



# MASTERS OF **STEEL CASTING**

Precision design, strict manufacturing standards, high quality materials & in-depth planning for long-lasting products in demanding environments.

## COMPANY BACROUND

**MDCCASTING** Limited has been doing business for over 15 years with Turkey's leading steel casting companies.

**MDCCASTING** has relocated in early 2020 to their own foundry of 2,500 m<sup>2</sup> area.

**MDCCASTING** Limited has long term relationships with several domestic and foreign companies spread across Europe, especially in Germany and Denmark.



**PERFECTION  
THROUGH  
ITERATION**



### Why work with us ?

- ✓ Rational and target oriented solutions
- ✓ Never compromise on quality
- ✓ Technical specifications compliant precise production.
- ✓ Strict manufacturing standards and high quality materials

WE LOOK AT A RANGE  
OF OPTIONS TO  
ENSURE **IDEAL PER-  
FORMANCE & VALUE.**



### Specialization

Altay Steels Limited's main profession is producing heat and wear resisting alloys for cement, mining sectors, incineration plants and crusher (cone,jaw)industries.



# MDC CASTING QUALITY

MARK OF QUALITY

We proudly brand all our products with the **AS / AY** as a sign of our production quality.



We  
put

# 100%

Trust in our products.



To learn more about our products quality assurance  
you can visit our website

# MDC CASTING

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[WWW.MDCCASTING.COM](http://WWW.MDCCASTING.COM)

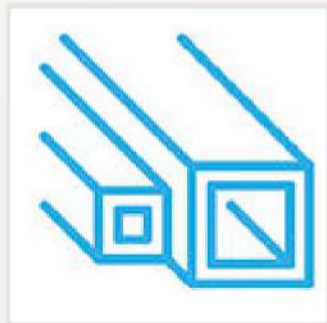


We take a series of steps to make sure we provide the most cost effective and the most suitable product for your situation.



## 01. PLANNING

We work together with you to define your needs and cooperate on every step from day 1 to make sure everything goes according to the plan.



## 02. MATERIAL SELECTION

Choosing the most suitable material whether it needs to be heat or wear resistant etc. and factoring in all the other variables.



## 03. PROTOTYPING & Q.A.

After everything is decided, we start prototyping the product / part for you with the utmost attention to detail.

# USE CASES



Steel is a commonly used material in almost every part of our daily life, however its unique features makes it an indispensable part of the industrial arena



## CEMENT INDUSTRY

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Long term reliability demands of cement industry constructions makes steel a primary choice in the industry.



## ENERGY PLANTS

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Due to the clean nature of energy plants, steel parts are highly compatible and preferred in energy plants.



## HEAVY MACHINERY

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The need for power and durability of heavy machinery like earth moving equipments warrants the use of steel in their componenets.



# OEM PARTS



- Cooler plates for clinker coolers
- Wearing plates for mills
- Lining plates for ball mills
- Crushing rings for crushers
- Pressure rings for crushers
- Inlet and outlet segments
- Excavator teeth and tips
- Hammers for crushers
- Chain links for clinkers
- Grate bars for incineration plants
- Undercarriage items (track shoe, track pad)



## Precision

We strive for precision and consistency when producing our parts, to ensure every batch is same or better in every production.





# MATERIALS

We help you determine the most suitable material out of a top-notch quality, wide range selection of materials.

## **Stainless Steel** Materials

AISI 304 316 310 309 420 430 431 Inco  
Inconel Duplex 316L 317 304L  
Gx40CrNiSi25-20

1.4848 1.4857 GX40NiCrSi35-26 or  
similar kind alloys

Duplex stainless steel materials 1.4462  
X2CrNiMoN22-5-3 2205 CD4MCu-N  
Duplex Casting CD4MCu Duplex  
Casting GX2CrNiMoN 22-5-3 1.4470  
CD3MN SS2507 SS2205 CE8MN A240  
UNS S32205/S31803 2.4660 1.4410  
1.4507 DUPLEX 2304 1.4362 S32304  
1.4062 SUPER DUPLEX

Ductile Iron Casting materials  
GGG40 GGG40.3 GGG50 GGG60  
GGG70 GGG80

## **Steel Casting** Materials

GS38 GS42 GS45 GS52 GS60 GS70  
also low and mid alloy steels

4140 25CrMo4 34Crmo4 42CrMo4  
8620 4340 4130 4150 1030 1040 1050  
20MnCr5 GSC25 20Mn5 16Mn5

Cromosil Ductile Iron Casting  
materials  
GG10 GG15 GG20 GG25 GG30 GG35

Ni-Hard casting materials  
Ni-Hard 1 - 2 - 3 - 4 and high alloy  
heat, wear, impact resistant steel  
castings(Chromium, Nickel,  
Titanium, Molibden, Manganese,  
Vanadium or same kind alloys)  
1.2379 Cromosil 1.2344 GX120MN12  
CH 1.2344 1.2316 A10 GX40CrSi27



# CUSTOM SOLUTIONS

We provide support for spare parts or products depending on your technical specifications or special conditions they might require.



## R&D Stage

Research and development

We look into the possibilities to manufacture the ideal solution for your unique situation.



## Pre & Post Production

Producing and Delivery

We make sure all of your parts are produced and delivered to you in perfect condition.

Tailored for your needs.



We take on each project on a case by case basis. Eventhough we have a huge background of various projects, we know that every project requires different measures and adjustments.

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SOLUTIONS FOR  
EVERY  
INDUSTRY**



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