



Think Foil. Think Trefoil.



India's Pre-eminent Aluminium Foil Manufacturer

Discover the equilibrium of innovation and quality with our cutting-edge aluminium foil solutions

Trefoil is one of India's leading aluminium foil manufacturer. We're revolutionising the industry with our innovative packaging solutions and new technology and processes. With a state-of-the-art manufacturing facility, we ensure products are protected with increased shelf life from environmental factors like moisture and oxygen to maintain their potency and better efficacy.

Our Strengths

We're offering world-class packaging solutions globally

- Our in-house Foil Rolling Mill, a key part of Trefoil's backward integration strategy, specializes in producing ultra-thin light-gauge foil down to 5 microns.
- With a monthly capacity of 1200 MTS conversion and 1500 MTS bare, we meet the strict standards of global pharma exports.
- **Auto Flatness Control (AFC) Automatic Gauge Control (AGC)**
X-ray Thickness Gauge – Honeywell, Germany
Oil Mist Recovery (OMR), Rolling Oil Recovery (ROR) Systems
Pinhole Detection Device – Arck, France, **Roll Grinder** – Herkules, Germany
- High-Definition Multi-Color Printing (Up to **7 Colors**) with front-back registration
- High-quality **Reverse & Surface** printing for Alu-Alu
- Web camera for **defect detection & auto registration**
- **Advanced Air Handling Units (AHUs)** for controlled temperature, humidity, and disecure level
- In-house foil manufacturing (**5.3μ to 80μ**) Fastest material availability, bank of foil stock in different alloys
- **Online GSM testing** for viscosity controls & accuracy coating, weight across the web
- **Certified cleanrooms** designed for **pharmaceutical -grade** operations
- **Dedicated gowning rooms** to ensure **contamination -free entry** and compliance with c **GMP standards**



Our Offerings

At Trefoil, we offer a range of high-quality aluminium foil products designed to meet your unique and customized needs. With the highest quality standards and technological know-how, we manufacture tailor-made foil laminates for our partners.

We deliver high-precision aluminium foil solutions powered by world-class manufacturing infrastructure and technology.



Converted Foils:

Cold Form Blister (Alu-Alu)

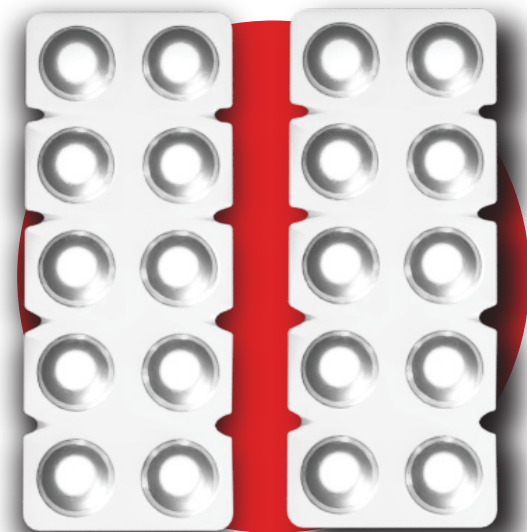
- Structure: 25 μ OPA, 45 μ / 50 μ / 60 μ Soft Aluminium Foil, 60 μ / 100 μ PVC
- Thickness Tolerance: $\pm 10\%$
- Width (mm): 50 - 980
- Alloy: AA8021
- Temper: Soft
- Foil Surface: DSO

End Use: For Packaging of different types of Drugs/Medicines/Formulations

Tropical Blister Foil

- Structure: 25 μ OPA 45 μ Soft Aluminium Foil - 7 to 9/9 to 11 GSM HSL
- Thickness Tolerance: $\pm 10\%$
- Width (mm): 50-980
- Alloy: AA8021
- Temper: Soft
- Foil Surface: DSO

End Use: Cold formable laminate for Blister Packaging



Blister Foil

- Structure: Plain & Printed
- 20μ /25μ /30μ Hard Aluminium Foil - 5 to 7 GSM
Regular & Universal HSL
- Thickness Tolerance: $\pm 8\%$
- Width (mm): 50-980
- Alloy: AA8011
- Temper: Hard
- Foil Surface: DSO/BSO

End Use: For Packaging of different types of Drugs/Medicines and Highly Sensitive Solid Dosages.



Strip Foil

- Structure: Plain & Printed
- 30μ /40μ Soft Aluminium Foil - 37.5 LDPE Plain
- Thickness Tolerance: $\pm 8\%$
- Width (mm): 50-980
- Alloy: AA8011, 8079
- Temper: Soft
- Foil Surface: DSO/BSO

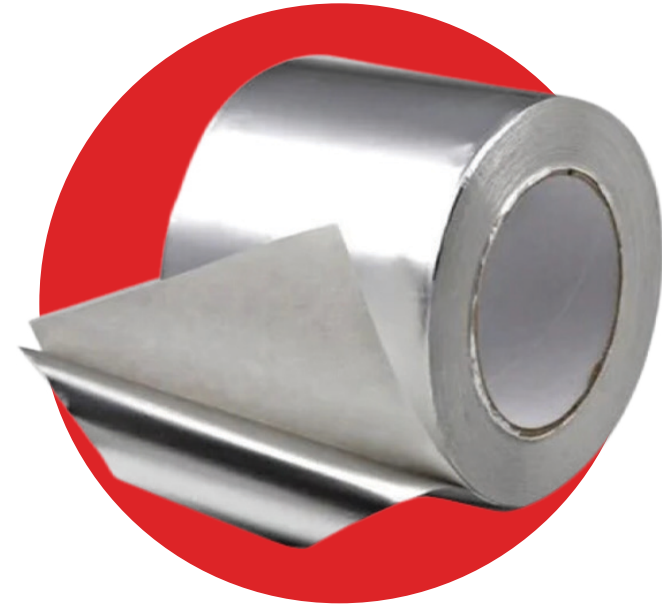
End Use: For Packaging of different types of Drugs/Medicines and Highly Sensitive Solid Dosages.



Laminate

- Structure: 12 μ PET / 12 μ Soft Aluminium Foil / 50 μ / 40 μ PE
- Thickness Tolerance: $\pm 8\%$
- Width (mm): 50 - 980
- Alloy: AA8011, 8079
- Temper: Soft
- Foil Surface: DSO

End Use: For Pharmaceuticals, Food, Fasteners, and Beverages



Suppository

- Structure: Plain & Printed
- 45 μ / 50 μ Soft Aluminium Foil - 25 μ / 30 μ Peelable / Sealable LDPE.
- Thickness Tolerance: $\pm 8\%$
- Width (mm): 50 - 980
- Alloy: AA8011, 8079
- Temper: Soft
- Foil Surface: DSO/BSO

End Use: Highly Moisture Sensitive Product / Solid Dosages.

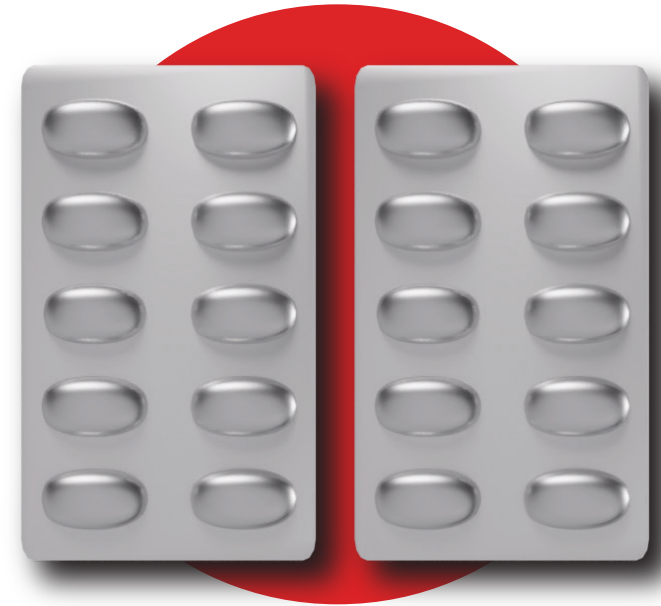
Cold Form Blister (Alu-Alu).



Cold Form Blister with Primer (Alu-Alu with Primer)

- Structure: 25 μ OPA, 45 μ / 50 μ Soft Aluminium Foil, 60 μ PVC with Primer
- Thickness Tolerance: $\pm 10\%$
- Width (mm): 50 - 980
- Alloy: AA8021
- Temper: Soft
- Foil Surface: DSO

End Use: For Packaging of different types of Drugs/Medicines/Formulations.



Child Resistant/SF Lidding Foil

- Structure: 40 GSM / 50 GSM Paper - 12 μ Pet - 20 μ / 25 μ Soft Aluminium Foil - 7 GSM HSL
- Thickness Tolerance: $\pm 8\%$
- Width (mm): 50 - 980
- Alloy: AA8011, 8079
- Temper: Soft
- Foil Surface: DSO

End Use: Child Resistant/Senior Friendly product for Safety and Convenience.



Desiccant Foil

- Structure: Plain & Printed
- PET 12-20 μ / Aluminum Foil 9-20 μ / Desiccant Polymer 50-80 μ / Sealable PE 40-60 μ .
- Thickness Tolerance: $\pm 8\%$
- Width (mm): 50-980
- Alloy: AA8011, 8079
- Temper: Soft
- Foil Surface: DSO/BSO

End Use: Highly Moisture Sensitive Product/Solid Dosages.



Coatings & Inks Offered:

We offer a wide range of high-performance coatings and inks tailored for pharmaceutical-grade foil applications:

- Primer – For excellent ink adhesion
- HSL (Heat Seal Lacquer) – Reliable sealing for blister & strip packs
- UHSL (Universal Heat Seal Lacquer) – Enhanced seal strength for critical packaging
- NC-Free – Eco-friendly alternative to traditional coatings
- NC (Nitrocellulose) – Fast-drying, high-clarity ink system

Each solution ensures durability, compliance, and compatibility with global pharma packaging standards. Offering contamination-free, durable printing with excellent heat and chemical resistance.

Printing Packaging:

Aluminium Foil Printing for Blister, Strip & Alu-Alu Packaging
High-Precision Printing. Pharma-Grade Performance.

At Trefoil Packaging Pvt. Ltd., we offer specialized aluminium foil printing solutions for the pharmaceutical industry, including tablets, capsules, and sensitive formulations packed in blister, strip, and Alu-Alu packaging with **reverse & surface printing solutions**

Why Choose Our Printed Foils?

- ✓ High-Definition Multi-Color Printing (Up to 7 Colors)
- ✓ Front & back registration with auto-accuracy
- ✓ Web video monitoring for on-line issue detection
- ✓ Smudge, heat & scratch-resistant coating
- ✓ Custom printing: logo, batch no., expiry date & QR codes
- ✓ Compatible with Blister, Strip & Alu-Alu packaging
- ✓ Printed using certified pharma-grade inks & solvents
- ✓ Electronic & Chemical Cylinder Printing Options
- ✓ Coating Options: Primer, HSL, UHSL, NC-Free, NC-Coated



Industrial Packaging:

Reliable, Durable & Custom Solutions for Heavy-Duty Applications Industrial packaging is designed to protect, store, and transport bulk or high-value products across industries, ensuring they remain safe from moisture, physical damage, contamination, and environmental factors. Unlike consumer packaging, industrial packaging focuses on strength, durability, and functionality, making it ideal for logistics, export, and manufacturing sectors.



Variants / Industrial Products

- Aluminium Foil Laminates – For high-barrier moisture-proof bags.
- Multi-Layer Laminates (PET/Alu/PE) – For chemical and bulk packaging.
- Flexible Heavy-Duty Pouches – For industrial powders, adhesives, or food ingredients.
- Shrink Wrap & Stretch Films – For palletizing and securing goods.
- Kraft Paper Laminates – For protective wraps and export packaging.



Flexible Packaging:

Smart, Lightweight & Sustainable Packaging Solutions

Flexible packaging is a modern packaging solution that uses lightweight, versatile materials such as aluminium foil, plastic films, paper, or laminates to create pouches, sachets, wraps, or bags. Unlike rigid packaging, it adapts to the shape of the product, offering cost-efficiency, superior barrier properties, and excellent customization for various industries.



Counterfeit Packaging:

Counterfeit pharmaceuticals are a serious global threat, risking patient safety, brand reputation, and regulatory compliance. WHO estimates that 1 in 10 medical products in developing countries is substandard or fake, often containing harmful or ineffective ingredients. Counterfeiters frequently target packaging—blister packs, strip foils, and pouches—making secure, tamper-proof, and traceable packaging essential for protection.



Bare Foils:

Ultra-Light Gauge Foil

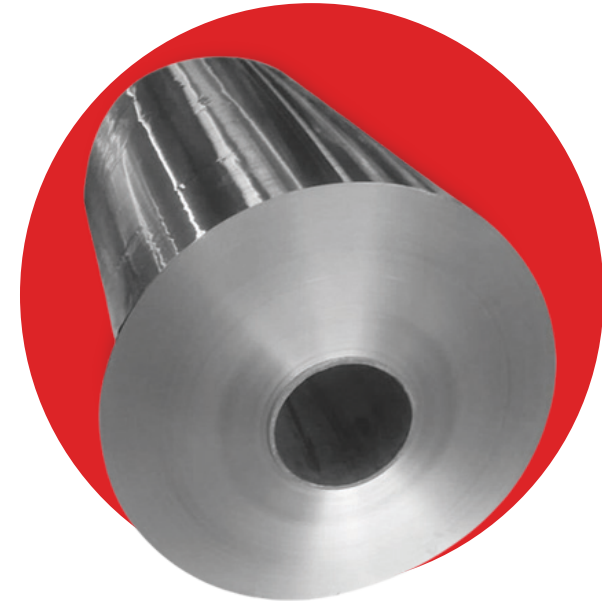
- Structure: 0.0053 - 0.008 mm thickness
- Deckle of 2010 mm
- OD upto 800 mm
- Alloy: 8011/1235/8079
- Temper: Soft ("O")
- Thickness Tolerance: +/- 5%
- Foil Surface: DSO/BSO

End Use: Aseptic and Flexible Packaging.

Light Gauge Foil

- Structure: 0.007 - 0.012 mm thickness
- Deckle of 2010 mm
- OD upto 800 mm
- Alloy: 8011/1235/8079
- Temper: Soft ("O")
- Thickness Tolerance: +/- 5%
- Foil Surface: DSO/BSO

End Use: Flexible Packaging, Food Packaging, Decoration.



Pharma and CFB Foil

- Structure: 0.018 - 0.060 mm thickness
- Deckle of 2010 mm
- OD upto 800 mm
- Alloy: 8011/8021/8079
- Temper: Soft ("O")
- Thickness Tolerance: +/- 5%
- Foil Surface: DSO/BSO

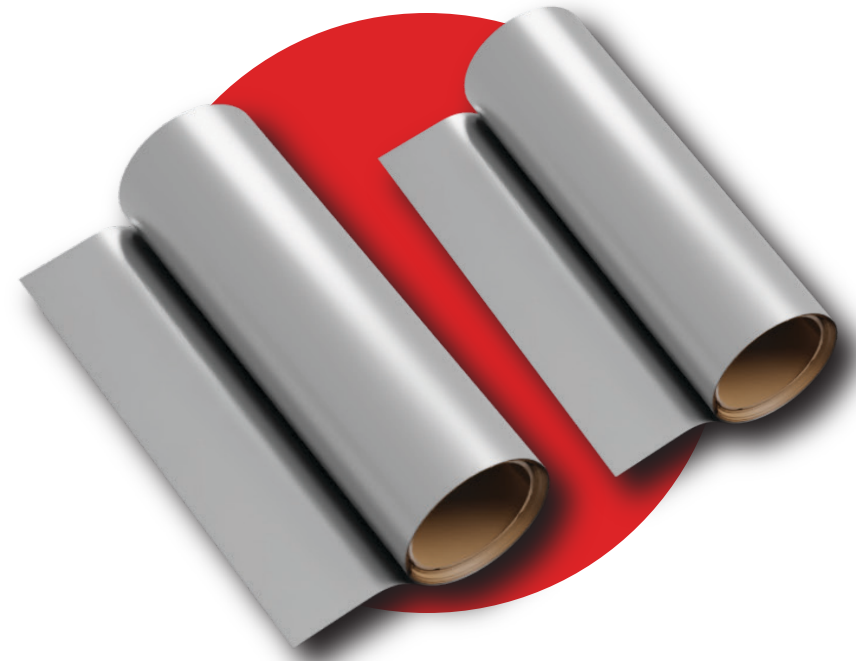
End Use: Pharma Packaging and Lamination.



Household Foil

- Structure: 0.010 - 0.018 thickness
- Width (mm): 290 - 450
- OD upto 800 mm
- Alloy: 8011
- Temper: Soft ("O")
- Thickness Tolerance: +/- 5%
- Foil Surface: DSO/BSO

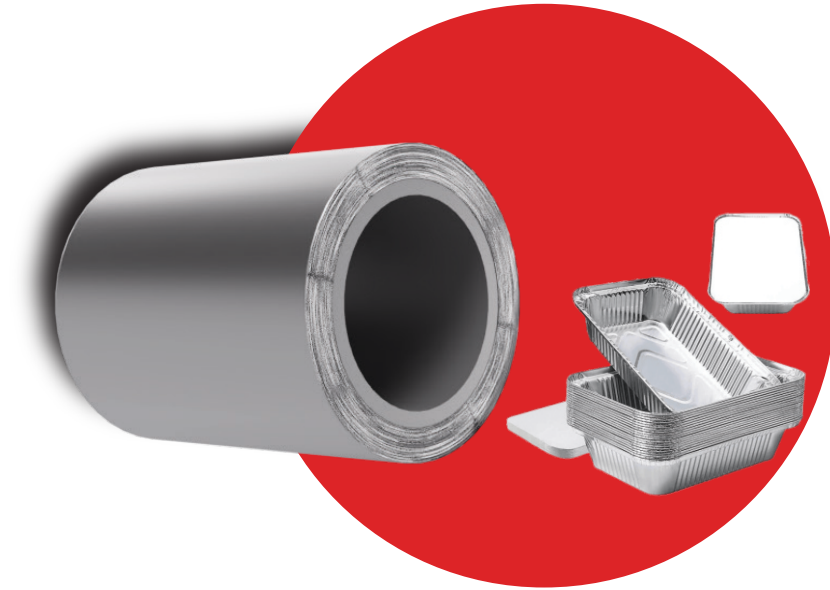
End Use: Food Packaging.



SRC Foil

- Structure: 0.029 - 0.070 thickness
- Width (mm): 200 - 950
- OD upto 800 mm
- Alloy: 8011/8006/3003
- Temper: H24
- Thickness Tolerance: +/- 5%
- Foil Surface: BSB

End Use: Food Packaging.



Behind-the-Scenes

At Trefoil Packaging Pvt. Ltd., our manufacturing process is where precision meets purpose. Every product we create is backed by a commitment to quality, consistency, and innovation. From raw material selection to the final dispatch, each step is carefully monitored to ensure our packaging meets export-grade standards- especially for sensitive and high-value products.



Our aim is to make **Foil Smarter.**

We're committed to making aluminium foil smarter, more efficient, and more effective than ever before. **We do this through:**

Our top notch manufacturing facility in Hyderabad that ensures precision and efficiency offering central and easy transit access across India.

Our Technical team continually pushes the boundaries of excellence and new product development. Our coating and lamination machines produce high-quality strip and blister foils suitable for various forming films. We also offer printed foils with both sides printed and with registration.

We manufacture delamination-resistant alu-alu cold form blister structures with precision and consistency using advanced technology.



Leading with **Integrity**

We maintain a world-class quality laboratory equipped with necessary analytical instruments. Our packaging solutions are included in **Drug Master Files with USFDA and Health Canada** and adhere to strict quality standards to meet industry regulations and standards.

The facility is certified with the following international standards:

DMF 039566 – US FDA: Registered Drug Master File for pharmaceutical-grade materials.

REACH: Compliant with EU chemical safety regulations for health and environmental protection.

Health Canada 2025-010: Approved for use in pharmaceutical packaging as per Canadian regulatory standards.

ISO 15378:2017 – Ensuring safe primary packing materials for medicinal products and GMP compliance.

ISO 9001:2015 – Certified Quality Management System for meeting customer expectations and regulations.

ISO 14001:2015 – Certified Environmental Management System for sustainable and eco-friendly practices.

ISO 45001:2018 – Certified Occupational Health & Safety Management System, prioritizing a safe work environment.

ISO 22000:2018 – Certified Food Safety Management System for ensuring safe food-related products.



BIS (Bureau of Indian Standards) – India's national standards organization ensuring product quality and safety through certification marks.

BRCGS (British Retail Consortium Global Standards) – Internationally recognized certification for food industry suppliers, verifying adherence to high safety and quality standards.

Kosher Certificate 2025012505 – that a product aligns with Jewish dietary laws, allowing its consumption by observant Jewish individuals.

Halal certified 2025012506 - confirming they are free from any prohibited substances and are manufactured in compliance with **Islamic guidelines** consumer markets.

These certifications exemplify our commitment to quality, safety, and environmental responsibility, solidifying our reputation in pharmaceutical and food packaging.

We employ a **data-based SAP system** for efficient processes, batch tracking, and traceability. Automation and **SCADA systems** are used for control, monitoring, and analysis.

Our integrated approach seamlessly connects foil to production, setting us apart from the competition. This cohesive synergy results in streamlined processes and exceptional outcomes.



Leading the Way in **Quality Foil Production**

Our state-of-the-art foil rolling mill produces ultra-light gauge foils with gauge and flatness and control. The mill is equipped with advanced process control systems - ACC and AFC along with recovery systems - OMR and ROR, the separator with pinhole detection devices and roll grinder for accurate camber and surface roughness.

Additionally, the temperature-controlled **Air Handling Unit (AHU)** facility optimizes production and provides a comfortable working environment for operators. We lead the industry in delivering exceptional foils to meet diverse customer needs. Our company's commitment to quality, which ensures that you always receive the highest-quality products and services.

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From Director's Desk

We're proud to be one of India's top aluminum foil manufacturers.

At Trefoil, we're committed to delivering cutting-edge solutions that revolutionize the industry. Our mission is to create high-quality, innovative products that protect and preserve the things that matter most to our customers.

Thank you for considering Trefoil for your aluminium foil needs.

Explore our
product range





We look forward to working with
you and **make the foil smarter.**

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