

PRECAST CONCRETE



**CONSTRUCTION
MATERIALS**
PRECAST CONCRETE



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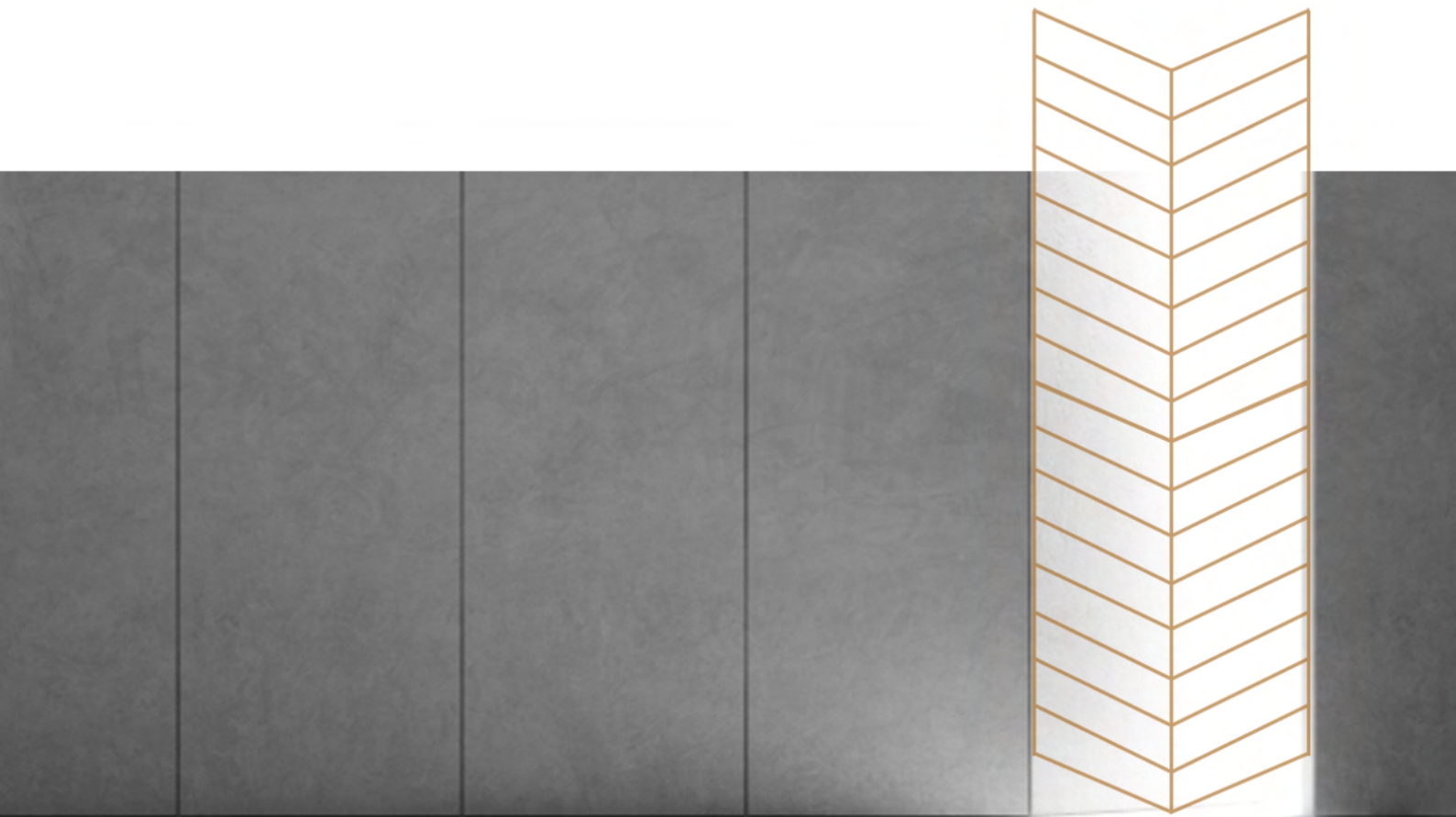
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01 INTRODUCTION

Introducing our advanced precast concrete solutions. Our facility encompasses cutting-edge equipment for high-quality production, including a concrete batching plant, a 150m production line, and specialized machinery for slabs pouring, wire drawing, tensioning, and precision cutting. Complemented by auxiliary equipment, we ensure top-tier production throughout the process. Our product range includes a variety of precast concrete solutions tailored to meet diverse project requirements. From durable manholes and sturdy fences to reliable New Jersey barriers, we offer solutions that prioritize strength and longevity. Additionally, our hollow core slabs and curb stones provide versatile options for construction projects of all scales. In addition to these core products, we also manufacture a range of other precast products to cater to specific project needs such as lighting pole base and filtration slabs. With our commitment to quality and innovation, we deliver solutions that exceed expectations in durability, performance, and cost-effectiveness.



PRECAST CONCRETE

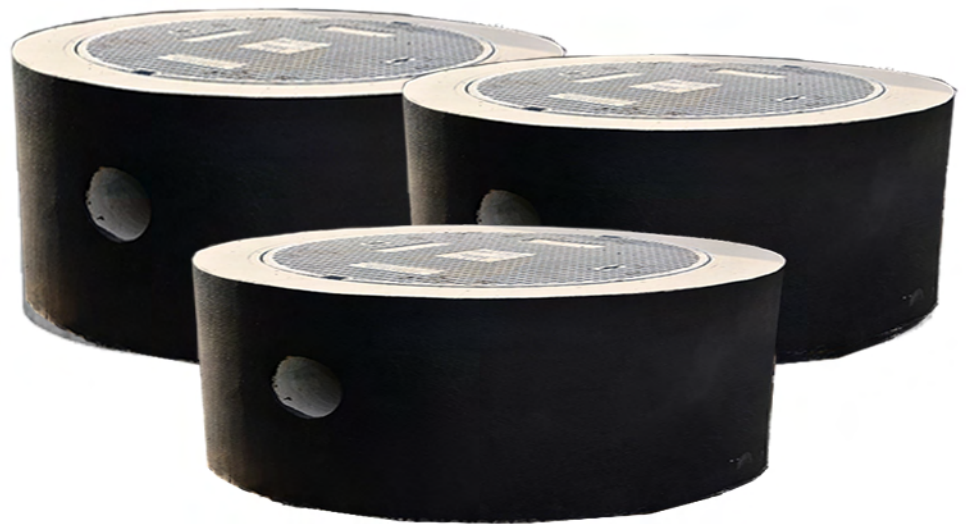
02 TYPES

- Manholes
- Fences
- New Jersey Barriers
- Hollow Core
- Curb Stone

03 MANHOLES

The precast manhole has gained widespread adoption worldwide, with its demand steadily rising due to its ease of production and installation, superior quality, ability to withstand high traffic loads, reduced excavation requirements, minimal backfilling, and elimination of the need for excavation support.

These attributes have cemented its position as a preferred choice for various infrastructure projects globally.



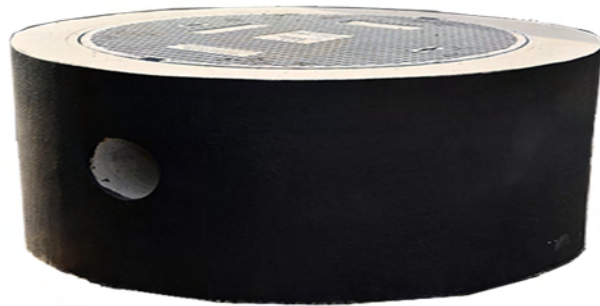
03 MANHOLES

- Our manufacturing processes meet rigorous standards, including those mandated by Egyptian, American, and any other necessary specifications. Our dedication to quality assurance is evident in our fully-equipped laboratory, which boasts modern measuring, calibration, and testing equipment.
- We specialize in casting ready-made concrete manholes designed for various purposes, including sanitation, rainwater drainage, telecommunications cables, electricity cables, drainage systems, roadblocks, lighting pole bases, filter slabs, and curbstones.
- Our products come in a range of sizes and dimensions tailored to meet the specific requirements of each customer
- Opening of the chambers are manufactured in proportion to the entry and exit of the cables and they are valuable according to each design
- The match is adhering to the guidelines outlined in American specifications.
- Top slab capable of withstanding concrete stress of 350 kg/cm² after 28 days.

03 MANHOLES

Sanitation Manhole

- Manhole diameters of 1m-1.20m-1.50m-2m
- Square manholes measuring 1.20×1.20m, 1.50×1.50m, 2.50×2.50m
- Manholes internal dimensions 60×60cm ,60cm or 80cm
- Manholes internal dimensions 60/90cm & depth 70cm or 90cm



Rainwater drainage Manhole (catchbasin)

- Manholes internal dimensions 32x32x35 cm
- Manholes internal dimensions 52x43x70 cm
- Manholes internal dimensions 60x60x120 cm
- Manholes internal dimensions 60x60x128 cm in two parts



03 MANHOLES

Extensions

- Extension internal dimensions 60x60cm & depth of 20cm or 50cm or 60cm
- Extension internal dimensions 60x90cm & depth of 20cm

Electrical Manhole

- Electrical manhole internal dimensions 40x40x70cm
- Electrical manhole internal dimensions 70x70x100cm
- Electrical manhole internal dimensions 100x100x100cm
- Electrical manhole internal dimensions 80x80x110cm
- Electrical manhole internal dimensions 120x120x95cm

Telephone Manhole

- Telephone Manhole internal dimensions 210x110x110cm, with a thickness 20cm, model CH
- Telephone Manhole internal dimensions 250x150x200cm, Thickness 20cm, model type 1



04 FENCES

Introduction

The precast fence has witnessed global expansion, with its demand continuously on the rise. This is attributed to its ease and speed of production and installation, coupled with its high-quality construction. Offering a wide variety of shapes and an aesthetically pleasing appearance, precast fences are sought after for their efficient security solutions.



Description

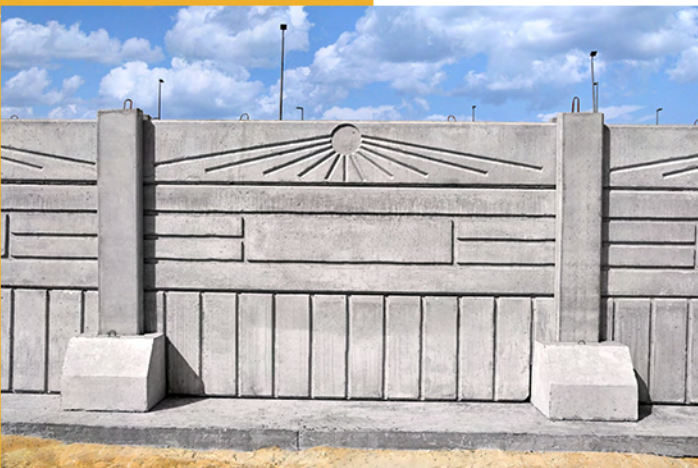
Our facility houses a range of steel molds dedicated to producing various types of fences and T-Walls. Available in both temporary and permanent configurations, our fences come in a variety of lengths, heights, shapes, and reinforcements to suit diverse needs.

04 FENCES



- ① Protective walls: concrete walls up to 4 meters high used to build a quick and effective protection wall against weapons fire, shrapnel, and explosion.

Concrete Fence



- ② Concrete walls: concrete walls with different dimensions, serving multiple purposes such as constructing temporary hangars and fences, providing versatility and functionality in various applications.

Concrete Fence Panels

05 NEW JERSEY BARRIERS

Types

- Single
- Double
- Car Stopper



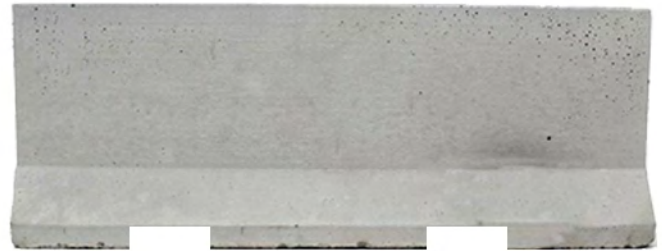
Description

Our facility is equipped with steel molds tailored for the production of barriers. These barriers come in a variety of lengths, heights, shapes, and reinforcement options to accommodate a range of needs and specifications.

05 NEW JERSEY BARRIERS

1 New Jersey Single Precast

Specifications	Single New jersey
Dimensions (m)	2.5× 0.15 / 0.43 × 0.92
New Jersey weight (Ton)	1.6 Ton/Unit
Production Capacity/day	225 m'/Day
Reinforcement	Steel Rebar's Or Steel Fibers Or customer's required
Concrete grads	C30/C35 and other



2 New Jersey Double Precast

Specifications	Double New jersey
Dimensions (m)	2.5 × 0.205 / 0.66 × 1.17 m
New Jersey weight (Ton)	2.4 Ton/Unit
Production Capacity/day	125 m'/Day
Reinforcement	Steel Rebar's Or Steel Fibers Or customer's required
Concrete grads	C30/C35 and other



3 Car Stopper Precast

Specifications	Car Stopper
Dimensions (m)	1.8 × 0.14 / 0.18×0.15 m
Car stopper weight (Ton)	0.12 Ton/Unit
Production Capacity/day	45 m'/Day
Reinforcement	Steel Rebar's Or Steel Fibers as customer's required
Concrete grads	C30/C35 and other



06 HOLLOW CORE SLABS

Types

The popularity of hollow core slabs has surged globally, driven by a growing demand for their ease of production and installation. Acknowledged for their lightweight construction, extended spans, reduced footing dimensions, and excellent heat isolation properties, hollow core slabs offer unparalleled advantages. This versatility and efficiency have contributed to their increasing popularity in construction projects worldwide.

Description

Hollow core slabs are produced using a state-of-the-art machine boasting six efficient production lines. Our production area spans 2500 m², with an additional 1700 m² allocated for storage. With an on-site concrete plant, we can manufacture according to Egyptian, European, and American standards, as well as any other required specifications. Our laboratory is fully equipped with all necessary measuring, calibration, and testing equipment to ensure quality control.

Advantages of using Precast & Prestressed Cretecon Slabs:

- Ideal solution for covering wide roofs of facilities with large span
- Provides the required framework for pouring roofs.
- Offers sound and heat insulation properties.
- Lightweight construction for easy handling and transportation.
- Simplifies on-site installation process.
- Reduces the cost of plastic work



06 HOLLOW CORE SLABS



Concrete Hollow Core Slab



PRECAST CONCRETE

07 CURBSTONES

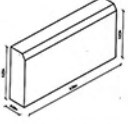
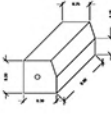
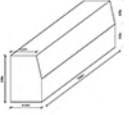


07 CURBSTONES

Introduction

The product is made of Ordinary Portland cement conforming to Egyptian Standard and Sand conforms to Egyptian Standard In addition to, (Aggregate 1), graduated in size, conforming to Egyptian Standard .The product conforms to Egyptian Standard Specifications .The curbs produced are of the mechanically pressed type in metal moulds.

Specifications

Specifications	Concrete Curbstones		
Type	Gardens	Large	Medium
Dimensions in cm	6/8x25x50	25/30x30x50	12.5/15x30x50
Weight in KG			50
Concrete	Automatic ready mix plant		
Concrete resistance after 28 days	300 Kg/cm ² cement content 400 Kg/m ³		300-350 Kg/cm ² , or as required
Face	Fair Face		
Curbs No./ linear meter			2
Curbs No./ pallet	88	18	32
Shape			



**CONSTRUCTION
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