

<b>850→950 HV</b> Higher Wire Tip Hardness	<b>100%</b> Digital Tooth Inspection	<b>6</b> Technology Innovations	<b>2</b> Patented Wire Designs
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ICC has partnered with GWL UK, a 150-year-old European pioneer in Non-Woven and Recycled Material Processing industries. By uniting ICC's manufacturing precision with GWL UK's expertise, we are committed to the constant evolution of our products and processes. Our investment in state-of-the-art high-precision rolling technology allows us to produce wire profiles with unmatched geometric accuracy, adhering strictly to DIN international standards.

We've set a new benchmark for reliability. Every single tooth on every wire we produce now undergoes rigorous real-time electronic inspection. Using advanced online digital devices, our automated system monitors tooth height, geometry, and structural integrity. Our system ensures consistent hardness through digital controls, halting production instantly if even a minor deviation is detected.

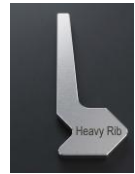
## Key Improvements & Technology Initiatives

01

### Engineered Heavy Rib & Thin Blade Profiles

Two specialized blade profiles designed to tackle toughest nonwoven and recycling challenges. **Thin blades** for high-precision carding or **heavy ribs** for rugged durability, our engineered solutions match specific fibre types and speeds.

Optimize your efficiency and achieve superior web quality with wire profiles built for your unique operating conditions.



02

### Cardrite™ Wire — Patented Randomised Tooth Distribution

Boost carding intensity with Cardrite. Beyond sharp wires, our patented design focuses on **higher transfer efficiency** for superior fibre collection. By perfecting the interaction between the worker and cylinder, Cardrite ensures a more positive transfer on doffers for a flawless web—all without the fibre sticking that plagues standard wires. Experience the power of controlled randomization



03

## Stainless Steel Wire — Patented Rust-Free Technology

Our new patented **Stainless Steel Card Wire** offers a dual-action solution: the high-performance carding power you expect paired with total corrosion immunity. Ideal for **implantable textiles** and **specialty nonwovens**, this technology is your safeguard against contamination and wear in sensitive environments. Experience the same reliability that has made it a top choice for leading European medical, hygiene nonwoven markets.

04

## Enhanced Wire Tip Hardness

Precision carding demands a wire that stays sharper for longer. By leveraging advanced heat treatment across our finer wire ranges, ICC offer a measurable leap in tip hardness **with higher hardening depth**. This enhancement is engineered for a **longer service life**, consistent carding results and reduction in long-term maintenance costs.

05

## Special Knurled Base Interlocking Technology (GWL, UK)

By incorporating **GWL (UK) technology**, ICC has introduced fine serrated grooving to the male and female faces of our interlocking V-profiles for a **positive mechanical lock**. The result? A rock-solid wire that resists the stresses of high-speed operation and delivers long-term dimensional reliability.

06

## Polished Wire Profiles

The quality of a nonwoven web is decided at the points of transfer. To ensure peak performance, we implement an advanced polishing process across our **wires**. This protects fibre integrity, leading to a more consistent web and extended service life of your card.

## Our Quality & Compliance Commitment

Maximize your uptime with ICC's comprehensive after-sales support. Our team of trained engineers are available via our global network of service centres to provide professional mounting and regular health checkups for your equipment. We don't just supply wire; we work closely with our nonwoven customers throughout the entire life of the product to optimize performance and ensure your operations never slow down. Experience the peace of mind that comes with a partner committed to your long-term productivity

**Delivering More. Together!**