



Group Core Business

Linco Baxo Industrie Refrattari S.p.A. develops, manufactures, procures and supplies dense and insulating refractory products based on alumina, alumina-silicates, silicon carbide, zircon, chromite, magnesite and graphitic materials.

Our products operate in **extreme thermal, mechanical and chemical environments**, enabling **safe, continuous and energy-efficient industrial processes** worldwide such as:

- Furnaces, kilns, heaters and reactors
- Steel ladles and converters
- Glass melting tanks
- Cement and lime kilns

With **over 70 years of experience**, we deliver **complete refractory solutions**, from supply contracts to engineering and installation, for a global customer base.



Organisation & Key Figures

Company Overview

- **Headquarters:** Milan, Italy
- **Registered Capital:** €3,212,898
- **Founded:** 1949
- **Ownership:** Family-owned since inception
- **Company Type:** SME (Small and Medium-sized Enterprise)

Operations & Footprint

- **Manufacturing Sites:** 5 (4 in Northern Italy, 1 in the Netherlands)
- **Employees:** 200 staff from over 25 nationalities
- **Sales & Technical Network:** Global coverage via subsidiaries, distributors, stockists and agents

Market Presence

- **Customer Base:** Trusted by thousands of clients worldwide

-  Steel & Metallurgy
-  Glass
-  Cement & Lime
-  Petrochemical & Energy
-  Waste-to-Energy / Biomass

Performance & Capacity

- **Annual Production Capacity:** 120,000 tons
- **Group Turnover (2024):** €39,147,000
- **Direct Export:** €23,645,000



Unshaped Refractories Plant

Levate (BG) – Italy



Unshaped Refractories Plant: Levate (BG) – Italy

Two **advanced** production lines for **unshaped refractory materials**:

- **Line 1** produces **lightweight castables** and includes **two rotary kilns** for **exfoliating** vermiculite and perlite
- **Line 2** is focused on **dense castables, ramming mixes, mouldables** and **mortars**

The facility is supported by a **fully equipped, modern central laboratory** (800 SQM) and an **in-house training center**.

Annual production capacity: 80,000 tons



Unshaped Refractory Products: Levate (BG) – Italy

Brand Names: Linco, Baxo, Kero, Sirma Unshaped Products	
Refractory & Insulating Castables	Licofest, Baxocast, Sircast, Kerocast
Gunning Castables	Licofest TR, Baxogun, Sirgun, Promogun, Progun, Kerogun
Service Castables	Linax, Baxofix, Keromix
LCC / ULC / FCC Castables	Licofest PL, Baxovibro, Sirbrate, Promocast, Kerovib, Sirchem, Abromix
Fast-Firing Castables	Sirquick, Licodry
Shotcrete Castables	Kerocrete
Self-Flowing Castables	Keroflow, Sirflow
Mouldables & Ramming Mixes	Licoclay, Licoton, Sirplast, Keroram
Dry Vibratable Mixes	Kerolan
Mortars & Coatings (Wet and Dry)	Licoton Mortars, Baxopol, Baxocoat, Sircol, Colligan

Dense and Insulating Bricks Plant

Bondeno (FE) – Italy

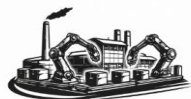


Dense and Insulating Bricks Plant Bondeno (FE) – Italy



Key Production Assets

- 3 tunnel kilns and 2 shuttle kilns
- **Advanced drying systems:** 3 tunnel dryers and multiple shuttle dryers
- **Over 10** modern **hydraulic presses** for dry-pressed refractories
- 2 extrusion lines for dense and insulating shapes
- 2 vibrocasting units for precast components



Finishing & Assembly

- In-house finishing facility for cutting, grinding and high-precision pre-assembly
- 850 m² pre-assembly platform equipped with bridge crane
- CNC wire bending machines (3-head and 4-head, 360° rotation)



Quality & Capacity

- In-house quality control laboratory
- Annual production capacity: **35,000 tons**



Metallic Anchors

- Complete range of metallic anchors manufactured in accordance with **UOP, ASTM, API, Exxon, Shell, Total** and other international standards

Dense and Insulating Bricks Plant

Bondeno (FE) – Italy

Maref & Sirma - Product Lines Manufactured at this Facility

Fireclay and High-Alumina Bricks and Shapes	MAREF
Lightweight Insulating Bricks and Shapes	ISOM
Specialties for Ceramic and Brick Industries	KERA
Specialties for Glass Industries	MAREF
High-Alumina Bricks for Severe Service Conditions	SIRMA 95AT & 99AT
Pre-Sintered & Sintered Roof Block Systems	LICOBLOCK

Precast Refractories & Glass/Sanitaryware Specialties Plant Zerbinate/Bondeno (FE) – Italy



Precast Refractories & Glass/Sanitaryware Specialties Plant

Zerbinato/Bondeno (FE) – Italy

Production Highlights

- 2 high-precision refractory units (glass, ceramic, steel)
- 6 high-temperature kilns with integrated dryers
- Complete slip casting line
- **Finishing & pre-assembly:** cutting, grinding, tight tolerances
- **Pre-assembly platform:** 500 m² with bridge crane
- **Annual capacity:** 5,000 tons

Manufactured Products and Technical Specialties

Zerbinato/Bondeno (FE) – Italy

Precast Refractories & Glass/Sanitaryware Specialties Plant

Alumina-based Refractories	REF - AL
Mullite-based Refractories	REF - MUL
Corundum-based Refractories	REF - COR
Zircon-based Refractories	REF - ZIRCON

- All shapes are fully **custom-designed** and **manufactured** to client specifications
- In-house production and sintering of single blocks and shapes up to 16 tons

Linco Baxo Benelux B.V.

Tilburg – The Netherlands

Linco Baxo Benelux B.V. is the Group's international distribution hub for **Northern Europe**

Strategically located warehouses in the Netherlands enable **rapid supply** of a wide range of refractory products

Key Equipment:

- 120-ton automatic press
- Semi-automatic threading machine
- Semi-automatic welding station



Central Laboratory Levate (BG) – Italy

State-of-the-Art Laboratory

- Supports all Linco Baxo manufacturing facilities
- Equipped for **quality control** and **R&D testing** across a wide range of refractory products
- In-house testing compliant with **ASTM, EN, ISO**, and **PRE** standards
- Used for new formulation development, performance validation, and product certification
- Integrated with a **technical training center** for staff and client education



In-House Laboratory Testing Schedule

Laboratory Tests Performed - In compliance with ASTM, PRE and EN standards	
<i>Test Parameter</i>	<i>Standard Method Description</i>
True Density & Bulk Density	Size, dimensional measurements and bulk density of refractories
Water Content	Sieve analysis and water content of refractory materials
X-Ray Fluorescence (XRF)	Chemical composition analysis of the final product
Sieve Analysis	Particle size distribution and water content evaluation
Cold Crushing Strength (CCS) & Cold Modulus of Rupture (CMOR)	Mechanical resistance testing at room temperature
Permanent Linear Change (PLC)	Dimensional stability after reheating (thermal shrinkage/expansion test)

In-House Laboratory Testing Schedule

Laboratory Tests Performed - In compliance with ASTM, PRE and EN standards	
<i>Test Parameter</i>	<i>Standard Method Description</i>
Porosity Test	Apparent porosity, liquid absorption, specific gravity, and bulk density of refractories
Refractoriness Under Load (RUL)	Thermal expansion and structural deformation under load at high temperature
Creep	Long-term dimensional change under constant stress and elevated temperature
Thermal Conductivity	Measurement of thermal conductivity for insulating and dense refractory materials
Abrasion Resistance	Wear resistance of refractories under mechanical stress at room temperature

In-House Laboratory Testing Schedule

Laboratory Tests Performed - In compliance with ASTM, PRE and EN standards	
<i>Test Parameter</i>	<i>Standard Method Description</i>
Hot Modulus of Rupture (HMOR)	Measurement of flexural strength of refractory materials at elevated temperatures
X-Ray Diffraction (XRD)	Analysis of the mineralogical composition of the refractory material
Carbon Monoxide (CO) Resistance	Disintegration resistance of refractories exposed to CO atmosphere (carbon corrosion resistance)

Our Competitive Advantage



- ✓ **Competitive, transparent** pricing structure
- ✓ **Rapid response** to customer needs
- ✓ **Fast and reliable** delivery
- Dedicated** logistics team with proven experience



- ✓ **Comprehensive** technical support
- ✓ **Structured and dependable** post-sales support
- ✓ **On-site supervision** and field support



