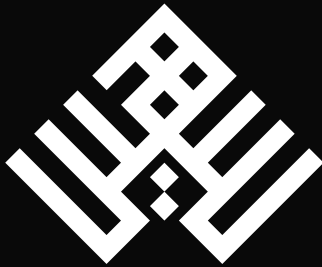


COMPANY PROFILE 2025

Premium Quality Guaranteed



SUHAİL

مصنع سهيل للمصبوبات المعدنية ذ.م.م

SUHAIL METAL CASTINGS FACTORY W.L.L

◆ ABOUT US

As Qatar's first metal casting foundry, Suhail Factory for Metal Castings was built in Mesaieed Industrial City in 2024. It has two facilities that adopt advanced technology in two different metal casting methods. The first facility is a state-of-the-art sand-casting foundry using European technology, while the second facility is an investment-casting that uses the latest technology of Robotic Shelling Process to achieve perfect and consistent quality.



◆ WHAT WE DO

At the Green Sand-casting foundry at Suhail Factory for Metal Castings, metal is melted in one of three induction furnaces; then molten metal is poured into sand molds that are formed using forming machines that mix sand materials, fill and press them onto patterns bearing the shape of the final product.

On the other hand, at the Investment Casting Facility, the patterns are shaped using wax injection machines, then the patterns are assembled and moved to the robotic shelling system where the shells are automatically prepared before moving to dewaxing, then shell firing and finally to the metal pouring area.



◆ **COVERING AN AREA OF 22,500 M2, SFMC IS CAPABLE OF PRODUCING UP TO 30,000 TONS / ANNUM OF:**

- ◆ Engineering Castings
- ◆ Automobile Cast Parts
- ◆ Oil and Gas Castings

◆ **SELLING TO THE 5 CONTINENTS, INCLUDING AND NOT LIMITED TO:**

- ◆ Qatar
- ◆ USA
- ◆ Oman
- ◆ Kuwait
- ◆ North and East of Africa

With its production methods and R&D studies using advanced technologies such as 3D Sand & Metal printing, SFMC is one of the few manufacturers in the world using such technologies, giving SFMC an edge over other metal casting foundries in the region.

◆ WHY WE ARE THE BEST

Suhail Factory for Metal Castings is part of Suhail Industrial Holding Group, which gives us access to other state of the art factories and service companies. We all team up to produce quality products in a timely and cost-effective manner.

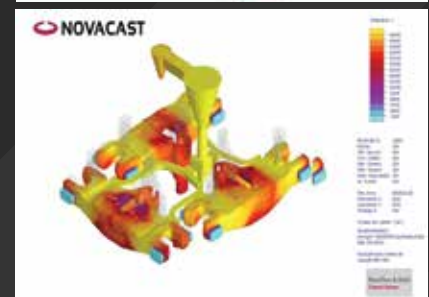
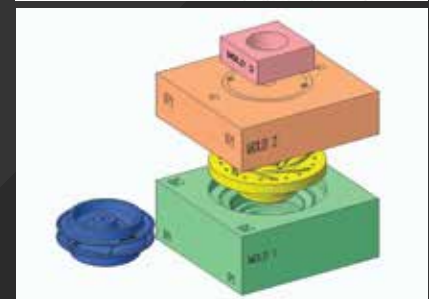
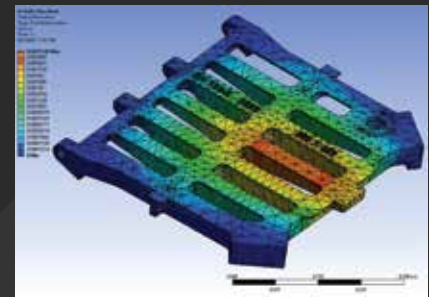
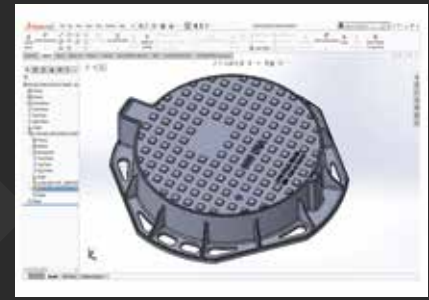
- ◆ Metal Scrap & Plastic recycling Factory (RASSAS, MAADEN)
- ◆ Reverse Engineering Facilities (SEI)
- ◆ Design, Research, and Development Facilities (SEI)
- ◆ Metal Fabrications Facilities (SUHAIL METAL FORMINGS)
- ◆ CNC machining Facilities (SEI)
- ◆ Plastic Mold injection Factory (SUHAIL PLASTIC)
- ◆ Testing Facilities (SEI)
- ◆ Assembly Facilities (SEI)
- ◆ Local & International Logistics Services (SUHAIL GLOBAL)

With its production methods and R&D studies using advanced technologies such as 3D Sand & Metal printing, SFMC is one of the few manufacturers in the world using such technologies, giving SFMC an edge over other metal casting foundries in the region.

◆ INFRASTRUCTURE AND FACILITIES

ENGINEERING CAPABILITIES:

- ◆ Research and development.
- ◆ 3D Modeling software
- ◆ Design analysis and optimization
- ◆ Reverse Engineering (3D scanning)
- ◆ Prototyping and 3D Sand printing
- ◆ Casting Process Simulation
- ◆ Patterns and Tool making
(Master CAM, CNC Router, CNC Machining).
- ◆ Dimensional Measuring (CMM)
- ◆ Metal and Plastic 3D printing machines



◆ LABORATORY:

ADVANCED SAND TESTING LABORATORY.



METALLURGICAL TESTING LABORATORY:

- ◆ Thermal Analysis
- ◆ Spectrographic Analysis
- ◆ Metallographic analysis
with image Analyzer



MECHANICAL TESTING LABORATORY:

- ◆ UTM
- ◆ Manhole Cover Load Testing
- ◆ Hardness testing
- ◆ Impact Testing



◆ PRODUCTION LINES:

1. GREEN SAND FOUNDRY - DISA FLEX LINE:

DISA FLEX MACHINE



TECHNICAL INFORMATION

- ◆ Automatic High Pressure Molding
Machine with 60 molds/hour capacity.
- ◆ Automatic Pouring unit.
- ◆ Casting Size: 500 x 600 x 450 mm.
- ◆ Casting Weight Range: Up to 75 Kgs.

**2. GREEN SAND
FOUNDRY - DISA
ARPA LINE:**

**DISA ARPA
MACHINE**



TECHNICAL INFORMATION

- ◆ ARPA Jolt - Squeeze Machines with 30 molds/hour capacity.
- ◆ Automatic Pouring unit.
- ◆ Casting Size: 1000 x 1000 x 300 mm.
- ◆ Casting Weight Range: Up to 125 Kgs.

◆ OTHER FACILITIES: FACILITIES:



Shot Blasting Machine



Melting Furnace



Core Machine



Coating Line

TECHNICAL INFORMATION

- ◆ Three Induction Melting Furnaces with 3 ton capacity each.
- ◆ Three Core Making Machines.
- ◆ Automatic Coating Line with product size up to 1200 x 500 x 1200 mm.
- ◆ DISA Shot Blasting Machine.

◆ VISION

To be the leading Industrial Group in the region, committed to innovative industries, cutting-edge engineered products and sustainable recycling while maintaining the highest standards of integrity, customer satisfaction, and employee well-being.

◆ MISSION

To add value to Qatar's economy and support Qatar's National Vision 2030 by localising skills and technologies, focusing on quality manufacturing, creative operations, and promoting environmental responsibility and resource efficiency.



◆ GALLERY

PUMP PARTS



PUMP BODY



BOWL



IMPELLERS

ENGINEERING COMPONENTS AND AUTOMOTIVE PARTS



BRACKETS



BEARING HOUSING



PULLEY

ENGINEERING COMPONENTS AND AUTOMOTIVE PARTS



BRAKE DISC



BREAK DRUM



SPOKE WHEELS



EXHAUST MANIFOLD

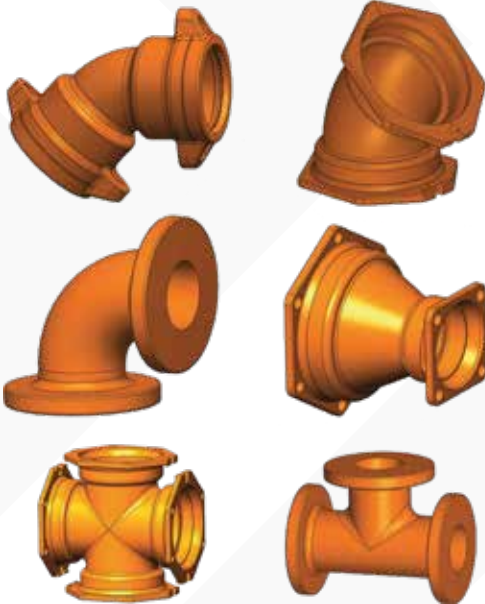
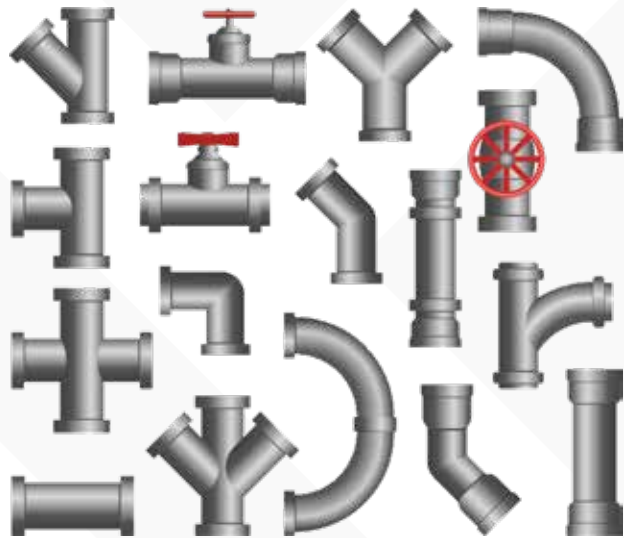
MANHOLE COVERS/GULLIES AND SURFACE BOXES



MANHOLE COVERS AND GULLY GRATES

SURFACE BOXES

PIPE FITTINGS



FLANGED TEE



DOUBLE SOCKET TEE

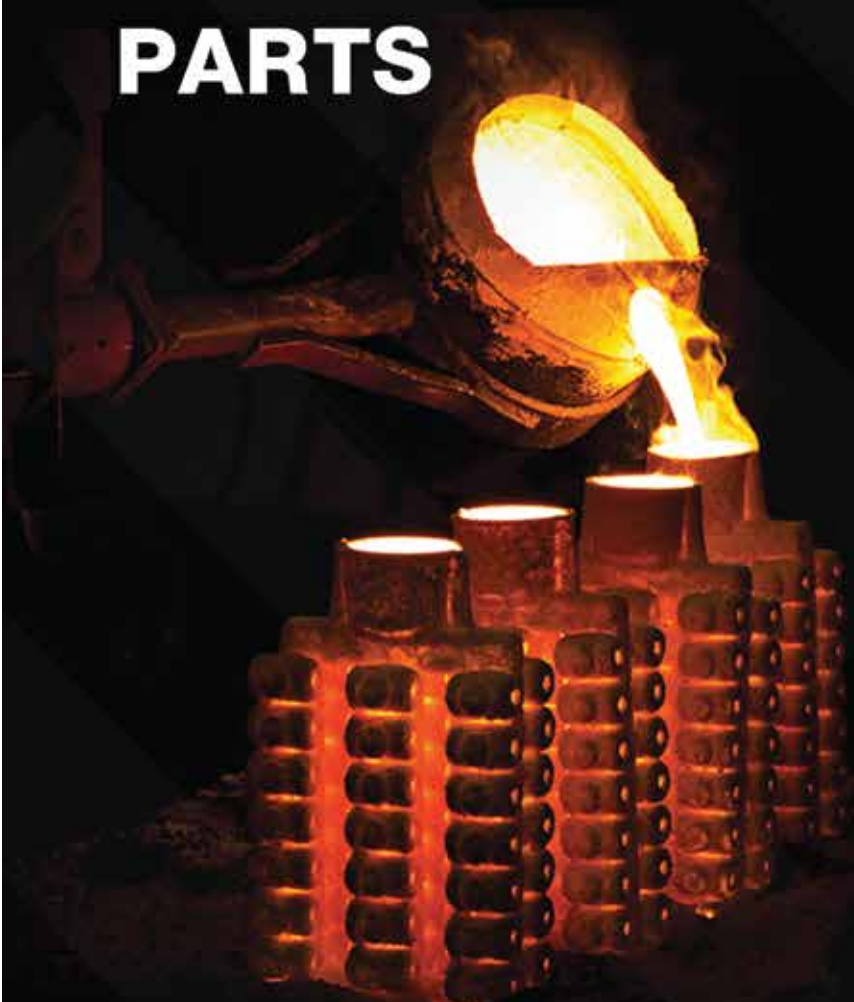
PIPE FITTINGS



MANHOLE COVERS AND GULLY GRATES

SURFACE BOXES

ENGINEERING COMPONENTS AND AUTOMOTIVE PARTS





SUHAIL

مصنع سهيل للمصبوبات المعدنية ذ.م.م

SUHAIL METAL CASTINGS FACTORY W.L.L

SUHAIL FACTORY FOR METAL CASTINGS P.O Box: 8839 Doha-Qatar

+974 4427 5552

+974 4427 5554

info@suhailcastings.com

www.suhailcastings.com