

FLEXPRO PRO-8 (X-Chain Four-Dimensional Focus Series)





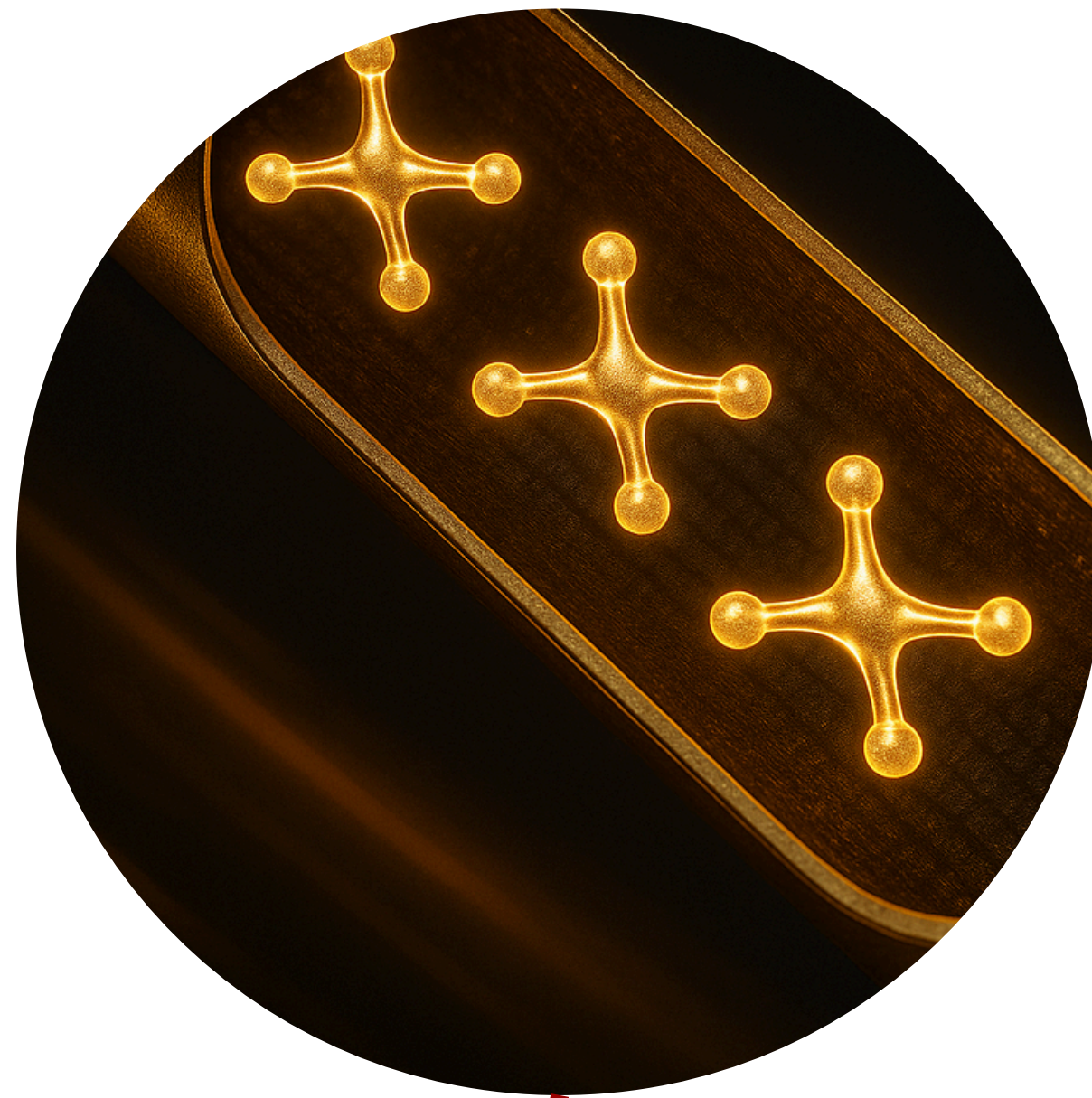








Technical Specification



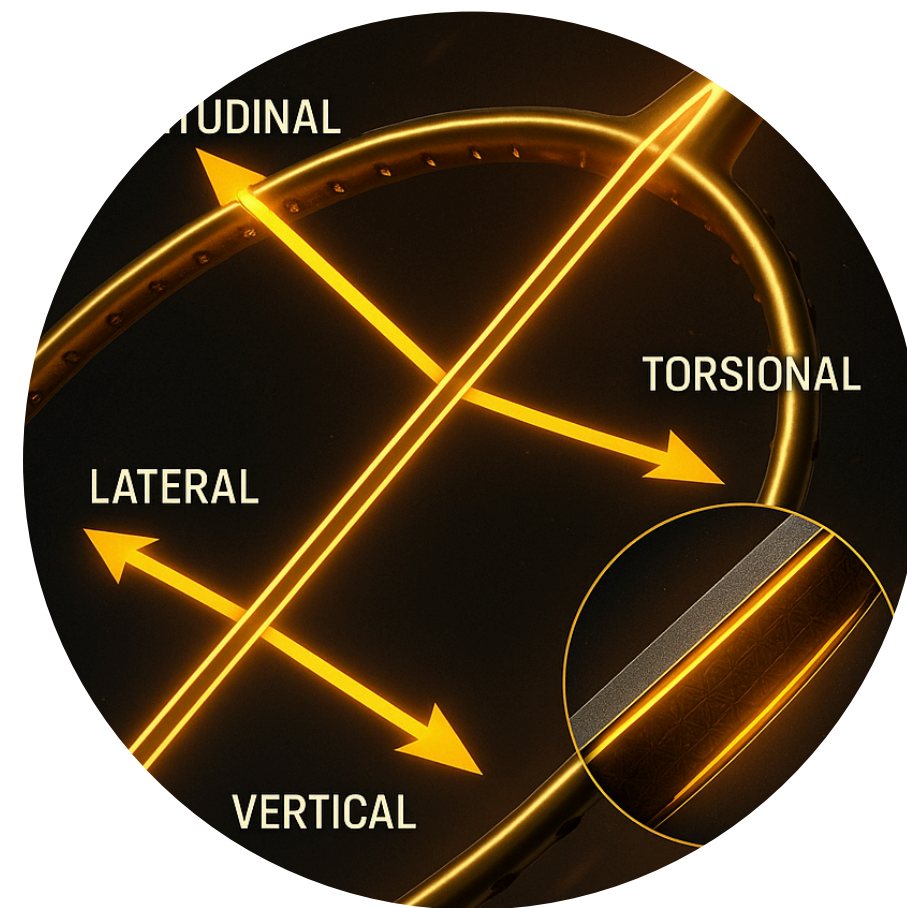
X Chain Fullerenes Nano

Nano-scale fullerene molecules are bonded in an X-shaped chain network within the racquet's carbon structure. This creates a **reinforced molecular matrix** that's both **lightweight and incredibly strong**.

Performance

- **Strength & Durability** – Fullerene X-chains improve structural toughness, preventing frame distortion.
- **Elastic Power** – Nano bonds increase elasticity, generating explosive shuttle repulsion.
- **Precision & Control** – Reduces vibrations for smoother, more accurate shot placement.
- **Energy Efficiency** – Transfers swing energy more directly into the shuttle for maximum smash power.





Four-Dimensional Focus

Four-Dimensional Focus (4D Focus) is an advanced frame engineering concept that enhances a racquet's stability, control, and responsiveness by reinforcing it along four critical dimensions:

- **Longitudinal Stability** – Improves the racquet's ability to resist bending during powerful smashes.
- **Lateral Strength** – Enhances stability on off-center hits, giving more forgiveness and accuracy.
- **Torsional Rigidity** – Reduces twisting of the frame when the shuttle contacts outside the sweet spot.
- **Vertical Flex Optimization** – Allows controlled flex for energy transfer, maximizing power and shuttle repulsion.

Benefits

- **Stronger Frame Durability** – Reinforced to withstand high tension and repeated impact.
- **Precision & Control** – Reduces distortion for accurate shot placement.
- **Explosive Power** – Efficient energy transfer creates sharper smashes and quicker drives.
- **Consistency** – Better stability means reliable performance across every stroke.

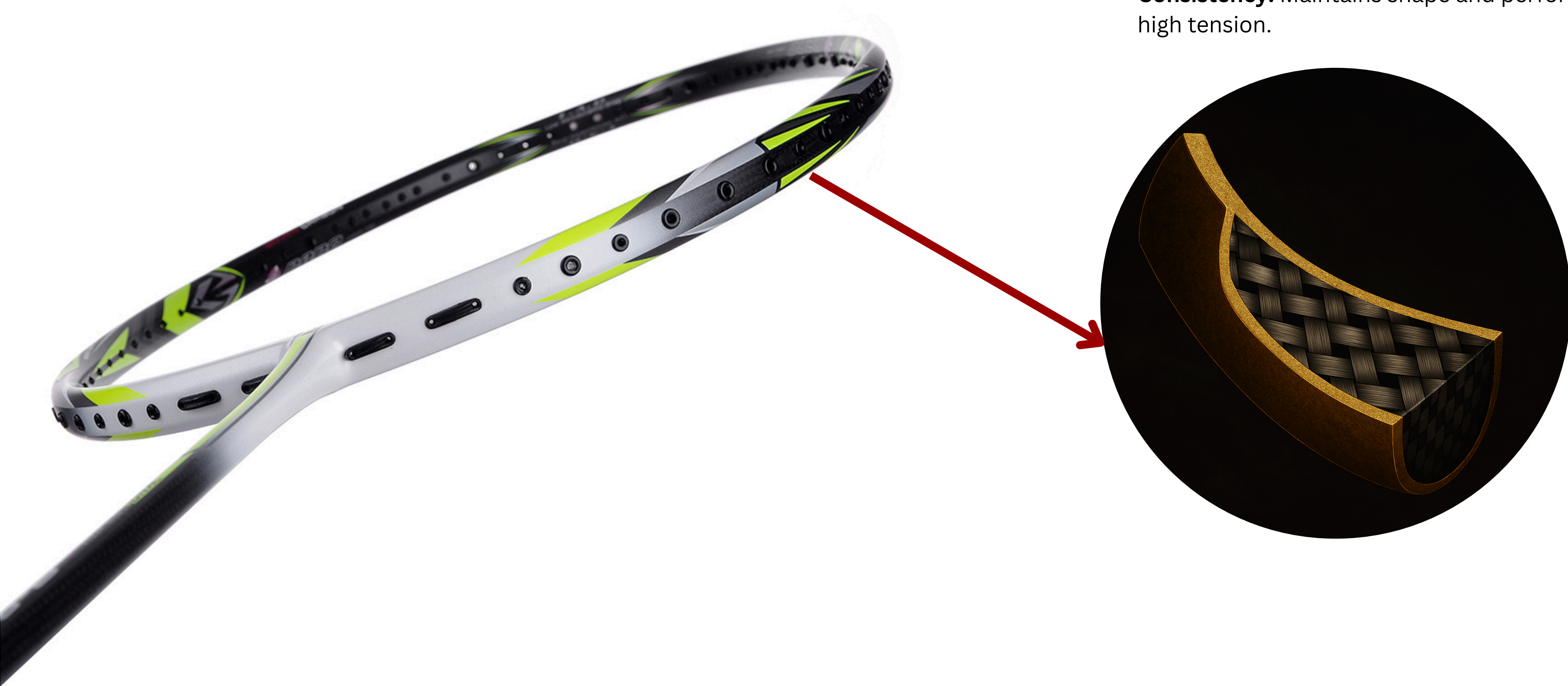


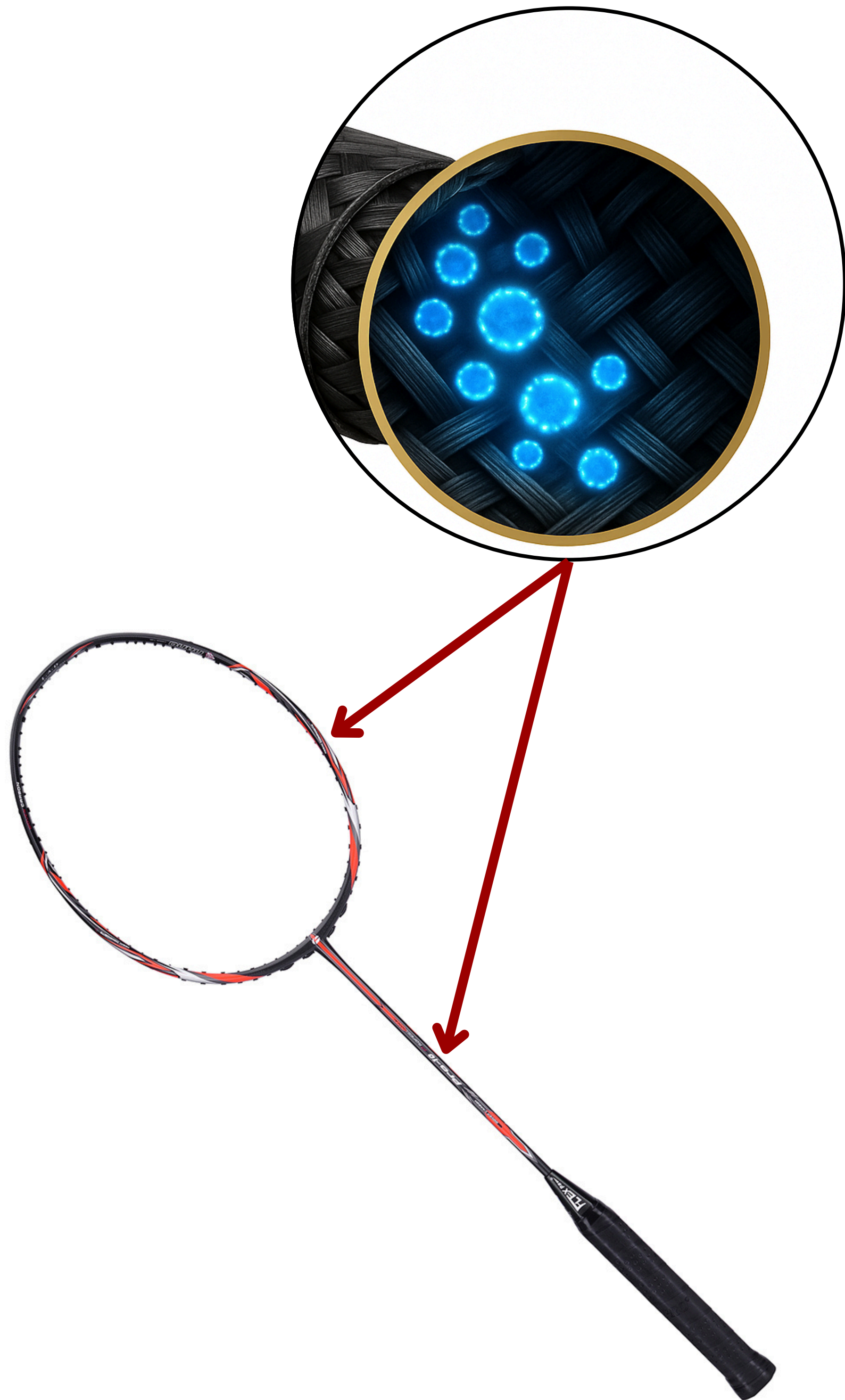
Carbon fiber Woven

Interlaced carbon fibers arranged in a crisscross weave. Unlike single-direction fibers, the woven design offers multi-directional reinforcement, making the racquet both stronger and more durable

Benefits

- **Durability:** Distributes stress evenly to prevent cracks and frame distortion.
- **Power:** Improves shuttle repulsion for stronger smashes.
- **Stability:** Reduces vibrations for smoother handling.
- **Consistency:** Maintains shape and performance under high tension.





Nano technology

Nano Technology enhances racquet performance by integrating **nanometer-scale materials** into the carbon fiber matrix. These nano-particles or nano-tubes reinforce the racquet structure at the molecular level, making it **lighter, stronger, and more durable** without adding extra bulk

Functionality:

- **Nano Reinforcement** – Nano-sized particles fill gaps between carbon fibers, increasing bond strength.
- **Improved Flex & Repulsion** – The nano matrix gives better shuttle rebound and explosive power.
- **Stability & Control** – Reduced frame vibration provides smoother handling and precision.
- **Durability** – Prevents micro-cracks, extending racquet lifespan even under high string tension.

Benefits:

- **Strength & Durability** – Reinforces the frame against repeated impact.
- **Explosive Power** – Increases shuttle repulsion for faster, sharper smashes.
- **Accuracy** – Stabilizes the racquet for cleaner shot placement.
- **Lightweight Performance** – Keeps the racquet easy to maneuver while improving stability.