Belek, Antalya.

2010

Antalya'da DİM Hidroelektrik Santrali açıldı.

DİM Hydroelectric Power Plant was established in Antalya.

2014

Atlas Enerji Üretim A.Ş. İskenderun Termik santrali devreye girdi.

Atlas Energy Production INC. Iskenderun Thermal power plant 2x600 MWatt was established.

2014

Diler Denizcilik Sanayi ve Ticaret A.Ş. açıldı.

Diler Shipping Industry and Trade Inc. was established.

1998

Diler Yatırım Bankası açıldı.

Diler Investment Bank was established.

2002

Belek Antalya'da Cornelia De Luxe Resort oteli açıldı.

Cornelia De Luxe Resort hotel was established in Belek, Antalya.

2003

Faruk Denizcilik Sanayi ve Ticaret A.Ş. açıldı.

Faruk Shipping Industry and Trade Inc. was established..

2005

Diler Elektrik Üretim A.Ş. açıldı.

Diler Electricity Generation Inc. was established.

2008

Atlas Enerji Üretim A.Ş. kuruldu.

Atlas Energy Production INC. was established.



2016

Diler Demir Çelik Filmaşın Çubuk Haddehanesi Modernizasyonu yapıldı.

Modernization of Diler Iron & Steel Wire Rod Bar Mill.

2018

Çan Tipi Filmaşın Tavlama Fırınları devreye alındı.

Bell Type Wire Rod Annealing Furnaces was established.

2019

DNA PC Strand Diler Holding bünyesinde kuruldu.

DNA PC Strand was established as a division of Diler Holding.

2022

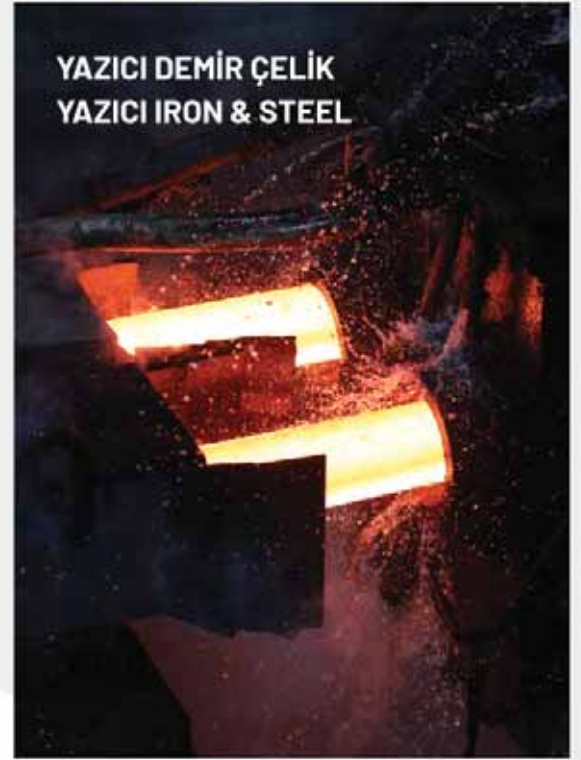
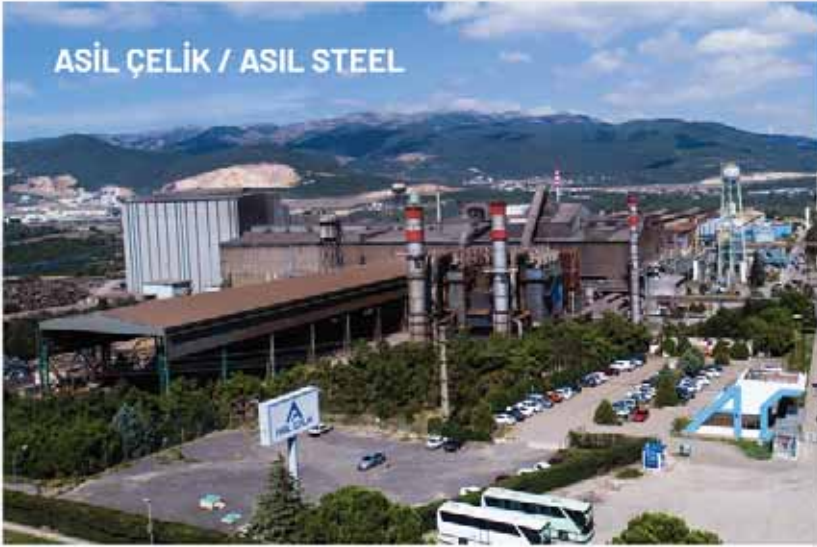
Diler Recep Sami Yazıcı Ürün Geliştirme Merkezi Diler Holding bünyesinde kuruldu.

Diler Recep Sami Yazıcı Product and Development Center was established as a division of Diler Holding.

HOLDİNG ŞİRKETLERİ

HOLDING COMPANIES

DEMİR ÇELİK
IRON & STEEL





ENERJİ
ENERGY

TURİZM
TOURISM



LİMAN İŞLETMELERİ
PORT OPERATIONS

SERTİFİKALAR

CERTIFICATES

DİLER DEMİR ÇELİK

DILER IRON & STEEL

- UK CARES – ISO 9001:2015 QUALITY MANAGEMENT SYSTEM CERTIFICATION
- SGS – ISO 9001:2015 QUALITY MANAGEMENT SYSTEM CERTIFICATION
- TSE – ISO 9001:2015 QUALITY MANAGEMENT SYSTEM CERTIFICATION
- UK CARES – ISO 45001:2018 ACCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATION
- UK CARES – ISO 14001:2015 ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATION
- SGS – ISO 50001:2018 ENERGY MANAGEMENT SYSTEM CERTIFICATION
- SGS – ISO 27001:2013 INFORMATION SECURITY MANAGEMENT SYSTEM
- TSE – COVID-19 GÜVENLİ ÜRETİM BELGESİ
- UK CARES – SUSTAINABLE CONSTRUCTIONAL STEEL (SCS)
- TSE – COVID-19 GÜVENLİ ÜRETİM BELGESİ (FİLMAŞIN)
- UK CARES – BES 6001
- SGS – IATF 16949 OTOMOTIV KALİTE YÖNETİM SİSTEMİ

ÜRÜN UYGUNLUK BELGESİ

Product Conformity Certification

- TSE – TS 9016
- TSE – TS 9914
- TSE – TS 708
- TSE – TS 708 (FİLMAŞIN)
- UK CARES – PRODUCT CONFORMITY CERTIFICATION BS 4449
- UK CARES – PRODUCT CONFORMITY CERTIFICATION SS 560
- FRANSA – AFCAB
- ROMANYA – QUALITAS
- BULGARKONTROLA 3496 (B235)
- BULGARKONTROLA 3497 (B420B)
- BULGARKONTROLA 3498 (B500B)
- BULGARKONTROLA 3499 (B500C)
- DUBAI BS 4449
- İTALYA – (B450C)
- İSRAİL – (SI 4466)

- MALEZYA – SIRIM (MS 146:2014)
- ALMANYA – DAKKS
- ALMANYA – DAKKS
- AVUSTRALYA – ACRS
- AVUSTRALYA – ACRS (FİLMAŞIN)
- UK CARES – CS2
- TSE – TS 13242 AGREGA
- TSE – TS 12620 AGREGA
- TSE – TS 13043 AGREGA
- TSE – AGREGA CE BELGESİ

YAZICI DEMİR ÇELİK

YAZICI IRON & STEEL

- TS EN ISO 9001 – 2015
- TS EN ISO 14001 – 2015
- TS OHSAS 18001 – 2009
- CARES BS EN ISO 9001 2015
- CARES BS EN ISO 14001 2015
- CARES OHSAS 18001 2007
- CARES Sustainable Reinforcing Steel Certification
- SGS ISO 9001 2015

ÜRÜN UYGUNLUK BELGESİ

Product Conformity Certification

- Türk Standartlarına Uygunluk Belgesi TSE Türkiye
- UK CARES İngiltere BS 4449 2005 Grade B500B Bar 8 to 40 mm
- The Standarts Institution of Israel
- Certif A 400 / A 500 – Portugal
- Labor fur Stahl – Germany
- Komo B500B – Netherland
- DCL BS 4449:2005+A3 – Dubai
- CARES SS560 – Singapore
- MS146 – Malaysia
- HONG KONG CS 2:2012 Grade 500B Bar 8 to 50mm
- RUSYA GOST P 52544 A500C-A600C-A600S

DİLER DEMİR ÇELİK DILER IRON & STEEL

CERTIFICATE OF APPROVAL

Quality Management System Certification

This is to certify that **Diler Iron and Steel Co Inc** at its establishment at **DİLOVASI ORGANİZE SANAYİ BÖLGESİ, 1.KISIM, DİCLE CD. NO:30, DİLOVASI, KOCAELİ, 41455, Turkey** has been approved by the Authority to the following management system standard using the processes and procedures registered with the Authority.
BS EN ISO 9001:2015
Scope of certification:
 Production of continuously cast steel billets
 Production of hot rolled steel bar and coil

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority. This certificate is uncontrolled when printed. To check the validity of this certificate please visit www.ukas.com or contact us on +44 1752 450000.

ISSUE DATE	RENEWAL DATE	VALID UNTIL	EXPIRES DATE
1992	04 October 2001	04 August 2020	04 April 2023

UKAS

DİLER DEMİR ÇELİK ENDÜSTRİ VE TİCARET A.Ş.
 Diler Organize Sanayi Bölgesi, 1. Kısım, Dicle Cd. No:30, Dilovası, Kocaeli, Türkiye

ISO 9001:2015

SGS

UKAS

SGS

KALİTE YÖNETİM SİSTEMİ BELGESİ
 QUALITY MANAGEMENT SYSTEM CERTIFICATE

DİLER DEMİR ÇELİK ENDÜSTRİ VE TİCARET A.Ş.

ISO 9001:2015

SGS

UKAS

SGS

CERTIFICATE OF APPROVAL

Occupational Health and Safety Management System Certification 45001

This is to certify that **Diler Iron and Steel Co Inc** at its establishment at **DİLOVASI ORGANİZE SANAYİ BÖLGESİ, 1.KISIM, DİCLE CD. NO:30, DİLOVASI, KOCAELİ, 41455, Turkey** has been approved by the Authority to the following Management System standard using the processes and procedures registered with the Authority.
BS ISO 45001:2018
Scope of certification:
 Production of continuously cast steel billets
 Production of hot rolled steel bar and coil

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority. This certificate is uncontrolled when printed. To check the validity of this certificate please visit www.ukas.com or contact us on +44 1752 450000.

ISSUE DATE	RENEWAL DATE	VALID UNTIL	EXPIRES DATE
1693	02 November 2019	02 November 2019	02 November 2022

UKAS

CERTIFICATE OF APPROVAL

Environmental Management System Certification

This is to certify that **Diler Iron and Steel Co Inc** at its establishment at **DİLOVASI ORGANİZE SANAYİ BÖLGESİ, 1.KISIM, DİCLE CD. NO:30, DİLOVASI, KOCAELİ, 41455, Turkey** has been approved by the Authority to the following Management System standard using the processes and procedures registered with the Authority.
BS EN ISO 14001:2015
Scope of certification:
 Production of continuously cast steel billets
 Production of hot rolled steel bar and coil

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority. This certificate is uncontrolled when printed. To check the validity of this certificate please visit www.ukas.com or contact us on +44 1752 450000.

ISSUE DATE	RENEWAL DATE	VALID UNTIL	EXPIRES DATE
1358	15 November 2010	15 May 2020	15 May 2023

UKAS

This is a transition of certificate. N° 1911080261

DİLER DEMİR ÇELİK END. VE TİC. A.Ş.

ISO 14001:2015

SGS

UKAS

SGS

DİLER DEMİR ÇELİK END. VE TİC. A.Ş.

ISO/IEC 27001:2013

SGS

UKAS

SGS

TSE COVID-19 GÜVENLİ ÜRETİM BELGESİ

TSE

TEKİR STANDARTLARI ENSTİTÜSÜ

TSE

CERTIFICATE OF APPROVAL

Sustainable Constructional Steel (SCS) scheme certification

This is to certify that **Diler Iron and Steel Co Inc** at its establishment at **DİLOVASI ORGANİZE SANAYİ BÖLGESİ, 1.KISIM, DİCLE CD. NO:30, DİLOVASI, KOCAELİ, 41455, Turkey** has been approved by the Authority to the CARES sustainable constructional steel scheme for the following operational assessment schedule using the processes and procedures registered with the Authority. The scheme complies with BS 8902:2009
CARES Sustainability Scheme Appendix 01
Scope of certification:
 Production of continuously cast steel billets
 Production of hot rolled steel bar and coil for the reinforcement of concrete

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority. This certificate is uncontrolled when printed. To check the validity of this certificate please visit www.ukas.com or contact us on +44 1752 450000.

ISSUE DATE	RENEWAL DATE	VALID UNTIL	EXPIRES DATE
1372	04 April 2011	08 July 2020	08 July 2023

UKAS

TSE COVID-19 GÜVENLİ ÜRETİM BELGESİ

TSE

TEKİR STANDARTLARI ENSTİTÜSÜ

TSE

CERTIFICATE OF APPROVAL

Responsible Sourcing of construction products

This is to certify that **Diler Iron and Steel Co Inc** at its establishment at **DİLOVASI ORGANİZE SANAYİ BÖLGESİ, 1.KISIM, DİCLE CD. NO:30, DİLOVASI, KOCAELİ, 41455, Turkey** has been approved by the Authority to the requirements of BS56001 Issue 3.1 using the processes and procedures registered with the Authority. This Responsible Sourcing certification has been carried out under license using BRE Responsible Sourcing scheme methodology scheme documentation and underpinning processes. The scoring table is shown in a separate appendix to this certificate.
BS 56001 Issue 3.1
Scope of certification:
 Production of continuously cast steel billets
 Production of hot rolled steel bar and coil

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority. This certificate is uncontrolled when printed. To check the validity of this certificate please visit www.ukas.com or contact us on +44 1752 450000.

ISSUE DATE	RENEWAL DATE	VALID UNTIL	EXPIRES DATE
1460	02 September 2016	02 September 2019	02 September 2022

UKAS

Diler Demir Çelik Endüstri ve Ticaret A.Ş.

IATF 16949:2016

SGS

UKAS

SGS

Diler Demir Çelik Endüstri ve Ticaret A.Ş.

IATF 16949:2016

SGS

UKAS

SGS

DİLER DEMİR ÇELİK END. VE TİC. A.Ş.

IATF 16949:2016

SGS

UKAS

SGS

DİLER DEMİR ÇELİK END. VE TİC. A.Ş.

IATF 16949:2016

SGS

UKAS

SGS

SERTİFİKALAR CERTIFICATES

YAZICI DEMİR ÇELİK YAZICI IRON & STEEL

CERTIFICATE OF APPROVAL

Environmental Management System Certification

This is to certify that **Yazici Iron & Steel Co Inc** at its establishment at **Organize Sanayi Bölgesi, PK 61 Sariseki, Iskenderun , Turkey** has been approved by the Authority to the following Management System standard using the processes and procedures registered with the Authority.

BS EN ISO 14001:2015

Scope of certification:
Production of continuously cast steel billets
Production of hot rolled steel bar for the reinforcement of concrete

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority. This certificate is unconditional when printed. To check the validity of this certificate please visit www.ukas.com or contact us on +44 1752 450000.

CERTIFICATE NUMBER: **1251** | ISSUANCE DATE: **23 August 2018** | EXPIRES: **21 August 2021**

Sue Gidley
Sue Gidley
Director of Certification Authority for Environmental Schemes

CERTIFICATE OF APPROVAL

Occupational Health and Safety Management System Certification 45001

This is to certify that **Yazici Iron & Steel Co Inc** at its establishment at **Organize Sanayi Bölgesi, PK 61 Sariseki, Iskenderun , Turkey** has been approved by the Authority to the following Management System standard using the processes and procedures registered with the Authority.

BS ISO 45001:2018

Scope of certification:
Production of continuously cast steel billets
Production of hot rolled steel bar for the reinforcement of concrete

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority. This certificate is unconditional when printed. To check the validity of this certificate please visit www.ukas.com or contact us on +44 1752 450000.

CERTIFICATE NUMBER: **1731** | ISSUANCE DATE: **07 October 2020** | EXPIRES: **07 October 2023**

Sue Gidley
Sue Gidley
Director of Certification Authority for Environmental Schemes

CERTIFICATE OF APPROVAL

Product Conformity Certification - BS 4449 and/or related products

This is to certify that **Yazici Iron & Steel Co Inc** at its establishment at **Organize Sanayi Bölgesi, PK 61 Sariseki, Iskenderun , Turkey** has certified the Authority that it operates a quality management system that complies with the requirements of BS EN ISO 9001 and the relevant CARES Quality and Operations Assessment Schedule. Where appropriate, and as listed below, it has further certified the Authority that it manufactures and/or supplies products that conform with the stated product standards and is entitled to use the CARES marks on its products using the processes and procedures registered with the Authority.

Scope of certification:
BS 4449 2005 Grade B500C Bar 8 to 40mm
BS 4449 2005 Grade B500B Bar 8 to 50mm

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority. This certificate is unconditional when printed. To check the validity of this certificate please visit www.ukas.com or contact us on +44 1752 450000.

CERTIFICATE NUMBER: **98101** | ISSUANCE DATE: **November 1998** | EXPIRES: **31 December 2021**

Sue Gidley
Sue Gidley
Director of Certification Authority for Environmental Schemes

CERTIFICATE OF APPROVAL

Product Conformity Certification - CS 2 | Page 1 of 1

This is to certify that **Yazici Iron & Steel Co Inc** at its establishment at **Organize Sanayi Bölgesi, PK 61 Sariseki, Iskenderun , Turkey** has certified the Authority that it operates a quality management system that complies with the requirements of BS EN ISO 9001 and the relevant CARES Quality and Operations Assessment Schedule. Where appropriate, and as listed below, it has further certified the Authority that it manufactures and/or supplies products that conform with the stated product standards and is entitled to use the CARES marks on its products using the processes and procedures registered with the Authority.

Scope of certification:
CS 2:2012 Grade 500B Bar 8 to 50mm

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority. This certificate is unconditional when printed. To check the validity of this certificate please visit the above BS EN Code on the CARES Check App or contact us on +44 1752 450000.

CERTIFICATE NUMBER: **2006041** | ISSUANCE DATE: **June 2020** | EXPIRES: **24 February 2031** | EXPIRES: **31 December 2021**

Sue Gidley
Sue Gidley
Director of Certification Authority for Environmental Schemes

CERTIFICATE OF APPROVAL

Quality Management System Certification

This is to certify that **Yazici Iron & Steel Co Inc** at its establishment at **Organize Sanayi Bölgesi, PK 61 Sariseki, Iskenderun , Turkey** has been approved by the Authority to the following management system standard using the processes and procedures registered with the Authority.

BS EN ISO 9001:2015

Scope of certification:
Production of continuously cast steel billets
Production of hot rolled steel bar for the reinforcement of concrete

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority. This certificate is unconditional when printed. To check the validity of this certificate please visit www.ukas.com or contact us on +44 1752 450000.

CERTIFICATE NUMBER: **1083** | ISSUANCE DATE: **January 2001** | EXPIRES: **15 December 2020** | EXPIRES: **13 December 2023**

Sue Gidley
Sue Gidley
Director of Certification Authority for Environmental Schemes

CERTIFICATE OF APPROVAL

Responsible Sourcing of construction products | Rating: **GOOD**

This is to certify that **Yazici Iron & Steel Co Inc** at its establishment at **Organize Sanayi Bölgesi, PK 61 Sariseki, Iskenderun , Turkey** has been approved by the Authority to the requirements of BS6000 Issue 3.1 using the processes and procedures registered with the Authority. This Responsible Sourcing certification has been carried out under license using BRE's Responsible Sourcing scheme methodology, scheme documentation and underlying processes. The scoring table is shown in a separate appendix to this certificate.

BRE BS6000 Issue 3.1

Scope of certification:
Production of continuously cast steel billets and hot rolled steel bars for the reinforcement of concrete

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority. This certificate is unconditional when printed. To check the validity of this certificate please visit www.ukas.com or contact us on +44 1752 450000.

CERTIFICATE NUMBER: **1453** | ISSUANCE DATE: **July 2016** | EXPIRES: **13 May 2019** | EXPIRES: **13 May 2022**

Sue Gidley
Sue Gidley
Director of Certification Authority for Environmental Schemes

CERTIFICATE OF APPROVAL

Sustainable Constructional Steel (SC5) scheme certification | Rating: **B**

This is to certify that **Yazici Iron & Steel Co Inc** at its establishment at **Organize Sanayi Bölgesi, PK 61 Sariseki, Iskenderun , Turkey** has been approved by the Authority to the CARES sustainable constructional steel scheme for the following operational assessment schedule using the processes and procedures registered with the Authority. The scheme complies with BS 8902:2009.

CARES Sustainability Scheme Appendix 01

Scope of certification:
Production of continuously cast steel billets
Production of hot rolled steel bar for the reinforcement of concrete

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority. This certificate is unconditional when printed. To check the validity of this certificate please visit www.ukas.com or contact us on +44 1752 450000.

CERTIFICATE NUMBER: **1225** | ISSUANCE DATE: **April 2010** | EXPIRES: **11 May 2020** | EXPIRES: **11 May 2023**

Sue Gidley
Sue Gidley
Director of Certification Authority for Environmental Schemes

certif Certificado

CERTIFICATE NUMBER: **PSG 020019**

Nome e endereço do titular do certificado: **Yazici Demir Çelik Sanayi VE TIC A.Ş. Organize Sanayi Bölgesi, PK 61 Sariseki, Iskenderun / Turkey**

Nome e endereço do beneficiário do certificado: **Yazici Demir Çelik Sanayi VE TIC A.Ş. Organize Sanayi Bölgesi, PK 61 Sariseki, Iskenderun / Turkey**

Objeto do certificado: **Yazici 08 802 600 05000100 01 0000 010000**

Normativa aplicável: **YAZICI 4005 (ANSI 94)**

Organização certificadora: **CLASSIC Cert, ANS 94 N°01**

Completamento do certificado: **24/01/2018**

Validade do certificado: **15/12/2021**

Informações do titular do certificado: **Dominio: www.yazici.com.tr**

Nome e endereço do beneficiário do certificado: **Dominio: www.yazici.com.tr**

Data de validade: **2019-07-24**

Organização certificadora: **CLASSIC Cert, ANS 94 N°01**

certif Certificado

CERTIFICATE NUMBER: **PSG 020019**

Nome e endereço do titular do certificado: **YAZICI Demir Çelik Sanayi VE TIC A.Ş. Organize Sanayi Bölgesi, PK 61 Sariseki, Iskenderun / Turkey**

Nome e endereço do beneficiário do certificado: **Yazici Demir Çelik Sanayi VE TIC A.Ş. Organize Sanayi Bölgesi, PK 61 Sariseki, Iskenderun / Turkey**

Objeto do certificado: **Yazici 08 802 600 05000100 01 0000 010000**

Normativa aplicável: **YAZICI 4005 (ANSI 94)**

Organização certificadora: **CLASSIC Cert, ANS 94 N°01**

Completamento do certificado: **24/01/2018**

Validade do certificado: **15/12/2021**

Informações do titular do certificado: **Dominio: www.yazici.com.tr**

Nome e endereço do beneficiário do certificado: **Dominio: www.yazici.com.tr**

Data de validade: **2019-07-24**

Organização certificadora: **CLASSIC Cert, ANS 94 N°01**

ÜBEREINSTIMMUNGS-ZERTIFIKAT

ÜBEREINSTIMMUNGSKONFORMITÄT

Standort und genutzte Art der Bauart: **Organize Sanayi Bölgesi, PK 61 Sariseki, Iskenderun / Turkey**

Objekt des Zertifikats: **Yazici 08 802 600 05000100 01 0000 010000**

Normative Referenz: **YAZICI 4005 (ANSI 94)**

Organisationsnummer: **CLASSIC Cert, ANS 94 N°01**

Erstellungsdatum: **24/01/2018**

Validitätsdatum: **15/12/2021**

Informations des Titulaires du certificat: **Dominio: www.yazici.com.tr**

Informations du bénéficiaire du certificat: **Dominio: www.yazici.com.tr**

Date de validité: **2019-07-24**

Organisme certificateur: **CLASSIC Cert, ANS 94 N°01**

СИСТЕМА СЕРТИФИКАЦИИ ГОУП Р

СЕРТИФИКАТ СООТВЕТСТВИЯ

Объект сертификации: **Yazici 08 802 600 05000100 01 0000 010000**

Нормативная ссылка: **YAZICI 4005 (ANSI 94)**

Организация-сертифицирующая: **CLASSIC Cert, ANS 94 N°01**

Дата выдачи: **24/01/2018**

Срок действия: **15/12/2021**

Информация о держателе сертификата: **Dominio: www.yazici.com.tr**

Информация о выданном сертификату: **Dominio: www.yazici.com.tr**

Дата действительности: **2019-07-24**

Сертификующий орган: **CLASSIC Cert, ANS 94 N°01**

ΦΙΛΕΑ

СЕРТИФИКАТ СООТВЕТСТВИЯ

Объект сертификации: **Yazici 08 802 600 05000100 01 0000 010000**

Нормативная ссылка: **YAZICI 4005 (ANSI 94)**

Организация-сертифицирующая: **CLASSIC Cert, ANS 94 N°01**

Дата выдачи: **24/01/2018**

Срок действия: **15/12/2021**

Информация о держателе сертификата: **Dominio: www.yazici.com.tr**

Информация о выданном сертификату: **Dominio: www.yazici.com.tr**

Дата действительности: **2019-07-24**

Сертификующий орган: **CLASSIC Cert, ANS 94 N°01**





DİLER HOLDİNG MERKEZ
DILER HOLDING HEADQUARTERS
MASLAK / İSTANBUL

DİLER FİLMAŞİN HADDEHANE
DILER WIRE ROD ROLLING MILL
DİLOVASI / KOCAELİ

DİLER ÇELİK FABRİKASI
DILER STEEL MAKING PLANT
DİLOVASI / KOCAELİ

DNA PC STRAND FABRİKASI
DNA PC STRAND PLANT
DİLOVASI / KOCAELİ

YAZICI ÇELİK FABRİKASI
YAZICI STEEL MAKING PLANT
İSKENDERUN

DİLER LİMAN VE KONTEYNER LİMANLARI
DILER PORT & CONTAINER PORTS
HEREKE / KOCAELİ

ATLAS TERMİK SANTRALİ
ATLAS POWER PLANT
İSKENDERUN

YAZICI LİMAN
YAZICI PORT
İSKENDERUN



Eski Büyükdere Cad. Maslak No:1
Koçkaya As Plaza 34485
Maslak / İSTANBUL / TÜRKİYE

T. +90 212 253 66 30
F. +90 212 254 01 87
www.dilerhld.com
disticaret@dilerhld.com