



GLS ALUMINIUM

**Innovative Foil Solutions
for a Sustainable Future.**

Corporate Brochure

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About GLS Aluminium

GLS Aluminium is a leading manufacturer of high-performance aluminium foil solutions with advanced production capabilities and a strong commitment to quality, sustainability, and compliance. We deliver precision-engineered foils tailored to meet the rigorous demands of global clients.

- The Haryana, India manufacturing facility spans 40+ acres (1,61,874 m²) and houses advanced aluminium foil rolling and converting operations. With an annual production capacity exceeding 20,000 MTPA, the plant specializes in producing high-precision aluminium foils across a wide range of thicknesses and alloys.
- Our foils serve a wide range of applications which include but are not limited to battery foil, pharmaceutical foil, capacitor foil, flexible packaging foil, lidding foil, household foil (HHF), beer neck foil, cigarette foil, SRC foil, cable wrap foil and building insulation foil among others. Integrated with ERP systems and in-house quality labs, the facility ensures traceability, consistency, and responsiveness to diverse customer needs.
- To ensure stable and reliable power supply, the plant is designed to be powered by a 132 KV substation. The covered area of the factory shed is about 22000 m².
- We hold a robust portfolio of certifications such as BRCGS, GMP, FDA, Kosher, ISO 9001, ISO 14001, ISO 22000, and ISO 45001, and our products comply with REACH, MSDS, TSE BSE and other industry standards.

At GLS Aluminium, sustainability is a core focus area. We are proud members of the Aluminium Stewardship Initiative (ASI), hold a Silver EcoVadis Medal, and report CO₂ emissions in line with the EU’s CBAM guidelines. These efforts reflect our commitment to responsible sourcing, sustainable manufacturing, and continuous environmental compliance.

Our people are the foundation of our success - a dynamic and diverse team, driven by a shared mission to create responsible aluminium solutions. We invest in workforce development, operational safety, and strategic community partnerships, reaffirming our belief that progress is only meaningful when it is inclusive and sustainable.



Sustainable production



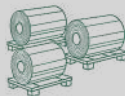
with commitment to ESG principles



Exports to countries around the globe



5.3 mic to 50 mic



All Alloys (1xxx, 8xxx, 3xxx)

20,000 MTPA



Rollable width 2050 mm

Tailor-made products



Performance. Compliance. Sustainability.

In-House R&D



+ Quality Testing

Traceability. Safety. Product Innovation

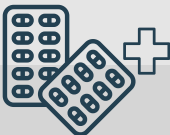
Market Applications

Precision-crafted aluminium foils for specialised applications.



Battery Grade Foil

GLS Aluminium’s battery-grade foil is engineered for lithium-ion and energy storage applications, offering high conductivity, uniform thickness, and excellent surface quality. Designed for optimal compatibility with slurry coating processes, it contributes to stable performance in EVs, ESS units, and portable electronics.



Pharmaceutical Foil

GLS Aluminium’s foil is designed for pharmaceutical packaging requiring high barrier protection. It offers excellent formability, uniform thickness, and reliable performance in cold-form and push-through packs. Produced under strict quality control, it preserves the integrity and shelf life of medications.



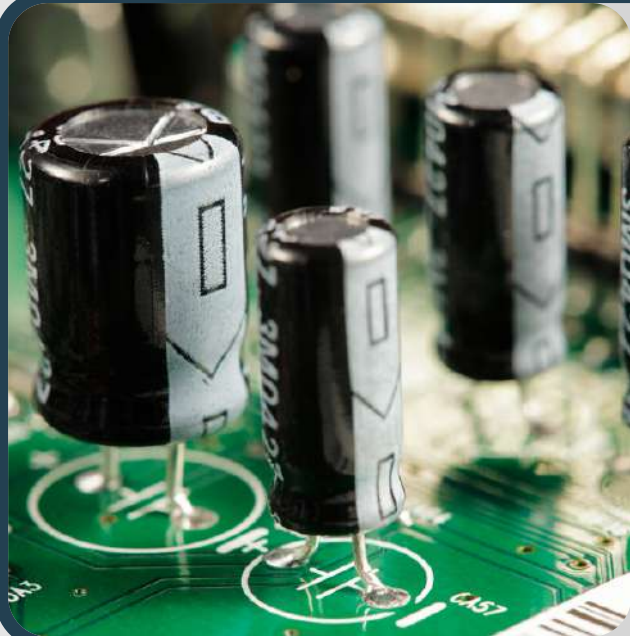
Household Foil

Durable and versatile, our household foil is produced in various gauges for use in food wrapping, cooking, and storage. With high formability and resistance to temperature variation, it serves as the raw material for the retail and foodservice industries worldwide.



Capacitor Foil

GLS Aluminium supplies high-purity base foil with tight tolerances and stable electrical properties, tailored for use in electrolytic capacitors. It ensures consistent performance in downstream processing and is trusted in automotive electronics, power systems, and industrial control units.



Looking for something specific? We also develop custom foil solutions tailored to your performance and compliance needs.





Lidding Foil



GLS Aluminium supplies high-quality foil for use in lidding applications across dairy, beverage, and convenience food segments. Our foils deliver excellent forming behavior and are well-suited for downstream application of lacquers or heat-seal coatings, enabling secure and hygienic sealing in end-use packaging.



ULG / LG Foil

GLS Aluminium's ULG (Ultra Light Gauge) and LG (Light Gauge) foils are precision-rolled for flexible packaging. With excellent formability and barrier performance, they integrate seamlessly into downstream lamination, coating, and high-speed conversion, making them ideal for lightweight, sustainable packaging.



Looking for something specific? We also develop custom foil solutions tailored to your performance and compliance needs.

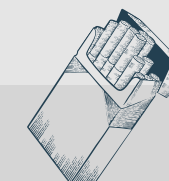
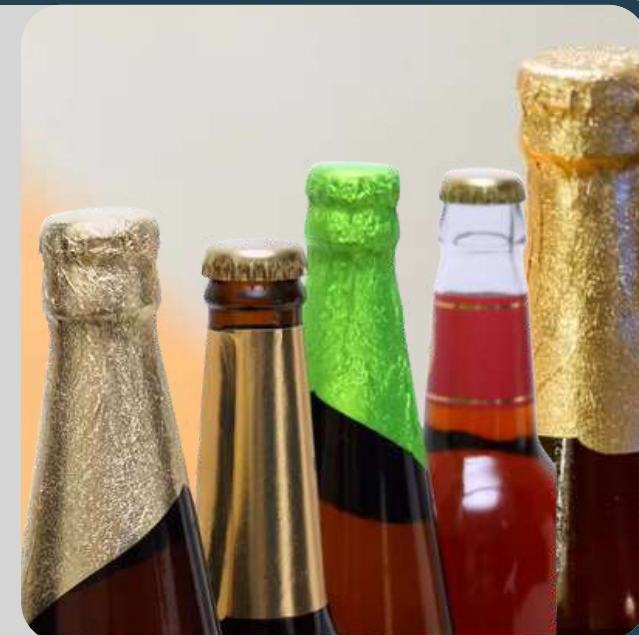
Market Applications

Precision-crafted aluminium foils for specialised applications.



Beer Neck Foil

Our beer neck foil combines decorative appeal with functional protection, offering excellent formability and a smooth surface finish. It serves as a high-quality base for further lacquering and printing. Ideal for branding and hygiene sealing of beverage bottles.



Cigarette Foil

GLS Aluminium supplies high-performance base foil engineered for cigarette inner liner applications. Designed to perform reliably on high-speed packing lines, it offers excellent barrier properties and is available in a range of gauges and tempers to support diverse downstream conversion requirements.



Manufacturing Equipment

Our state-of-the-art Infrastructure, powering precision and performance, enables ultra-thin foil production with exceptional accuracy, consistency, and speed, meeting the highest global standards. From rolling to annealing, every process is engineered for quality, efficiency, and scalability.



Foil Intermediate Mill

Mill Size : 2200 mm
Max Rollable width : 2050 mm
Alloy : 1xxx, 8xxx, 3xxx
Max Entry Thickness : 0.350 mm
Min Exit Thickness : 2 x 0.012 mm
Mill Speed : 1500 m/min max.

With State of the Art Honeywell X-Ray gauge, AGC, and Primetal AFC.



Foil Finishing Mill

Mill Size : 2200 mm
Max Rollable width : 2050 mm
Alloy : 1xxx, 8xxx, 3xxx
Max Entry Thickness : 0.10 mm
Min Exit Thickness : 2 x 0.0053 mm
Mill Speed : 1500 m/min max.

With State of the Art Honeywell X-Ray gauge, AGC, and Primetal AFC.



Work Roll Grinder

Heavy Duty Herkules Roll Grinder
 WS 450 L x 4250 CNC Monolith.

With Real time measurement of Profile, Roundness and Cylindricity for accuracy within 1 micron in order to get better surface quality.



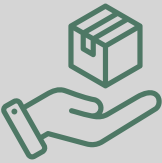
Separator Machines

Specification: 2200 mm,
 2 x (0.0053 to 0.02)
 2200 mm,
 1 x (0.008 to 0.05)
Alloy: 1xxx, 3xxx, 8xxx
M/C Speed: 800 m/min max.
Reel OD: 800 mm
 on 152.4 mm core
Reel ID: 600 mm
 on 76.2 mm core
Min Cut Width: 200 mm



Annealing Furnaces

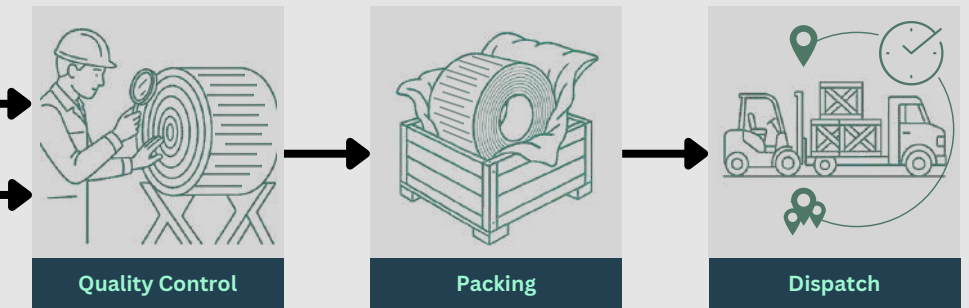
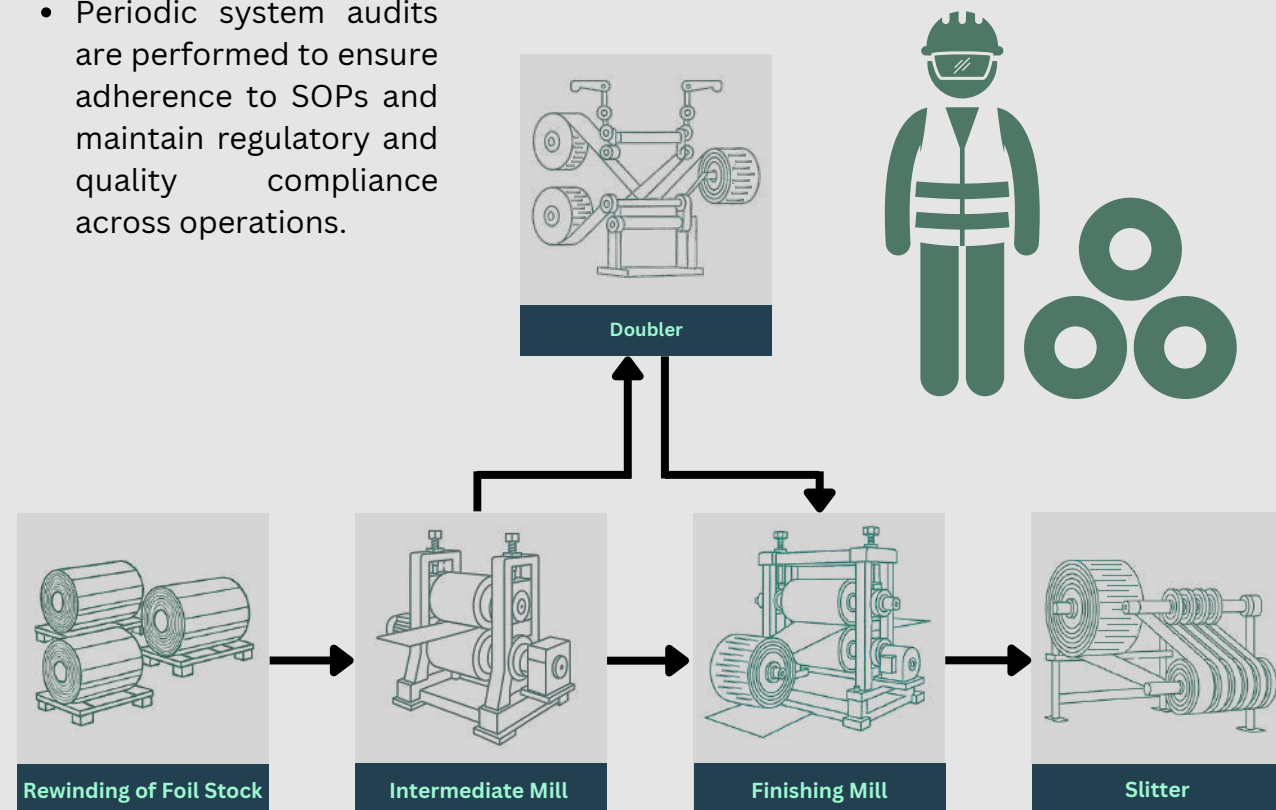
For Medium gauge
 Foil Annealing Furnace – 4 units x 30 Tons
For Light and Ultra Light gauge
 Foil Annealing Furnace – 5 units x 30 Tons
For Coil Annealing
 Coil Annealing Furnace – 1 unit x 40 Tons



Process Flow of Aluminium Foil

Process Control

- Foil thickness at the mill is continuously monitored and recorded through the Automated Feedback Control (AFC) system to ensure consistent output quality.
- Following each roll change, a joint inspection of finished coil surfaces is carried out in accordance with established SOPs to maintain surface finish standards.
- Annealing parameters are captured in the PLC system and reviewed daily by operators to ensure process consistency and metallurgical compliance.
- Dimensional checks - including thickness, length, and width - as well as incoming material inspections for reels, bare foils, and other components are conducted in accordance with SOP.
- Periodic system audits are performed to ensure adherence to SOPs and maintain regulatory and quality compliance across operations.



Quality and Product Safety Policy



At GLS Aluminium, we are committed to manufacturing high-quality, safe aluminium foil products that meet or exceed the expectations of our valued customers, as well as all applicable standards, codes, and regulatory requirements.

To uphold this commitment, we:

- Identify and mitigate significant product safety risks to ensure delivery of safe and compliant packaging materials.
- Foster a strong culture of quality and product safety across all levels within the organisation.
- Maintain a hygienic and controlled factory environment to eliminate contamination risks.
- Enhance employee competencies through training and awareness in product safety and quality.
- Maintain proactive communication of product safety concerns across the supply chain and stakeholders.



Lab Equipment



- | | | |
|--------------------------------------|------------------------------------|-------------------------------------|
| • Electronic Balance | • Universal Testing Machine | • Karl Fischer Apparatus |
| • Bursting Strength Tester | • Cupping Value Tester | • Portable Hardness Tester |
| • Electric Oven up to 300 °C | • Muffle Furnace up to 1000 °C | • Distillation Apparatus |
| • Cannon-Fenske Kinematic Viscometer | • Digital Micrometers (0 to 25 mm) | • Pensky Martens Flash Point Tester |
| • FTIR | • Gloss Meter | |



Our Business Philosophy

**Built on Trust.
Guided by Purpose.**

At GLS Aluminium, our business ethos is grounded in long-term partnerships, precision quality, and a relentless pursuit of operational excellence. We collaborate closely with global clients across packaging, industrial, energy, and FMCG sectors, delivering aluminium foil solutions that meet evolving needs with agility and accountability.

Our customer-centric model emphasizes transparency, traceability, and on-time delivery, making us a trusted partner in even the most regulated industries. Each engagement is underpinned by an unwavering commitment to ethics, compliance, and value creation.



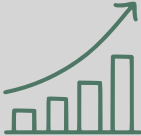
Reliability & Supply Assurance



On-Time Delivery



Technical Support & Ethical Compliance



Continuous Improvement



Lean Manufacturing

Technology & Innovation

**Advanced Infrastructure.
Constant Evolution.**

With one of the widest aluminium rolling mills in the world (2200mm) and a campus spanning over 40 acres (1,61,874 m²), GLS Aluminium's integrated facility is engineered for scale, speed, and precision.

Our focus on advanced process control, digital monitoring systems, and alloy diversity (1xxx, 8xxx, 3xxx) ensures consistent quality, ultra-thin foil production from 5.3 microns to 50 microns, and tailor-made technical specifications for clients worldwide.

We operate under a formal Technology Transfer Agreement with international leaders, enabling continuous upskilling, process innovation, and application-specific solutions for high-performance end uses.



Ultra-thin Gauge Foil Expertise



In-House R&D + Quality Testing



Consistent Quality



Technology Transfer

From sourcing, production, quality control to delivery, our entire value chain is optimized for environmental performance and social responsibility. We prioritize transparency in emissions reporting, ethical labour practices, inclusive workplace culture, and robust governance standards.

By aligning with global ESG benchmarks and stakeholder expectations, we strengthen our commitment to a low-impact, resilient, and future-ready organisation.

Sustainability & ESG

**Sustainability by Design.
Responsibility in Practice.**

At GLS Aluminium, sustainability isn't an afterthought, it is integrated into every aspect of our operations. We are dedicated to minimizing our environmental footprint while upholding the highest standards in responsible aluminium production.

Our ESG framework guides long-term value creation by integrating environmental sustainability, social responsibility, and sound governance into every level of our operations.



ISO-Certified Energy Protocols



Climate-Conscious Manufacturing



Transparent ESG Disclosures

Environmental Responsibility

Responsible Sourcing. Sustainable Manufacturing. Environmental Compliance.

At GLS Aluminium, sustainability is a priority and a core element of our daily operations. We are dedicated to minimizing our environmental footprint while upholding the highest standards in responsible aluminium foil production.

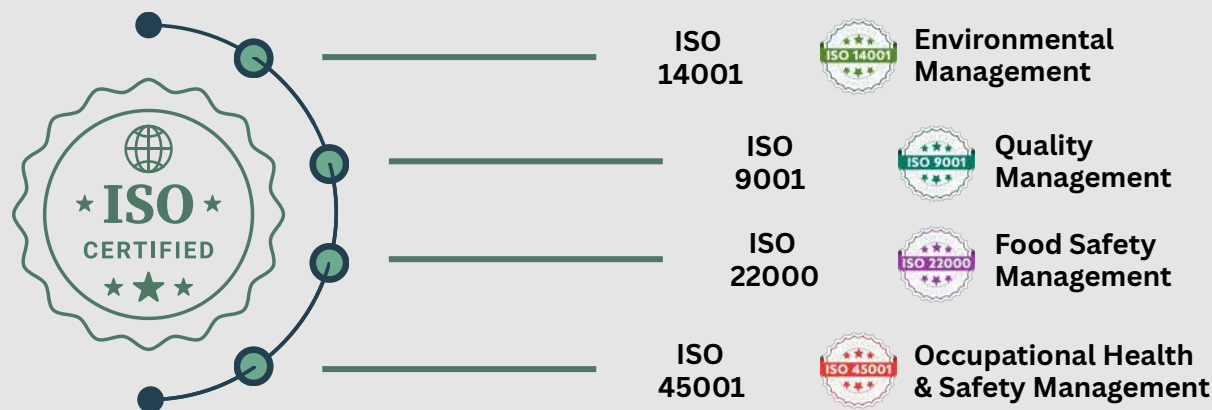
Aluminium in the Circular Economy

As a fully recyclable material, aluminium lies at the heart of a sustainable future. Our manufacturing processes emphasize efficient resource use, waste reduction, and scrap recycling - helping us deliver products that support circular economy principles without compromising performance.

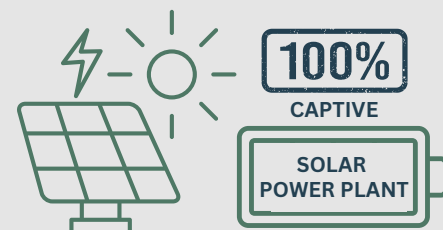


Certified Environmental Commitment

We operate under a robust portfolio of internationally recognised certifications, demonstrating our unwavering commitment to sustainable excellence:



GLS Aluminium is advancing its sustainability efforts with the planned installation of a **100% captive solar power plant**. This initiative will allow us to meet our entire energy requirement through renewable sources, significantly reducing our carbon footprint and reinforcing our commitment to clean, self-sustained manufacturing.



At GLS Aluminium, environmental responsibility is not just a policy, it's our core principle.



Compliance & Certificates



A recipient of the Silver **EcoVadis Medal**, recognising our performance in environmental and social governance.



A certified member of the **Aluminium Stewardship Initiative (ASI)**, reflecting our commitment to ethical and sustainable aluminium sourcing.

An organisation aligned with the EU's **Carbon Border Adjustment Mechanism (CBAM)**, ensuring transparent CO₂ emissions reporting and continuous improvement in climate compliance.



Shaping a Low-Impact Future

From investing in energy-efficient technologies to developing recyclable, high-barrier aluminium foil solutions, we are continuously innovating towards a lower-carbon, more sustainable future. Our commitment spans the entire value chain, from responsible sourcing and process optimization to product design that supports circular economy principles.



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Aluminium Foil Rolling Plant

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