



PLATE 01

DOUBLE CONE TRANSITION · ROLLED
AND WELDED IN-HOUSE

EGYPT · SINCE 2007 · ISO 9001:2015

Sheet Metal & Fabrication

Ducts, chutes, feeders, chassis and welding repairs —
designed, cut, rolled, welded and painted in our own two
factories in Egypt.

35

PIECES CATALOGUED

50

INDUSTRIAL CLIENTS

19+

YEARS MANUFACTURING

Catalog

2026

WHO WE ARE

Heavy plate, shaped to the drawing.

Next to the gear machines, EL Badr Industries runs a fabrication shop for the steelwork a plant is built around: the ducts that carry its air, the chutes and feeders that carry its material, and the chassis its machines stand on.

We design it, calculate the loads, cut, roll and weld it, machine the flanges and seats on our own machines and paint it — and when a heavy part wears out, we weld it back up and re-machine it to size.

50

INDUSTRIAL CLIENTS

19+

YEARS IN METAL MANUFACTURING

6000 mm

LONGEST CRUSHER ROTOR REBUILT

ISO 9001

CERTIFIED SINCE 2008

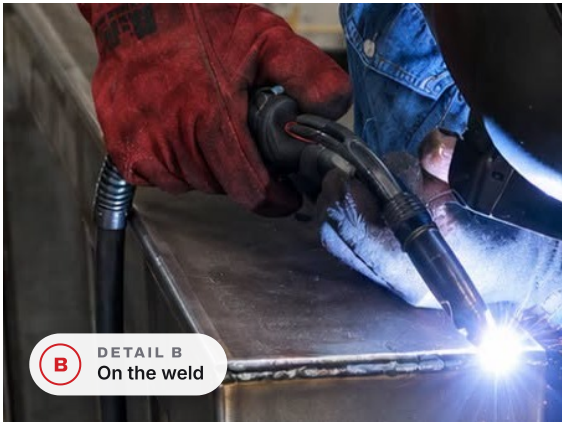
Designed on screen, built on the shop floor, and machined so it bolts up first time.

INSIDE THIS CATALOG

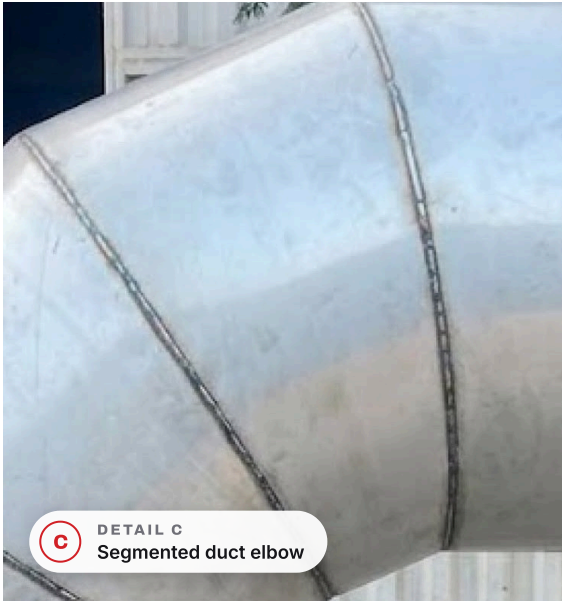
How a fabrication job runs, step by step	03
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A DETAIL A
Diverter housing · the V-seam



B DETAIL B
On the weld



C DETAIL C
Segmented duct elbow



D DETAIL D
TIG seam · heat tint

THE PROCESS

From 3D model to the truck

From the 3D model to the truck. The stages marked • are photographed in the catalog that follows.

01

Design & load calculation •

Every chassis, duct and hopper is modelled in 3D first, with its loads, stresses and flat patterns worked out before a plate is cut.

02

Cutting

Plate and sheet cut to the unfolded pattern, holes and flanges marked out.

03

Rolling & forming •

Shells rolled, cones and transitions formed, elbows built up segment by segment.

04

Welding •

CO₂/MIG, argon TIG and oxy-acetylene — carbon steel, stainless and heat-resistant 310.

05

Machining

Flanges faced, bearing seats bored and holes drilled on our own machines, so parts bolt up first time.

06

Grinding & sandblasting •

Welds dressed and surfaces blasted clean for the coating.

07

Painting •

Primer and top coat in the customer's colour.

08

Loading & installation •

Lifted by our overhead cranes onto the truck, and installed on site where needed.

AT A GLANCE

Everything we fabricate

The bigger the words, the more of it you will find photographed in the catalog.

Machine chassis Blower housings Tanks & guards

Spiral pipe mill parts Reducers Centering units

Crusher chassis Stairs & walkways

Metal spraying Screw conveyors

Rotor rebuilds Machine bodies

Diverter housings **Industrial ducts**

Feeders & hoppers Oxy welding **Wagon boxes**

Stainless work Kneader blades **Cooler chassis**

Cone transitions Transfer chutes

Duct elbows **MIG welding**

Material shakers **Calciner burners**

TIG welding

PARTS INDEX

27 things we fabricate and repair

Machined or fabricated to your drawing, your sample or the worn original. ● marks the ones photographed in the catalog that follows.

Ducts & air handling

- Industrial ducts & duct sections
- Segmented duct elbows
- Eccentric & concentric reducers
- Double cone & conical transitions
- Diverter valve housings & Y-pieces
- Centrifugal blower housings — repair

Material handling

- Material transfer chutes
- Feeders & hoppers
- Vibrating raw material shakers
- Screw conveyor flights & special augers
- Raw material wagon boxes
- Stainless kneader blades

Chassis & structures

- Machine chassis & base frames
- Crusher chassis & platforms
- Clinker cooler treadmill chassis
- Stairs, walkways & handrails
- Piling rig & heavy machine bodies — repair

Process equipment

- Calciner burners in 310 heat-resistant stainless
- Formed parts for spiral pipe mills
- Ceramic tile centering units
- Tanks, covers & guards

Welding & repair

- Argon (TIG) welding
- CO₂ / MIG welding
- Oxy-acetylene welding
- Cold spray & metal spraying
- Crusher rotor rebuilds
- Stainless & heat-resistant steel work

Ducts & transitions

06 PIECES



Industrial duct for a cement plant

Large-bore duct sections and elbows rolled, welded and assembled — built entirely in our shop to the plant's specification.



Double cone transition

Two cones joined at a flanged throat — from the unfolded drawing to polished steel.



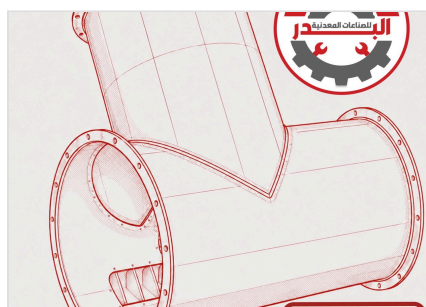
Eccentric reducers

Offset reducers made to order, pairing two duct sizes without a pocket for dust to settle.



Stainless steel duct elbow

A segmented 90° elbow, every seam welded and the flanges drilled to match.



Diverter valve housing · design

The Y-piece body of a diverter valve, drawn first so every flange lines up.



Diverter valve housing · finished

Switches material or air between two lines — welded in stainless, flanges faced.

Chutes, feeders & equipment

11 PIECES



الصناعات المعدنية
www.elbadrindustries.com
ممكن ومصنعك بأمااان 100%

Calcliner burner

Oil-firing equipment for a cement plant calciner, made entirely from heat-resistant 310 stainless.

Chassis & structures

07 PIECES



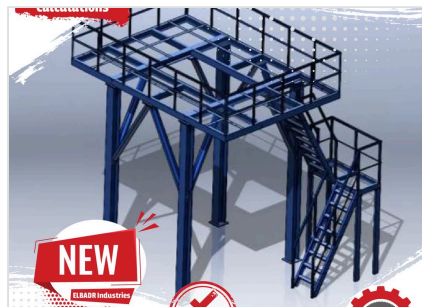
Clinker cooler treadmill chassis

Assembly, welding, grinding, sandblasting, painting and loading — a cement plant cooler chassis, stage by stage.



Crusher chassis · design

A crusher platform modelled in 3D, with the stresses and strains calculated before cutting.



Crusher chassis · the full structure

Columns, platform, stairs and handrails — the whole frame checked on screen first.



Crusher chassis · built

The same chassis installed on site with the crusher sitting on top.



Wagon box · 1 — design

A raw material wagon box for a cement plant, modelled and numbered part by part.



Wagon box · 2 — manufacturing

Plates cut, drilled and welded into the box on the shop floor.



Wagon box · 3 — finished

Primed and ready to go back on the wagon.

Welding & repair

11 PIECES

**Welding Services****www.elbadrindustries.com****Metal spraying**

Building a worn journal back up by spraying, before it is machined to size.

ON FILM

Steel, cut and welded

Paper does not move — so point a phone camera at any code below and the film opens on our Facebook page.



FILM 01

Building a clinker cooler chassis

Every stage of a cement plant's cooler treadmill chassis, from assembly to loading.



FILM 02

Cold-spray repair of a 6 m crusher rotor

A 6000 × 1000 mm cement crusher rotor rebuilt by cold spraying and re-turned.



FILM 03

Centrifugal blower overhaul

A worn-out centrifugal blower brought back to as-new condition.



FILM 04

A 1600 mm stainless kneader blade

Fabricating a kneader blade for a paper mill in stainless steel.



FILM 05

Ceramic tile centering unit

Designed, built and assembled: the unit that squares each tile before it is cut.



FILM 06

Pile-drilling machine body repair

Rebuilding the body of a piling rig for a deep-foundation contractor.



FILM 07

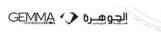
Plastic crusher on the boring mill

A plastics crusher housing set up on the boring machine for its repair.

CLIENTS

50 companies who trust us

Cement, ceramic, steel, food, glass and more — the plants whose ducts, chutes and chassis we build and repair.



Gemma Ceramic



Ceramica Cleopatra



Art Ceramic



Royal Ceramic



Gloria Ceramic



Mayorca Ceramic



Ceramic Alfa



Ceramic Remas



Farsina Ceramic



Venezia Ceramica



Platino Ceramica



Majestic Porcelain



Lento Ceramica



Omega Ceramics



Ceramica Prima



Ceramica Granito



Amir Ceramics



Canal Sugar



Free Foods Co.



Nile Sugar



Marbella for Food Industries

**Naga Hamady
Sugar Factory**

Nag Hamady Sugar Factory



Obourland for Food Industries



Al Nour for Dairy Industries



Hwamdy Sugar Factory



Have a part to manufacture?

Send us your technical drawings — or even the worn-out part itself — and our engineering team will come back to you with a detailed quotation.

CALL

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WRITE

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FACTORIES

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Belbeis Factory, Ash
Sharqia

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