



EGYPT · SINCE 2007 · ISO 9001:2015

Ceramic Industry

Machines, pulleys, spare parts and steel structures for tile and porcelain plants — designed, machined and welded in our own two factories in Egypt.

16

PIECES CATALOGUED

17

CERAMIC COMPANIES
SERVED

19+

YEARS MANUFACTURING

Catalog

2026

WHO WE ARE

We make the parts that keep a tile plant running.

A ceramic line is a chain of machines, and every link in it wears. EL Badr Industries has been cutting gears and machining heavy mechanical parts in Egypt since 2007 — and for the ceramic industry that means everything from the raw-material shaker at the front of the plant to the polishing spindles at the back.

Bring us a drawing, a sample or the worn part itself. We reverse-engineer it, machine it on our own lathes, mills and boring machines, and hand it back finished and painted. Two factories, twenty-three machines, one ISO 9001:2015 quality system.

17

CERAMIC MANUFACTURERS SERVED

19+

YEARS IN METAL MANUFACTURING

100%

DESIGNED AND MADE IN EGYPT

ISO 9001

CERTIFIED SINCE 2008

Send us the worn part. We send back a new one — reverse-engineered, machined on our own machines, finished and painted.

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Polishing spindles

A full production run of polishing spindles, turned to the original drawing.

THE LINE

Eight stages, one supplier

Where we come in, from the silo to the pallet. The stages marked • are photographed in the catalog that follows.

01

Body preparation •

Raw-material shakers, feeders and hoppers — plus the platform steelwork that carries them.

02

Milling •

Grinder pulleys and continuous mill drive pulleys, machined complete from solid.

03

Slip handling •

Slip pump bodies and pump valves, machined to your sample or drawing.

04

Pressing •

Press overhaul on our own boring mills, plus the drive gears and heavy spares that keep a press running.

05

Glazing & decoration

Drive shafts, sprockets and couplings for glaze lines and digital printing lines.

06

Firing

Kiln drive gearboxes, roller drives and replacement gearing — our core business since 2007.

07

Polishing & squaring •

Polishing spindles and spindle sleeves, reverse-engineered from the worn original.

08

Sorting & packing

Conveyor drives, sprockets and gearboxes for the end of the line.

AT A GLANCE

Everything we make for a tile plant

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

Slide carriages Pump drive gearboxes Fabricated steelwork **Gears to 3 m** Rotary dryer girth gears
Spray dryer lances Bearing housings Kiln hood steelwork Apron feeder drums

Feeder hoppers **Grinder pulleys**

Raw material shakers Reverse engineering

Stepped shafts Kiln drive gearboxes **Calibrating head spindles**

Crankshafts & eccentric shafts Piston pump liners Chain wheels Toggle pins

Roller support bushes Diamond wheel flanges Press roller tables Roller drive shafts

Complete gearbox rebuilds **Spindle housings**

Bucket elevator drums **Splined drive shafts**

Slip pump valves Screw conveyor flights

Continuous mill drive pulleys Charging carriage frames

Press overhaul Rotary atomiser shafts Glaze pump impellers Mill end covers

Mould frame steelwork Fan shafts & impellers Conveyor drums **Conveyor drives**

Palletiser drive gearboxes Die carriage guides Couplings & sprockets Taper-lock pulleys

Mill trunnions **Polishing spindles** Stirrer shafts

Press drive gears Sprocket drive sets Stacker frames **Girth gears & pinions**

Vibrating screen frames Glazing machine shafts Agitator impellers

Slip pump bodies

Polishing spindle sleeves Drive pulleys

PARTS INDEX

57 parts we make for tile plants

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

Body preparation & milling

- Raw material shakers & vibrating feeders
- Feeder hoppers, silo cones & platform steelwork
- Ball mill girth gears & pinions
- Ball mill trunnions & hollow shafts
- Ball mill end covers & manhole covers
- Grinder pulleys
- Continuous mill drive pulleys
- Screw conveyor flights & shafts
- Bucket elevator drums, shafts & buckets
- Belt and apron feeder drums & drive shafts
- Vibrating screen frames & eccentric units

Slip handling & spray drying

- Slip pump bodies
- Slip pump valves & valve seats
- Piston pump crossheads, conrods & liners
- Spray dryer lance bodies & nozzle holders
- Rotary atomiser shafts
- Slurry agitator shafts & impellers
- Agitator and pump drive gearboxes

Pressing

- Press housing & frame overhaul
- Crankshafts & eccentric shafts
- Toggle pins, bushes & links
- Die carriage guides, wear plates & bushings
- Mould frame steelwork & punch backing plates
- Powder charging carriage frames & drives
- Press entry and exit roller tables
- Press drive gears & gearbox rebuilds

Dryers & kilns

- Roller drive gearboxes — worm, helical & bevel
- Roller drive shafts, sprockets & chain wheels
- Roller support bushes & bearing housings
- Fan shafts & impellers
- Girth gears & pinions for rotary dryers
- Kiln hood steelwork & expansion joints

Glazing & decoration

- Conveyor drive drums, idlers & shafts
- Glaze pump shafts & impellers
- Bell and disc glazing machine shafts
- Stirrer shafts & stainless tank steelwork
- Chain, sprocket & gearbox drive sets

Squaring, cutting & polishing

- Polishing spindles
- Polishing spindle sleeves
- Spindle housings
- Splined drive shafts
- Squaring & calibrating head spindles
- Diamond wheel flanges & adaptor hubs
- Slide carriages, beam guides & lead screws
- Drive pulleys & belt tensioners

Sorting, packing & handling

- Conveyor drive units, drums & shafts
- Stacker and unloader frames, cams & forks
- Chain wheels & take-up units
- Palletiser drive gearboxes

Anywhere on the line

- Spur, helical, bevel, worm & planetary gears to 3 m
- Complete gearbox rebuilds
- Keyed, splined & stepped shafts
- Couplings, sprockets & chain wheels
- Bushes, sleeves & bearing housings
- V-belt, flat & taper-lock pulleys
- Reverse engineering from a worn sample
- Fabricated frames, guards, hoppers & platforms

Machines & assemblies

03 PIECES



Raw material shaker

A complete shaker unit on its trolley frame, painted and ready to ship.



Shaker handover

The build team in front of a finished raw material shaker.



Shaker on the crane

The shaker under our overhead crane on its way out of the shop.

Pulleys & drives

03 PIECES



Grinder pulley

A multi-groove grinder pulley, machined and finished in-house.



Grinder pulley — three views

The same pulley from three angles: rim, web and bore.



Raw mill pulley

Wrapped and ready — a multi-groove pulley for a ceramic raw mill.

Spare parts

05 PIECES



Ceramic parts, one batch

Polishing spindle sleeves, slip pump bodies and valves, and a continuous mill drive pulley.



Polishing spindles

A full production run of polishing spindles, turned to the original drawing.



Spindle housings

Machined spindle housings lined up straight off the lathe.



Spindle batch

Dozens of finished spindles from a single order, ready for inspection.



Splined drive shafts

A matched pair of splined gear shafts for a ceramic line drive.

Steel structures

04 PIECES



Feeder hopper

A fabricated hopper on site, with the crew that built it.



Hopper and platform

The finished hopper and its support steelwork, standing outside the plant.



Night shift

Hopper and platform steelwork being welded up after dark.



Hopper in build

Grinding and welding the discharge cone of the hopper.

NEW

ELBADR

Industries



للمصناعات المعدنية

OVERHAUL & MAINTENANCE

Ceramic press overhaul

A press housing stripped down on the machine for maintenance.

ON FILM

The shop floor, moving

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



FILM 01

Roller carriage, finished

A machined and painted roller assembly on the bench — polyurethane wheels, bolted brackets, ready to go on the line.



FILM 02

Worm gear manufacturing

Cutting a large worm gear under flood coolant.



FILM 03

Hypoid gears explained

Crown and pinion, and the offset that makes a hypoid set different.



REEL 04

Milling a line part

Chips flying on the mill as a flange takes shape.



REEL 05

New product on the bench

A ceramic industry build coming together on the milling machine.

FAIRS & VISITS

Where ceramic takes us



RIMINI, ITALY

TECNA

EL Badr Industries at TECNA, the international fair for ceramic technology and supplies, meeting the equipment and spare-part makers who build the world's ceramic production lines.



MILAN, ITALY

Winter in Lombardy

Partner meetings and machine shop visits across northern Italy — a snowbound Duomo between one factory floor and the next.

ELBADRINDUSTRIES.COM



EL MARG, EGYPT

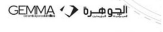
Techno Ceramic visits us

The owner of Techno Ceramic (China) on our own shop floor, setting up a supply cooperation for ceramic production line spare parts.

CLIENTS

17 ceramic companies

The tile and porcelain manufacturers who send us their drawings, their worn parts and their shutdown schedules.



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



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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elbadrindustries.com

FACTORIES

El Marg Factory, Cairo
Belbeis Factory, Ash
Sharqia

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