

The surface **is** the heater.

NEXTONE makes the world's first **commercialized CNT-Graphene surface-heating glass** — even, wire-free far-infrared warmth fired directly into tempered glass. No wires, no hot spots, completely invisible. We supply the heating module and co-develop it into premium beds, benches, tables and panels, so the warmth is felt, never seen.

Since 1984

40 YEARS
GLASS MANUFACTURING

World-First

COMMERCIALIZED
CNT SURFACE HEATING

150 Benches

LIVE · 20+
KOREAN CITIES

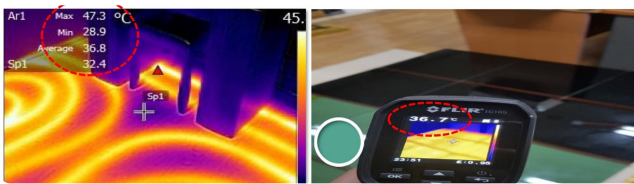
14+ Patents

CORE IP
NEP · KS CERTIFIED

–80% / –26%

ELECTRICITY /
LIFECYCLE COST

THE PROOF — ONE EVEN 36.7°C



A metal wire heats in lines — hot where the wire runs, cold between. On a thermal camera, wire elements swing roughly **18°C** between hot-spots and cold zones. A NEXTONE surface heats as one continuous plane and holds a uniform **36.7°C** — with **80% lower electricity use** and a **26% lower five-year lifecycle cost** than conventional heated units.

HOW IT'S MADE — FIRED INTO THE GLASS

1. CNT ink application — the transparent carbon-nanotube heating layer is coated onto the glass. **2. Ceramic design printing** — any artwork, pattern or brand is printed into the surface. **3. 900°C tempering & lamination** — fired and bonded into safety glass; UV- and vandal-proof, never fades. Built in-house at the Haman facility, with a controller (timer · thermostat · leakage breaker) at 24V / 48V / 220V.

WHY IT'S DIFFERENT

Wire Heating

Metal coils — uneven heat, hot-spots, wire fatigue, breakage and recall risk.

Film Heaters

Bolt-on pads & controllers — better, but still seen and separate from the design.

NEXTONE Surface

CNT-Graphene glass — the surface is the heater. Even warmth, fully concealed.



Premium furniture, going functional. Comfort and warmth are becoming reasons to buy — and NEXTONE puts the heat inside the surface itself, so a designer's line stays intact. Any art or finish is ceramic-fused at 900°C and never fades.

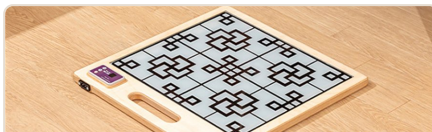
PRODUCTS & MODULES



Far-Infrared Glass Bed

Ceramic-art heating-glass sleeping surface on hardwood, independent dual-zone.

2,020 × 1,700 × 1,260 mm



Heated Therapy Mat

Italian leather & birch — wellness, recovery and senior-care warmth.

1,990 × 900 × 80 mm



Heated Art Glass Table

Ceramic-printed art fused into the surface — décor and heating in one pane.

Custom sizes



Heated Sofa & Bench

Concealed warming seat for sofas, lounge and benches — warmth where the body rests.

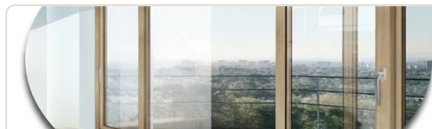
Custom sizes



Outdoor Heated Bench

Aluminium frame, tempered heating-glass seat, auto temp — 150 live in Seoul.

2,030 × 330 × 430 mm



OEM Heating-Glass Module

Laminated components for custom integration into your own products.

Up to 2,500 × 1,200 mm

QUALITY & CERTIFICATION

- ✓ World's first **commercialized** CNT surface-heating glass — 14+ patents
- ✓ **NEP** (New Excellent Product) — awarded for the heated bench
- ✓ **KS** safety glass · KC · Excellent-Procurement · Performance-certified
- ✓ ISO 9001 / 14001 / 45001 · Materials & Parts Specialist (MOTIE, 2019)
- ✓ Even far-infrared 36.7°C · no wire hot-spots · no recall risk

IN THE FIELD

- ✓ **NC Dinos** — heated dugout benches, Changwon NC Park
- ✓ **Seoul (Seocho)** — 150 heated bus-shelter benches
- ✓ **Senior-welfare centres** — heated therapy furniture
- ✓ Deployed across **20+ Korean cities**, through multiple winters
- ✓ Applications: greenhouse · architectural glazing · polar-vessel glass

THREE WAYS TO PARTNER

OEM Module Supply

The heating module — bed, tabletop, seat, panel — to your line, standard or custom.

Co-Development

A heated piece co-developed around your design and finish — an exclusive new SKU.

Technology Licensing

License the CNT surface-heating technology, protected by 14+ patents.

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