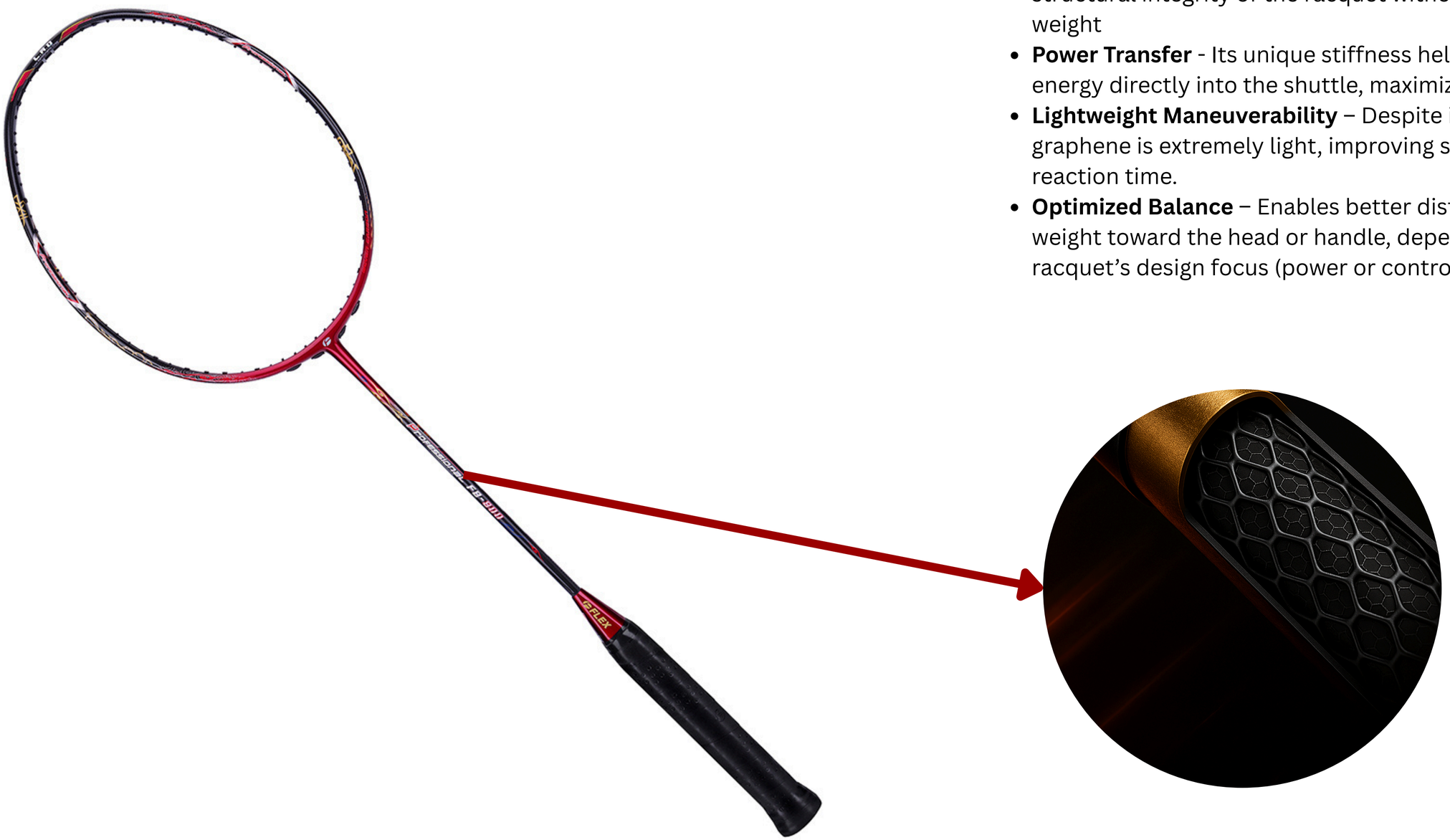
FLEXPRO FB-800 RE/LB (Graphene Four-Dimensional Focus Series)


3U-G2
FLEX


FWG0100090236
26-32lbs
Tension
675±1mm
Length
300±2mm
Balance
86-88g
Weight
DOB-FB-80
PROFESSIONAL

Technical Specification



Graphene

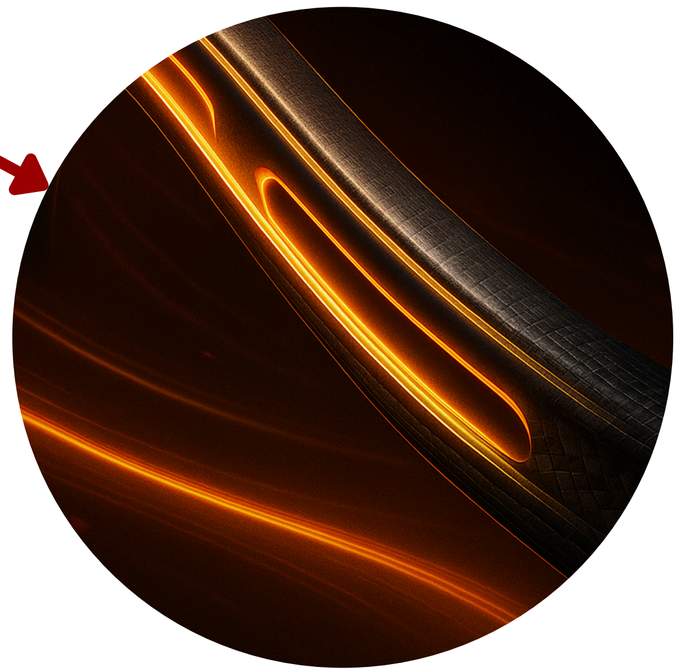
Ultra-light yet incredibly strong carbon material that has revolutionized racquet technology

- **Strength & Durability -** Graphene enhances the structural integrity of the racquet without adding extra weight
- **Power Transfer** - Its unique stiffness helps channel energy directly into the shuttle, maximizing shot power.
- **Lightweight Maneuverability** – Despite its strength, graphene is extremely light, improving swing speed and reaction time.
- **Optimized Balance** – Enables better distribution of weight toward the head or handle, depending on the racquet’s design focus (power or control).

Internal and External Drag Reduction Air Guide

advanced aerodynamic design integrates air channels both inside and outside the racquet frame. These guides streamline airflow as the racquet moves through the air, reducing wind resistance and drag.

- **Strength & Durability** – Reinforced frame structure ensures long-lasting performance while withstanding high-speed swings.
- **Faster Swings** – Reduced drag means quicker racket head speed for faster reactions and powerful shots.
- **Enhanced Control** – Smoother airflow provides greater stability and precision during rallies.
- **Effortless Power** – Less resistance translates into more energy transferred to the shuttle with minimal effort.

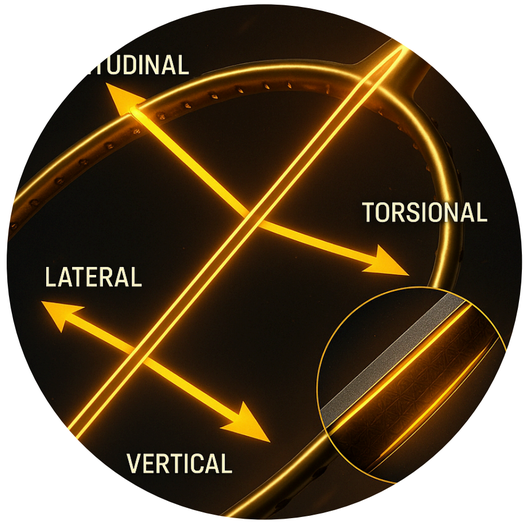


40T Ultra High Rigidity Carbon Fiber

40T grade carbon fiber, a premium material known for its exceptional rigidity, durability, and lightweight properties. Compared to standard carbon fibers, 40T fibers have a higher tensile strength, meaning the racquet can withstand extreme tension without deforming.

Benefits:

- **Strength & Durability** – The ultra-rigid carbon fiber prevents frame distortion, even under heavy impact and high string tensions.
- **Explosive Power** – The stiffness enhances shuttle repulsion, delivering powerful smashes with less energy loss.
- **Sharper Control** – Greater rigidity provides more precision and stability for accurate shot placement.
- **Lightweight Performance** – Despite its strength, 40T carbon keeps the racquet light for faster swings and quick reactions.



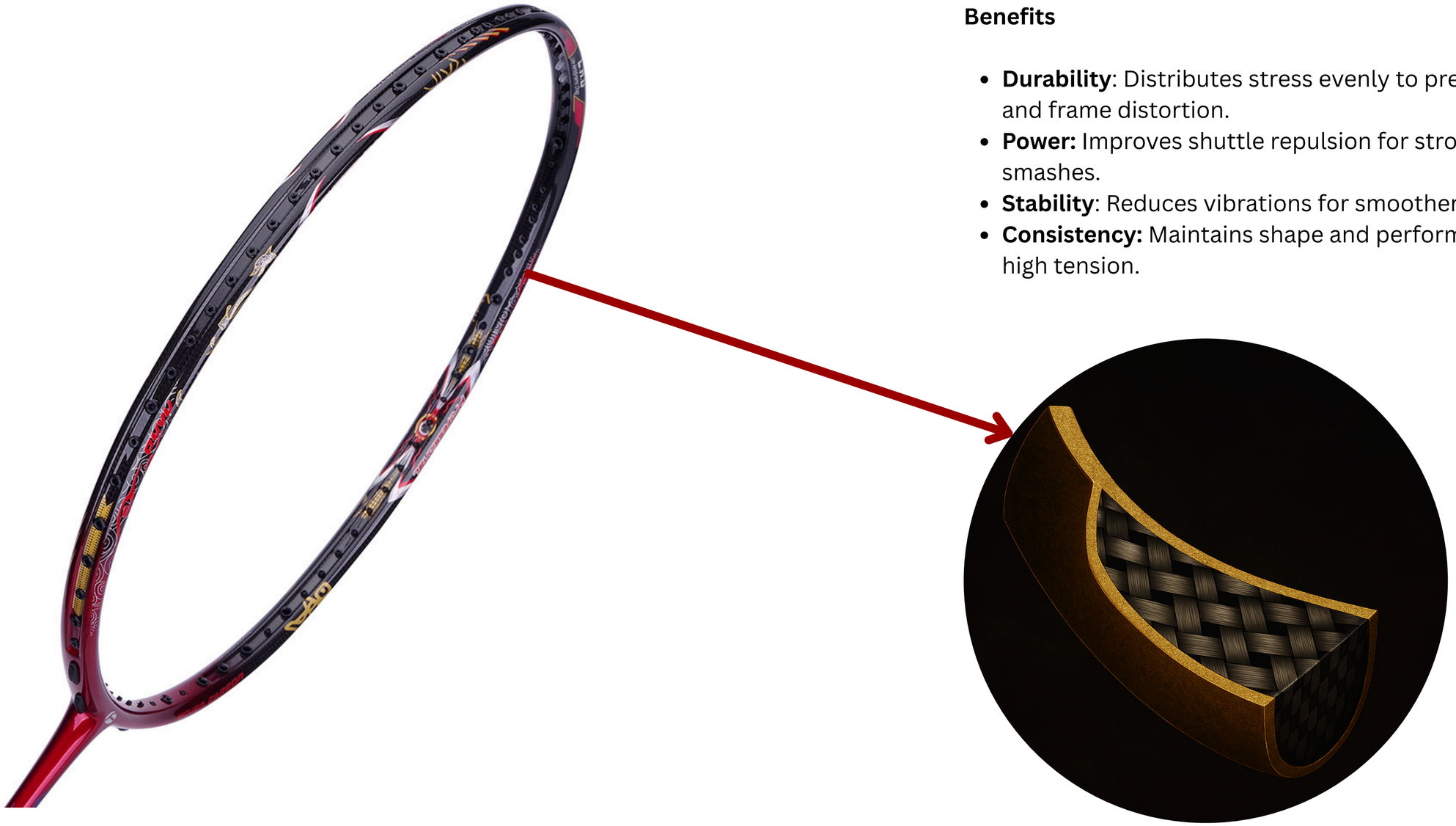
Four-Dimensional Focus

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.