CER CASTING

www.cercasting.com

Cer Casting

ABOUT US

Founded in 1976, our company specializes in casting grey iron, nodular iron, steel and stainless steel, delivering high-quality solutions for various industries.

We produce foam models in-house and handle everything from model making to final machining under one roof.

CORE VALUES

Quality

Delivering precise, high-standard castings

End-to-End Production

Managing the full process in-house

Reliability

Ensuring trust and consistency since 1976

Innovation

Utilizing advanced techniques for efficiency.

MISSION

Our company serves diverse industries with comprehensive manufacturing, including casting up to 25 tons, machining, 3D scanning, and welding. We prioritize quality, safety, and sustainability to ensure customer satisfaction.

VISION

To be a leading foundry, providing complete solutions under one roof, innovating new casting methods through R&D, and serving as a trusted partner across industries with a focus on customer satisfaction.

OUR SERVICES

We are committed to delivering exceptional quality and service

Pattern Manufacturing

In-house foam and wooden model production

Casting Production

High-quality grey iron, nodular iron, steel and stainless steel castings up to 25 tons.

Machining & Finishing

CNC machining, painting, and welding assembly.

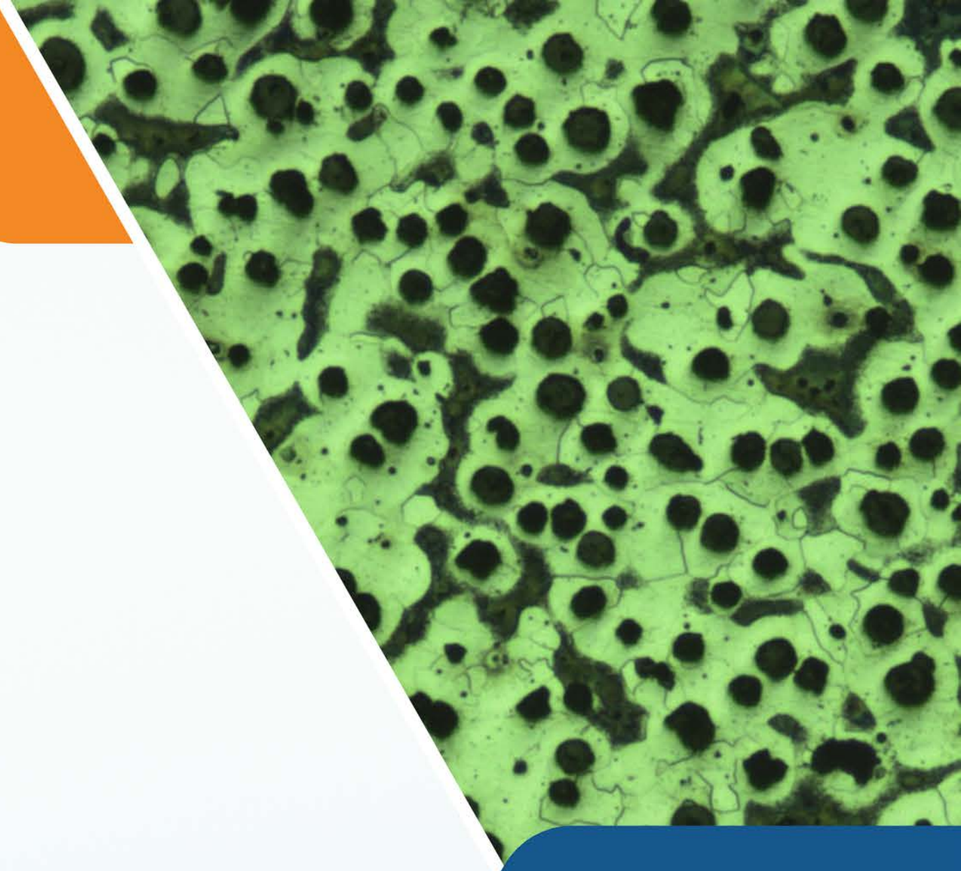
Engineering & Inspection

3D scanning, reverse engineering, and non-destructive testing for quality assurance.

CASTABLE MATERIALS

Castings can be delivered based on standards like ASTM / DIN / EN material specifications.

- Grey Iron
- White Cast Iron
- Nodular Cast Iron
- Carbon Steel
- Low Alloy Steel
- High Alloy Steel
- Magnesium Steel
- Stainless Steel



SECTORS

AUTOMOTIVE

STEEL & ENERGY

VALVE & PUMP

MACHINERY

MINING & CONSTRUCTION

AUTOMOTIVE

Die For Auto Sheet Metal Press

1950x990x480
1.900 KG
EN-LJ-1040

Die For Auto Sheet Metal Press

2070x2040x369
2.830 KG
FGL 215

Die For Auto Sheet Metal Press

1350x1215x240
1.400 KG
FGS6003A

Die For Auto Sheet Metal Press

1625x1325x450
1.590 KG
1.7140

Counter Weight

961x780x629
750 KG
EN-GJL-100

MACHINERY

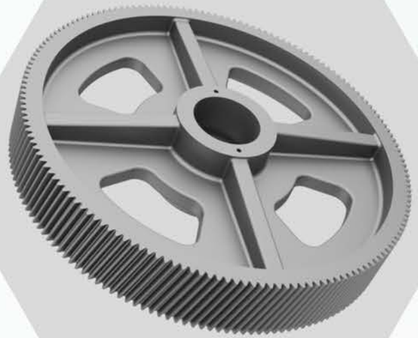
Mill Bed Body

2265x1390x1000
3.800 KG
GGG 60

Turbo Compressor Body

1600x1400x1320
2.950 KG
GGG 60

Gear



Ø3232 h:200
3.800 KG
4140 +N (220-250 Hb)

Body

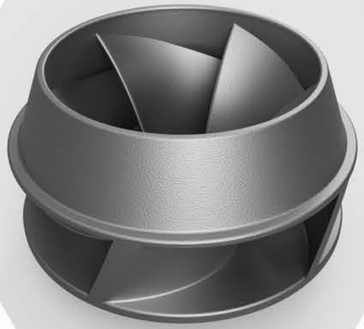
2265x1390x1000
3.800 KG
GGG 60

Alternator Body

2285x1456x1375
2.700 KG
EN-GJL-250

STEEL & ENERGY

Turbine



Ø 1030x655
800 KG
A49

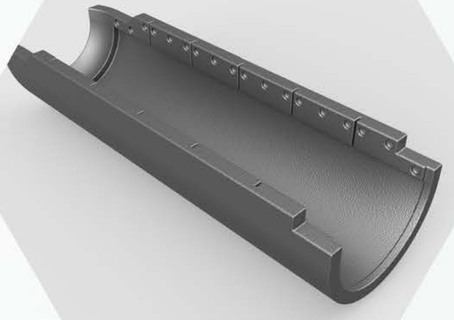
Tragger Carrier

Ø 1180x1117
2.420 KG
GGG 70

Rod

Ø 372x620
200 KG
SAE 4140

Swivel Channel



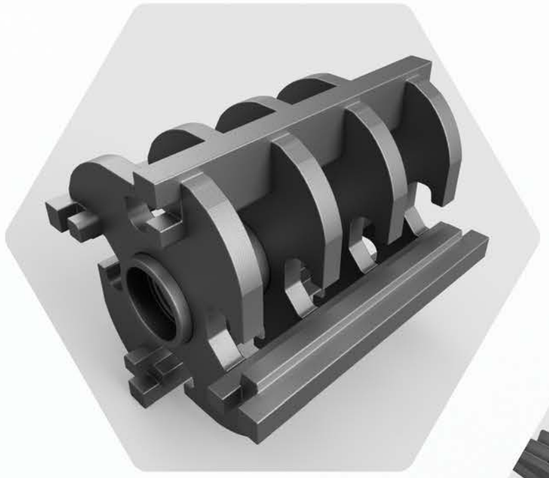
3000x940x730
2.400 KG
Gx260CrMoNi20.2.1

Ingot Mold

800x800x1750
3200 KG
GG 25

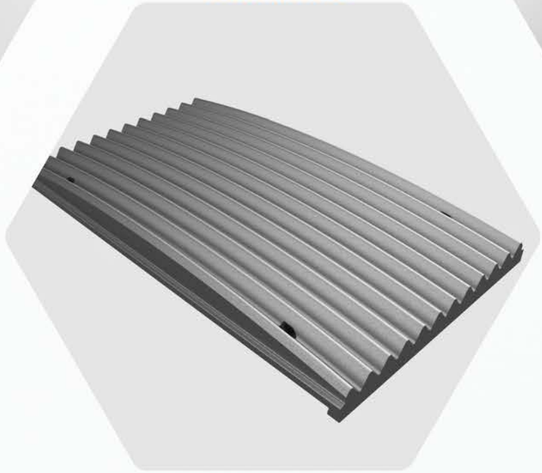
CONSTRUCTION & MINING

Rotor



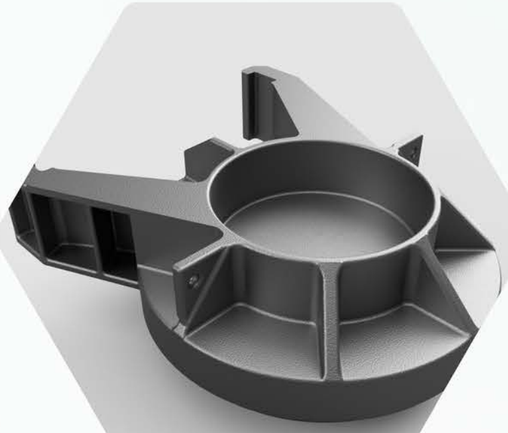
1050x1050x1935
2.150 KG
G20Mn5

Hammer



3270x1860x313
7.400 KG
Gx120Mn16-18

Header



1380x1180x510
2.140 KG
GS25CrMo4

Pitman

3500x1265x1030
9.100 KG
G20Mn5

Mill Mirror

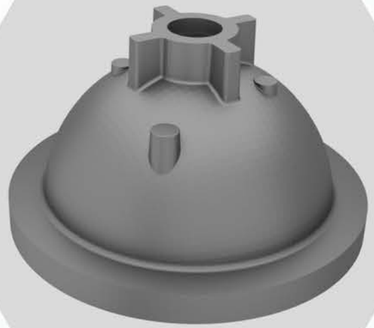
Ø 3640x1035
8.300 KG
GGG 60

VALVE & PUMP

DN800 PN63
Valve Body

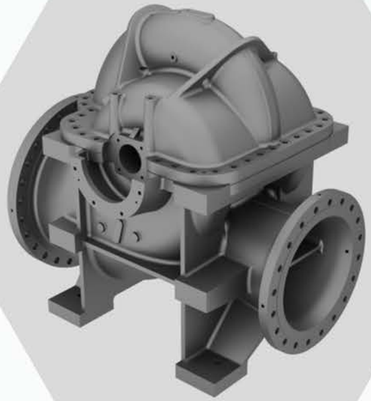
1763x1647x1296
3.520 KG
GsC 25

DN800 PN63
Valve Cap



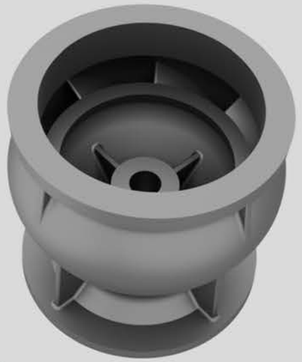
Ø1303 h:712
1.115 KG
GsC 25

Pump Casing



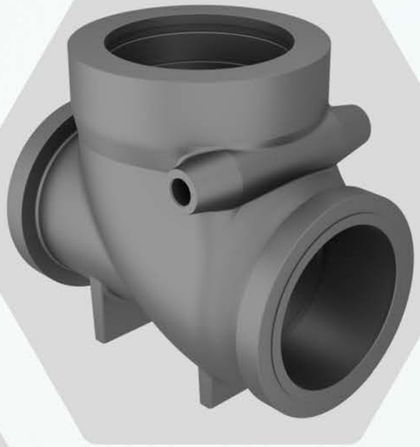
1745x1325x1690
4.200 KG
ASTM A216 WCB

Pump Bowl



Ø1480 h:1330
3.500 KG
GGG 40 +%3 Ni

40" Valve Body



2600x1800x1500
11.000 KG
A216 WCB/WCC

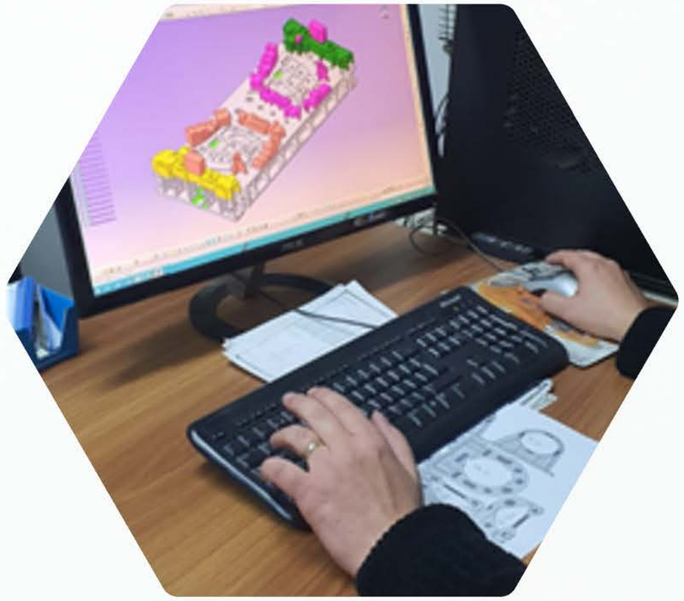
PRODUCTION STAGES

- Pattern Production
- Casting
- Machining
- Quality Control

PATTERN PRODUCTION

METHOD-TECHNICAL OFFICE

Prior to production, design and technical file preparation, along with simulation studies, have been conducted.



PATTERN PRODUCTION

Using the Full-Mould technique, patterns can be made from polystyrene. Other materials, such as wood and metal, can also be used to manufacture patterns.

CASTING

MOLDING

Two molding halls: the first for large parts up to 25 tons (max 6.5mx3mx1.5m), and the second for smaller parts up to 4 tons.

MELTING & CASTING

3 induction furnaces are used to melt grey iron, nodular iron, steel, and stainless steel, which are then cast into molds at appropriate temperatures and durations.

CASTING

CLEANING

Parts are deburred, feeders removed, ground, sandblasted, and inspected. Painting is also done upon customer request.

HEAT TREATMENT & COOLING POND

Normalizing, quencing, tempering and stress relieve processes up to 1,100°C for parts up to 22 tons. A quenching water pool is also available.

MACHINING

CNC PORTAL MILLING

Siemens-controlled vertical machining center with 5000 × 2800 × 1200 mm, capable of handling workpieces up to 25 tons.

CNC VERTICAL LATHE

Siemens-controlled vertical lathe with Ø4300 mm h: 3500 mm table and C axis, capable of handling workpieces up to 20 tons.

CNC BORING

Siemens-controlled boring machining center with 2000× 2000 × 800 mm and w: 700mm, capable of handling work pieces up to 15 tons.

QUALITY CONTROL

LABORATORY

Chemical and mechanical analyses of materials, sand tests, and raw material inspections are performed.

QUALITY CERTIFICATES

Integrated management system that includes ISO 9001 (Quality Management), ISO 14001 (Environmental Management), and ISO 18001 (Occupational Health and Safety Management)

NDT CONTROL

Visual, ultrasonic, penetrant, and magnetic tests are conducted and reported in-house

Cer Casting

BIG THANKS

www.cercasting.com

+90 312 267 1125

cer@cercasting.com

TÜRKİYE
Ahievran OSB Mah Avrupa
Hun Caddesi No: 12
Sincan / Ankara

the USA
5200 Telegraph Ave
Oakland,CA 94609

www.linkedin.com/company/cercasting