Footwear Technology

YONEX footwear uses the most advanced materials and technology to ensure absolute comfort and performance during each and every point.

Double Russel Mesh
Double Russel Mesh is an ultra-fine mesh that is extremely lightweight and durable. It provides eight times more air exchange for releasing moisture than ordinary mesh fabric.

Lateral Claw & Lateral Shell
The Lateral Claw prevents the foot from sliding within the shoe. The Lateral Shell located on the outside of the forefoot prevents sliding at the edge of the sole. These technologies reduce power loss, increase footwork response and create smooth, fluid and offensive foot movements.

POWER CUSHION
Lightweight shock absorption promotes comfort and helps prevent injury.

The YONEX Power Cushion absorbs shock then reverses the impact energy for smooth transfer into the next movement. Compared with urethane, the YONEX Power Cushion construction provides 3 times more shock absorbing power.

3-Layer POWER CUSHION
The hard top and bottom layers absorb 30% more shock than our original Power Cushion and provide 15% more repulsion for enhanced transfer of energy. The soft middle layer quickly returns to its original shape after receiving a shock load, converting the shock energy into power for fast and light footwork.

3-Layer POWER CUSHION
The YONEX Round Sole is designed to provide all-around support for quick and smooth footwork. The Round Sole ensures smooth movements and the transfer of maximum energy.

Synchro-Fit Insole
YONEX Synchro-Fit Insole construction creates a secure contact between foot and shoe, reducing energy wastage through an improved fit.

Power Graphite Sheet
A graphite plate is inserted under the middle portion of the foot to increase stability and reduce weight within the shoe.

ToughBrid
ToughBrid molecules are arranged in a more stable alignment, which provides greater stability and shape retention. As a result, the shoe continues to provide a high level of cushioning performance for longer, even under the stresses of fast, high-impact footwork. Players can now enjoy maximum comfort on court and reduce physical fatigue to achieve superior footwork.

ToughBrid Light
ToughBrid Light retains the exact performance as ToughBrid yet is 11%* lighter, generating a significant reduction in leg and knee stress.

Hexagrip
For agile and stable footwork, the Hexagrip pattern provides 3% more grip and is 20% lighter than standard sole material.
### Footwear

**SHB-011LD**
- **Excellent stability and durability with Quattro Fit**
- **Upper:** P.U. Leather, Double Racer Mesh, Tough Guard II
- **Midsole:** Power Cushion (3-Layer), Hyper mPU, Tough Guard II
- **Outsole:** Rubber
- **Colour:** White/Gold
- **Technology:** Power Cushion (3-Layer), Hyper mPU, Tough Guard II

**SHB-01MX**
- **Excellent stability and durability with Quattro Fit**
- **Upper:** P.U. Leather, Polyester Mesh, Tough Guard II
- **Midsole:** Power Cushion (3-Layer), Hyper mPU, Tough Guard II
- **Outsole:** Rubber
- **Colour:** White/Yellow
- **Technology:** Power Cushion (3-Layer), Hyper mPU, Tough Guard II

**SHB-01LX**
- **Excellent stability and durability with Quattro Fit for women**
- **Upper:** P.U. Leather, Polyester Mesh, Tough Guard II
- **Midsole:** Power Cushion (3-Layer), Hyper mPU, Tough Guard II
- **Outsole:** Rubber
- **Colour:** White/Yellow
- **Technology:** Power Cushion (3-Layer), Hyper mPU, Tough Guard II

**SHB-SC6EX, SHB-SC4MX, SHB-SC4LX, SHB-SC2EX**
- **Improved cushioning with thick sole design**
- **Upper:** P.U. Leather, Double Racer Mesh, Tough Guard II
- **Midsole:** Tough Guard II, Power Cushion, TPU, EVA, Power Graphite Sheet
- **Outsole:** Rubber
- **Colour:** Ocean Blue
- **Technology:** Power Cushion (3-Layer), Hyper mPU, Tough Guard II

**SHB-C6EX**
- **Ultimate cushioning with low-cut design**
- **Upper:** P.U. Leather, Double Racer Mesh, Tough Guard II
- **Midsole:** Tough Guard II, Power Cushion, TPU, EVA, Power Graphite Sheet
- **Outsole:** Rubber
- **Colour:** Black/Pink
- **Technology:** Power Cushion (3-Layer), Tough Guard II, Round Sole, Power Graphite Sheet, Synchro-Fit Insole, Quattro Fit, Hexagrip Sole, Double Racer Mesh, Tough Guard II

**SHB-C4MX**
- **Ultimate cushioning with low-cut men’s design**
- **Upper:** P.U. Leather, Polyester Mesh, Tough Guard II
- **Midsole:** Tough Guard II, Power Cushion, TPU, EVA, Power Graphite Sheet
- **Outsole:** Rubber
- **Colour:** Black/Pink
- **Technology:** Power Cushion (3-Layer), Tough Guard II, Round Sole, Power Graphite Sheet, Synchro-Fit Insole, Quattro Fit, Hexagrip Sole, Double Racer Mesh, Tough Guard II

**SHB-C4LX**
- **Ultimate cushioning with low-cut women’s design**
- **Upper:** P.U. Leather, Polyester Mesh, Tough Guard II
- **Midsole:** Tough Guard II, Power Cushion, TPU, EVA, Power Graphite Sheet
- **Outsole:** Rubber
- **Colour:** Black/Red
- **Technology:** Power Cushion, Ergoshape, Hexagrip Sole

**SHB-86EX**
- **New construction supports the foot even under strenuous movement**
- **Upper:** P.U. Leather, Polyester Mesh, Tough Guard II
- **Midsole:** Tough Guard II, Power Cushion, TPU, EVA, Power Graphite Sheet
- **Outsole:** Rubber
- **Colour:** White/Grey
- **Technology:** Power Cushion, Tough Guard II, Round Sole, Power Cushion, Ergoshape, Hexagrip Sole

**SHB-44EX**
- **Basic model with comfortable soft fit**
- **Upper:** P.U. Leather, Polyester Mesh, Tough Guard II
- **Midsole:** EVA, Power Cushion
- **Outsole:** Rubber
- **Colour:** White/Grey
- **Technology:** Power Cushion, Ergoshape, Hexagrip Sole

### Outsole Structure and Verification

**OUTSOLE:**
- **Winding channel**
- **Winding channel supports the foot during movement for a faster response.**
- **Extensive analysis of foot movement by YONEX scientists has resulted in an improved close fit and better cushioning for smoother and quicker footwear.**

**SHB01JRX**
- **Gentle on feet and joints for junior players**
- **Upper:** P.U. Leather, Polyester Mesh
- **Midsole:** EVA, Power Cushion
- **Outsole:** Rubber
- **Colour:** White/Yellow
- **Technology:** Power Cushion, Ergoshape

**SHB-74EX**
- **Comfortable soft fit with lightweight low-cut design**
- **Upper:** P.U. Leather, Polyester Mesh
- **Midsole:** EVA, Power Cushion
- **Outsole:** Rubber
- **Colour:** White/Red
- **Technology:** Power Cushion, Ergoshape

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*Country of manufacture may differ.*