



Greater Cairo Foundries
مسبك القاهرة الكبرى



COMPANY PROFILE



Jobbing



Fittings And Accessories



Mechanical Joining Systems



Industrial Valves

www.gcf-eg.com/

Greater Cairo Foundries was established in the mid-eighties as a modest booth foundry located in Cairo's industrial area. Over time, it has grown to become the largest foundry in the region.

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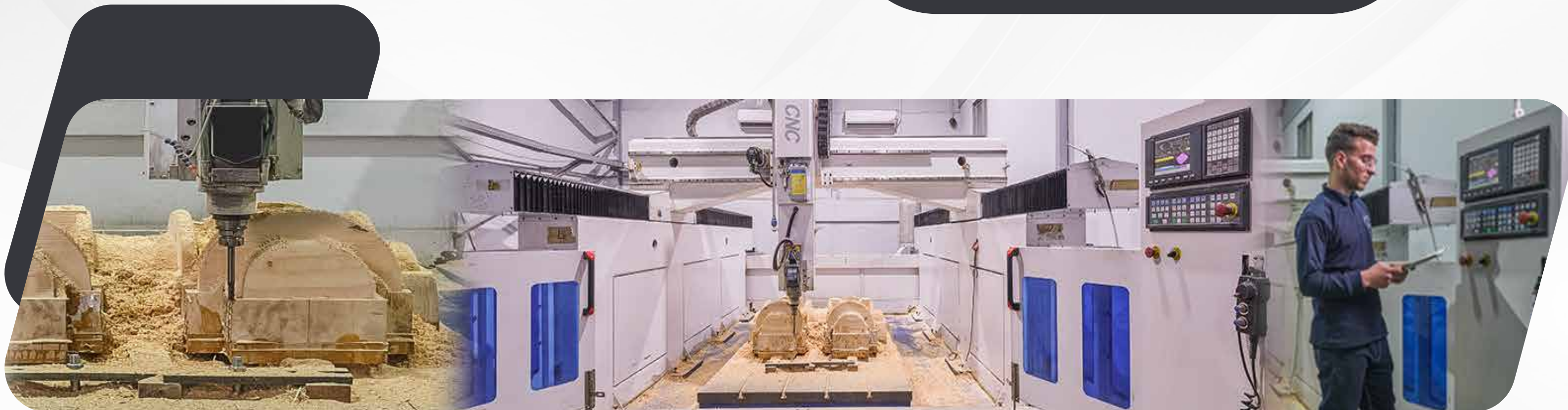


About Us

Greater Cairo Foundries (GCF) is an experienced and professional manufacturer of Ductile Iron fittings and Valves, serving a broad variety of water and sewage applications in Egypt and Middle East region.

Whether it is a water pipeline, a water treatment plant, or a pumping station, we cater to diverse needs.

Our ultimate goal is to become a global leading company in the Ductile Iron pipeline business, while establishing an outstanding brand name in the MENA, African, and European regions.



Our Vision

To become a global leading company in the Ductile Iron pipe line business with an outstanding brand name in the entire globe.

& Mission

Greater Cairo Foundries is a client – centered company,, We always work with the aim of improving customer loyalty by achieving the highest quality standards, adhering to promised delivery dates and adhering to after-sales service, creating a culture based on mutual respect and integrity at work, supporting the spirit of cooperation and always working as a team, providing a work environment free of accidents and environmental risks, and constantly investing in our company members by training them and refining their talents.

Our Values



Our History

1983

Company founded as a unique supplier of castings for pumps and valves as well as special alloy steel for cement and steel industries in the old industrial zone of Cairo.

1993

The factory moved to Inshas Industrial area to expand its production to meet the growing demand of infrastructure projects in Egypt. The factory focused ever since on Water Pipeline products (WPP) namely fittings and mechanical joints. The foundry and machine shop state of the art painting shop is built on 2,000 Sqm.

2005

Entered the valve market serving the water, sewage and irrigation infrastructure. Today GCF is focused on producing Metal Seated Gate Valves and Non Return Swing Check valves from DN 80 to DN 1800

2007

Established Large size machining Line

2010

Third Production Line established, focusing on mega projects supplies

2011

completed the Ductile Iron Pipes plant producing DI Pipes sizes 100 mm to 800 mm. The factory is built on 40000 sq.m with a production capacity of 100,000 tons per annum.

2020

Established New Production Line (Green Sand), Sizes From 400 to 800 mm With Capacity 200 ton/month.

Today

GCF is the largest and most reputable supplier of Ductile Iron fittings and Mechanical Joints in Middle East and Africa. It produces 25,000 tons per annum

Our Facilities



FOUNDRIES FACTORY

- ENGINEERING MANAGEMENT
- PATTERN MAKING SHOP
- FURNACE
- PRODUCTION LINES
- FINISHING LINES
- MACHINING WORKSHOP
- HYDROSTATIC TEST
- PAINTING FACILITIES
- QUALITY CONTROL INSPECTIONS

Our Facilities

FOUNDRIES FACTORY

• ENGINEERING MANAGEMENT

Our vision is to create high quality level products that satisfy customer needs and international standards, in an efficient and timely manner to support business group and company vision. Collaborate, design update and oversee with our customers and continuous improvement.

• PATTERN MAKING SHOP

GCF has its own pattern making shop that utilize CNC Routers for wooden pattern and milling machines for metallic patterns.
GCF inventory includes thousands of fine made patterns produced over the years.

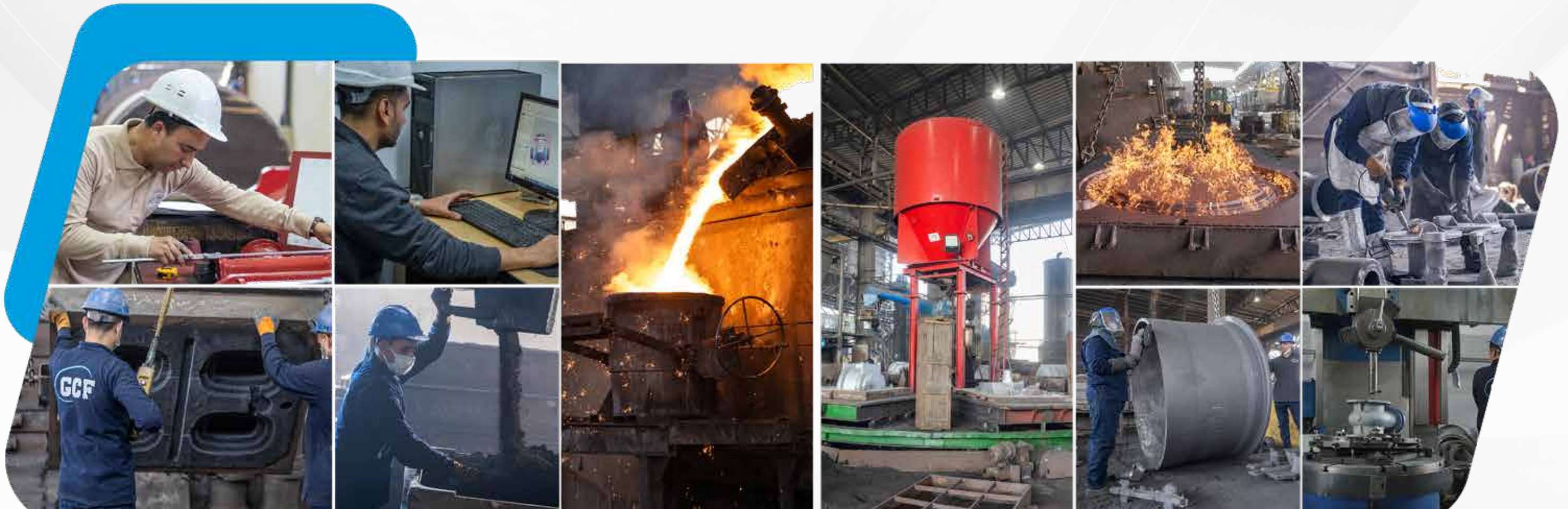
• FURNACE

No. Of Furnaces: GCF owns 7 furnaces
Type of Furnaces: Induction Furnaces
Furnaces Capacity: 10 ton / hrs.

• PRODUCTION LINES

GCF owns 5 production lines, classified as:

- Two Bentonite lines (B1, B2) (Bentonite sand Mixer capacity with range 25,000 ton/year).
- Three Furan lines (F1, F2, F3) (Furan- Sand Mixer capacity within range 120,000 ton / year).



Our Facilities

FOUNDRIES FACTORY

- **FINISHING LINES**

GCF Own Shot blast can finish with high quality surface roughness about (1000 ton/ month) castings items.

- **MACHINING WORKSHOP**

Machining Workshop our machining facilities are geared to complete the machining steps of all our products covering all the sizes up to 3000 mm.

- **HYDROSTATIC TEST**

GCF have 7 Hydrotest Stations , that testing on all fittings , valves and mechanical joints with 100% inspections for all parts according international standards ISO 2531 & EN 545 .



- **PAINTING FACILITIES**

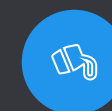
Valves and fittings are coated in a newly installed FBE facility with capacity of 300 pieces per hour. Fittings up to 2500 mm can be painted in a separate facility using FBE as well. Also special equipment for Solid Polyurethane coated under heated conditions is available.

- **QUALITY CONTROL INSPECTIONS**

We ensure quality with advanced labs conducting tests at every stage, from raw materials to final products. Our processes meet international standards, backed by cutting-edge equipment and inspections.



Our Products



Jobbing



Fittings And Accessories



Mechanical Joining Systems



Industrial Valves

Our Products

- **JOBGING**

Jobbing is rooted in the idea of shaping materials to create functional objects. It involves using various alloys, to create a wide range of shapes and forms that can be used for different applications.
(Grades Cast Iron – Steel - Alloy Steel)



- **DUCTILE IRON FITTINGS**

GCF offers a wide range of standard fittings and flanged pipes in accordance with ISO 2531 - BS-EN545 and BS EN598 Standards. In addition to our standard range we are able to manufacture non- standard fittings with non-standard dimensions. We understand the many difficulties faced by our customers during actual installation on site. We have therefore developed our ability to quickly deliver such nonstandard items to our customers



Standards
ISO2531, BS-EN545 and BS EN598

Size Range
DN 80 to DN 2600 mm

Pressures Range
PN10, PN16 and PN25

- **MECHANICAL PIPE JOINING SYSTEMS**

GCF Dismantling joint series is used for joining two flanges to create gaps/space in flanged Pipe lines dismantling joint system allows for fast and simple installation and removal of valves and pumps. Where periodic maintenance or modification of equipment is required in a pipeline, the system provides axial movement to facilitate the dismantling of equipment.



Size Range
DN 80 up to DN 2600

Working Pressure
PN10, PN16 and PN25

- **FLANGE / SOCKET ADAPTOR**

GCF Flange adaptors are used to enable plain-ended pipe to be connected to flanged pipe or to flanged valves and other fittings (used for connected to spigot pipe and flange).



Product Range
DN 80 up to DN 2600

Working Pressure
PN10, PN16 and PN25

Our Products

• GATE VALVES

GCF produces wide range of heavy duty Gate valve from ductile cast iron Full Bore double Flanged metal seated gate valve designed to comply with ISO 5996. They are with Non Rising Stem and Outside Stem and yoke (OS&Y) for manual operation by Tee key (cap) or hand wheel. They can be supplied to order with a gearbox or electric actuator.

- GCF Series 3100 Metal Seated Gate Valves.
- GCF Series 3300 Metal Seated Gate Valves.
- GCF Series 4300 Metal Seated Gate Valves.



Standards
ISO 5996 – BS 5163

Size Range
DN80 to DN1800

Pressures Range
PN10, PN16

• NON-RETURN VALVES

GCF produces Non Return valve from ductile cast iron which is used with rising flow to Prevent flow reversal in order to reduce hammer and protect the system itself. It is suitable for single and multi-pump water and sewage applications. They can be supplied with counter weights and hydraulic dampers upon client request.

GCF Series 5300 Swing Type Check Valves



Standards
DIN 3232 – DIN 3202 F6

Size Range
DN100 to DN1500

Pressures Range
PN10, PN16

• AIR VALVES

The GCF Air Valve is a ductile iron air inlet-relief valve, which allows entrance and exit of air in the course of pipeline filling and emptying, therefore securing an undisturbed pipeline operation. Their function is to automatically release and admit air without operator assistance.

Series 6200



Double Chambers Air valve without internal isolation

Size Range
DN80 to DN200

Pressures Range
PN10, PN16

Series 6300



Double Chambers Air valve with internal isolation

Size Range
DN80 to DN200

Pressures Range
PN10, PN16

Series 6500



Single Chambers
(sewage application)

Standards
AWWA C512

Size Range
DN80 to DN200

Pressures Range
PN10, PN16

Series 6700



Single Chambers - Anti hammer
(sewage application) -

Standards
AWWA C512

Size Range
DN80 to DN200

Pressures Range
PN10, PN16

Our Clients



Our Certificates





Greater Cairo Foundries
مسبك القاهرة الكبرى

Contact Us

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