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# Climate Strategy Report 2025

Building a Sustainable Future



# A Message from Our Leadership

At Big Apple Nails, the strength of our products must be matched by our commitment to the planet. For years, our nails have held the world together; today, "holding it together" means protecting the environment we share. Inspired by industry leaders, we are embarking on a transformative journey: "Fastening for Good." This report outlines our comprehensive approach to climate action and global sustainability.

**We are committing to achieving Net-Zero Emissions by 2050. This is a promise to our customers and future generations. By transitioning our supply chain, optimizing manufacturing processes, and innovating our product lines, we ensure that every nail we produce contributes to a greener world. Join us as we build a sustainable future, one nail at a time.**





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# THE NAIL Principle

Our Vision To be the world's most trusted provider of sustainable fastening solutions, driving innovation in the steel wire industry.

Our Mission To deliver superior quality nails that meet the rigorous demands of modern construction while minimizing our environmental footprint through responsible sourcing and efficient manufacturing.

## Our The "NAIL" Principles

- **Nature-Positive:** We prioritize the environment in every decision.
- **Accountability:** We own our impact and our targets.
- **Innovation:** We constantly seek better, cleaner ways to manufacture.
- **Leadership:** We set the standard for safety and quality.





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# OUR CLIMATE STRATEGY FRAMEWORK

## "Fastening for Good" Strategy

Our climate strategy is built on three robust pillars designed to drive decarbonization across our entire value chain. We have adapted global best practices, such as the "Best for All" philosophy, to fit our unique position in the wire products industry.

**Pillar 1:** Sustainable Sourcing We cannot produce green products without green inputs. We are shifting our procurement to prioritize steel wire produced via Electric Arc Furnaces (EAF) and suppliers committed to renewable energy.

**Pillar 2:** Operational Efficiency We are transforming our factory floor. From upgrading to energy-efficient motors in our wire-drawing machines to installing on-site solar power, we are reducing the carbon intensity of our manufacturing.

**Pillar 3:** Product Stewardship We are designing waste out of the system. This includes developing "Eco-Collation" solutions (replacing plastic with paper or wire) and ensuring our packaging is 100% recyclable.





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# DECARBONIZING OPERATIONS

## Energy Efficiency Initiatives

- **Smart Machinery:** We are retrofitting our nail collating machines with variable frequency drives (VFDs) to reduce electricity consumption by up to 15%.
- **LED Lighting:** We have transitioned 100% of our facility lighting to high-efficiency LEDs with motion sensors.
- **Heat Recovery:** We are exploring technology to capture waste heat from our manufacturing processes to warm our facilities during winter.

**Renewable Energy Transition** Big Apple Nails is committed to powering our growth with the sun.

- **Rooftop Solar:** By 2026, we aim to install a 500 kW rooftop solar plant at our primary manufacturing facility, covering 40% of our daily energy needs.
- **Green Power Purchasing:** For the remaining energy needs, we are entering into Power Purchase Agreements (PPAs) to source wind and solar energy from the grid.



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We are setting a new standard for our raw materials. We prioritize suppliers who offer:

- ISO 14001 environmental certification.
- Transparent Environmental Product Declarations (EPDs).

Local Sourcing To reduce transportation emissions, we aim to source 80% of our wire rod from domestic mills within a 500 km radius of our factory, reducing the carbon cost of logistics.



# Sourcing the Steel of Tomorrow

For a nail manufacturer, steel wire represents the largest portion of our carbon footprint (Scope 3). To truly decarbonize, we must partner with the right steel mills.

Prioritizing EAF Steel Traditional Blast Furnace (BF) steelmaking is carbon-intensive. We are actively shifting our procurement strategy to source wire rod from mills utilizing Electric Arc Furnace (EAF) technology.

EAF production generates approximately 75% less CO<sub>2</sub> than traditional methods and utilizes high amounts of recycled scrap steel.



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# PRODUCT INNOVATION & PACKAGING

## Product Stewardship

We are redefining what a "sustainable nail" looks like. It is not just about the steel; it is about how it is collated, packaged, and delivered.

Big Apple Nails is moving towards sustainable packaging by eliminating virgin plastic with key initiatives:

- **\*\*100% Recycled Cartons\*\***: Packaging made from fully recycled cardboard.
- **\*\*Water-Based Inks\*\***: Non-toxic inks to prevent contamination in recycling.
- **\*Bulk Efficiency\***: Improved pallet stacking enhances product capacity by 10%, reducing delivery trips.





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# SOCIAL RESPONSIBILITY (SAFETY & PEOPLE)

Big Apple Nails aims for a Zero Harm culture, empowering all employees to halt work when they encounter unsafe conditions.

They track Total Recordable Incident Rate (TRIR) to exceed industry benchmarks.

Additionally, the company engages with local communities by dedicating a portion of annual profits to vocational training programs for youth in construction and manufacturing trades.



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# GOVERNANCE & ETHICS



## Ethical Foundation

Our path toward sustainability is built on a solid governance framework. We prioritize transparency, integrity, and a steadfast commitment to ethical practices.

## Compliance & Transparency

- Code of Conduct: All suppliers are required to sign our Supplier Code of Conduct, ensuring fair labor practices and adherence to environmental standards.
- Reporting: We will release an annual update to this Climate Strategy Report, providing insights into our progress against our Key Performance Indicators (KPIs).

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# Thank You

The future of construction is green, and the future of manufacturing is responsible.

Big Apple Nails is proud to lead this charge in the collated fasteners industry. We invite our customers, partners, and stakeholders to join us. Together, we can build a world that lasts.

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