

XCALLION

Catalog 2026

∞ INFINITY

XCALION

EXCALIBUR

is a mythical, unique weapon, admired and desired for its power.

XCALION

preserves the spirit of EXCALIBUR.

XCALION

is a piece reserved only for the “chosen one”; it is unique and exclusive.

XCALION

the ultimate racket, one of a kind and within your reach.

**“XCALION, the legend
in your hands”.**



XCALION

In the past, rackets were made through an artisanal and manual manufacturing process.

In the future, rackets are made with a SOUL (ALMA).

We were born in Spain with the goal of bringing science and technology to the world of sports to enhance both professional and amateur practice.

Drawing on our knowledge of next-generation materials from the aerospace sector, and after ten years of R&D&I, we offer players the rackets of the future.

“ALMA technology allows you to play with the rackets of the future.”



XCALION

ALMA, the technological revolution.

ALMA is the combination of science, innovation, and technology, resulting in a racket with a performance completely different from anything else on the market.

The foundation of XCALION rackets is an innovative and exclusive patented carbon material, endorsed by the European Space Agency (ESA).

The key to ALMA lies in its high carbon concentration. This allows the inertia generated during gameplay to be fully harnessed, delivering a unique feel—light yet powerful.

ALMA provides greater resistance, lower weight, precision, and increased elasticity, reducing vibrations.

“TECH FOR PLAY”





Rackets should not be classified by their shape—round, hybrid, or diamond—but by their performance.

All XCALION models deliver the highest levels of control, precision, and power, with a wide sweet spot and minimal weight.

Thanks to ALMA technology, with a single mold we achieve the optimal response for the different phases of the game: defense, control, and power.

Each XCALION model gives you a softer or firmer feel, with different degrees of BALANCE SENSATION to adapt to your playing style—using ONE SINGLE MOLD.



“One mold, a thousand sensations”





XCALION manufactures in Spain.

The manufacturing process is fully digital and robotized.

From start to finish, in every stage of design, production, and finishing, we rely on science, technology, artificial intelligence, and robotics—meeting the highest quality standards in materials and craftsmanship.

We maintain full traceability throughout all production processes. This allows us to offer you rackets of the same model that are identical in all their properties: weight, feel, balance, and durability.

XCALION manufactures, and you play with the racket of the future.

“The rackets of the future have ALMA.”



XCALION

We are a team of professionals passionate about sports and innovation.

With a clear objective: to provide players—both amateur and professional—with the most advanced sports equipment.

Our enthusiasm and commitment are complemented by science, technology, artificial intelligence, robotics, the strength of youth, and the vision that comes with experience.

Every player is unique and deserves equipment that adapts to their playing style and personal preferences, helping them improve and enjoy the game of padel.

Durability, innovation, and customization are our defining values.

You are unique—and so is your racket.

“Enjoy doing it”



XCALION

TECHNOLOGY

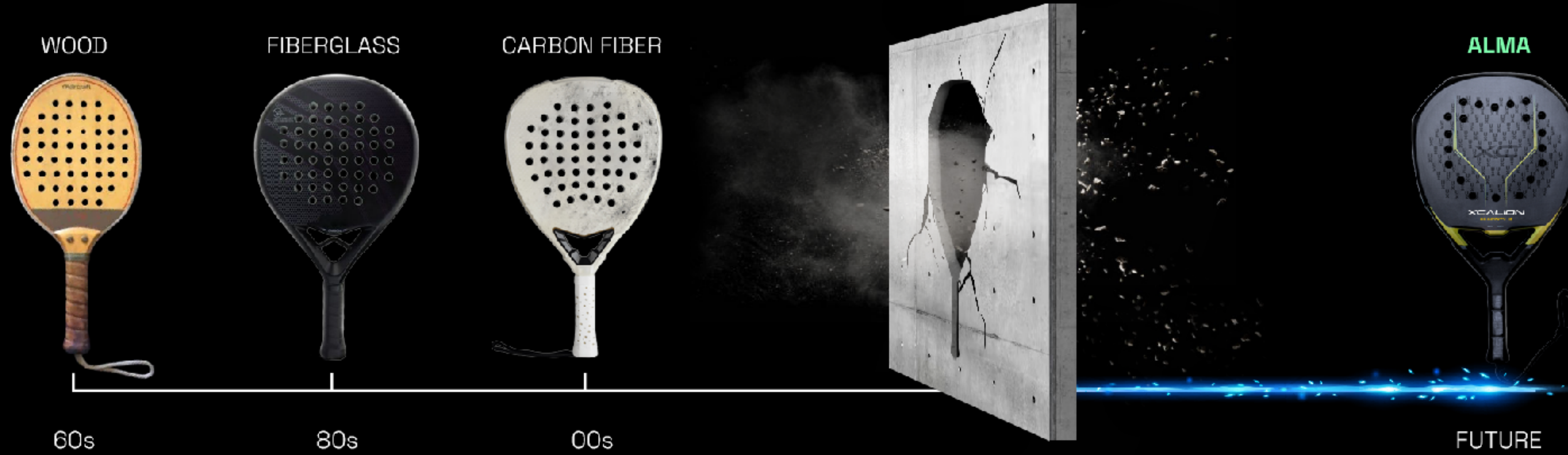




At the origins of padel, in the 1960s, rackets were made of wood. By the late 1980s, they began to be made of rubber, an aluminum frame was added, fiberglass faces were introduced, the outer frame was removed, and today the standard materials for the faces and frame are carbon fiber. Since then, there has been no real technological change. It is time to move from traditional rackets to the rackets of the future.

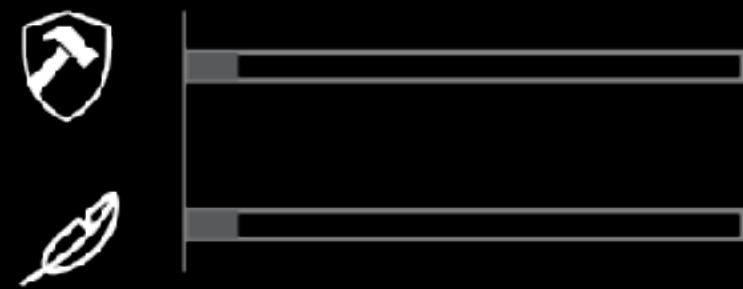
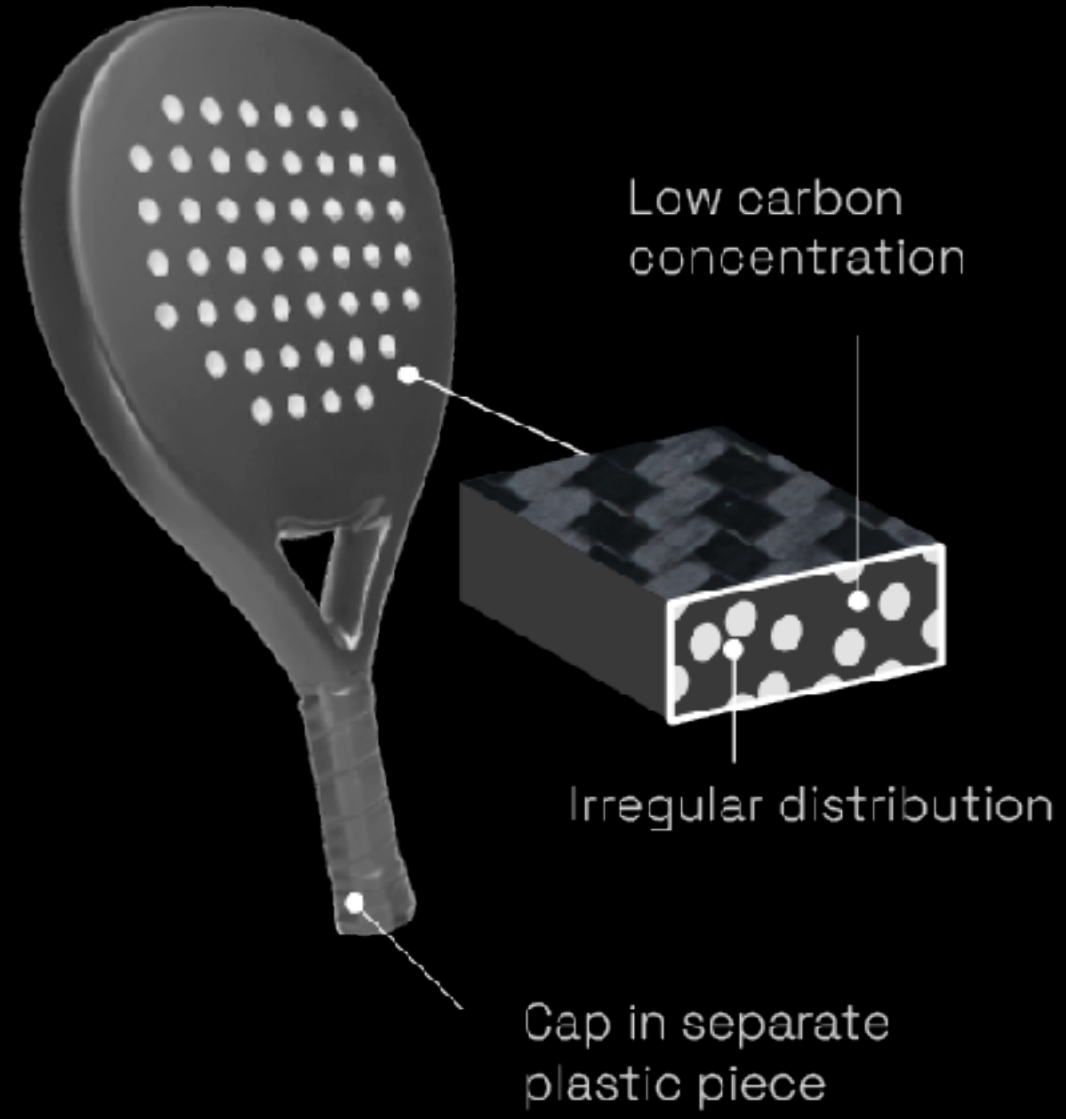
XCALION breaks the technological barrier with ALMA technology. XCALION manufactures rackets with ALMA—and you play with the racket of the future.

“PADEL WITH SOUL”



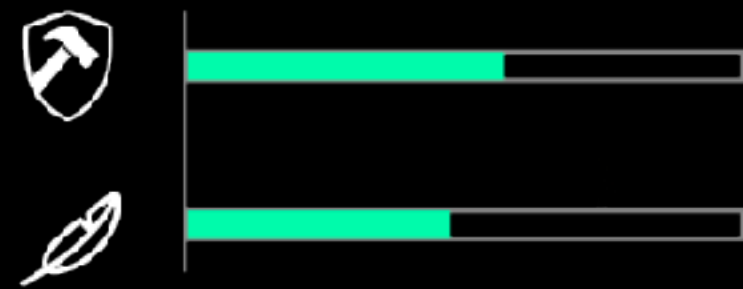


CONVENTIONAL TECHNOLOGY



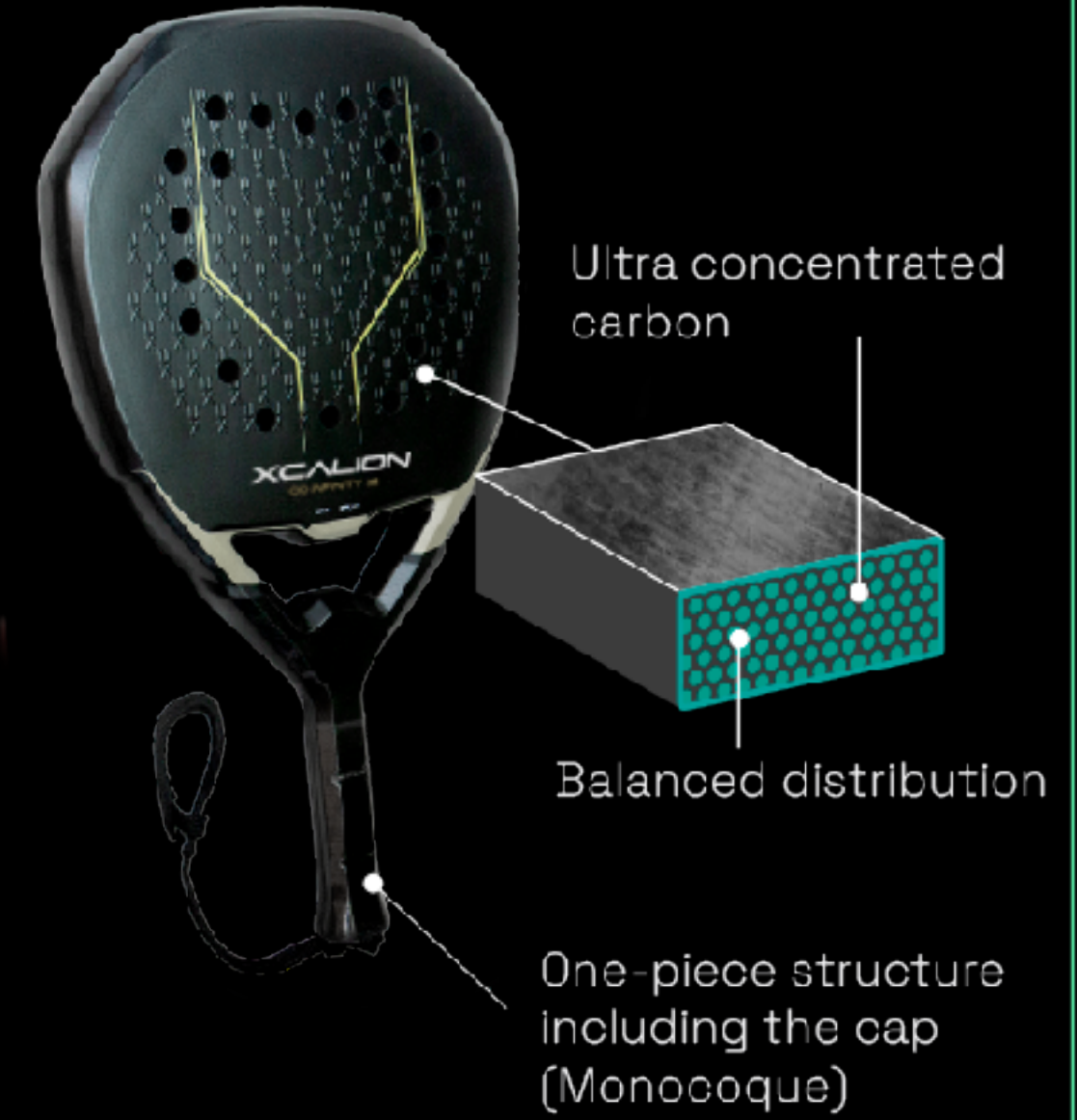
Low strength and high weight

ALMA UNUM



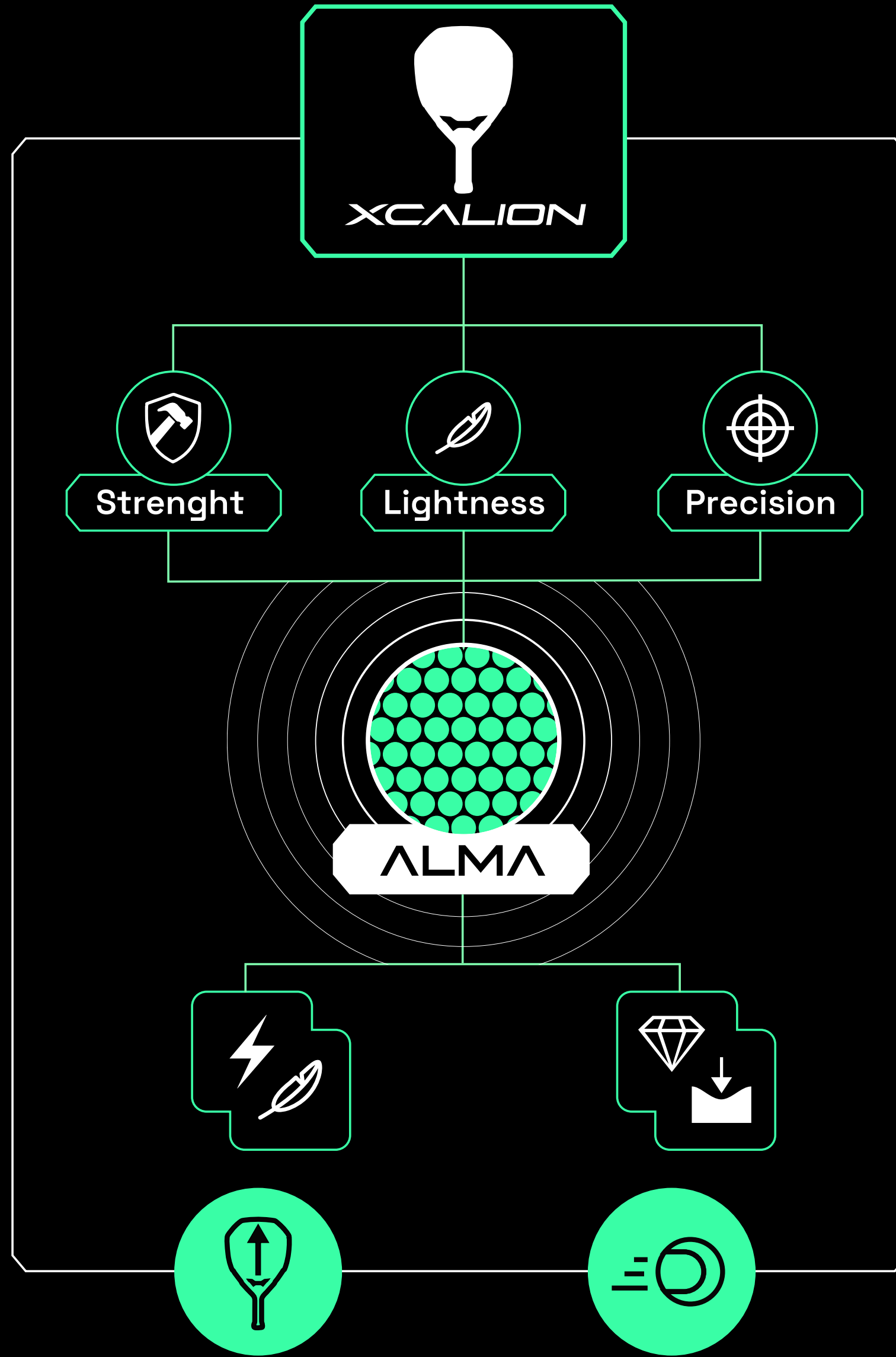
High strength and low weight

ALMA ∞ INFINITY



Ultra-high strength and low weight



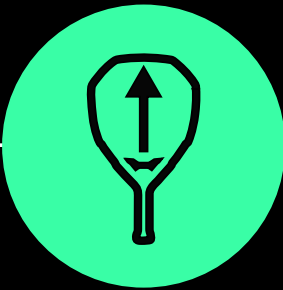


Strength

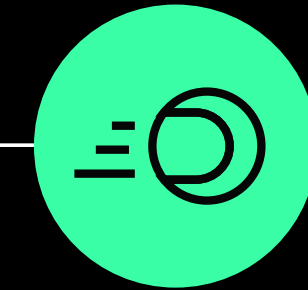
Lightness

Precision

ALMA



Higher performance
thanks to low weight
and high balance



Combined advantages
of soft and hard rackets
Power and Ball Speed



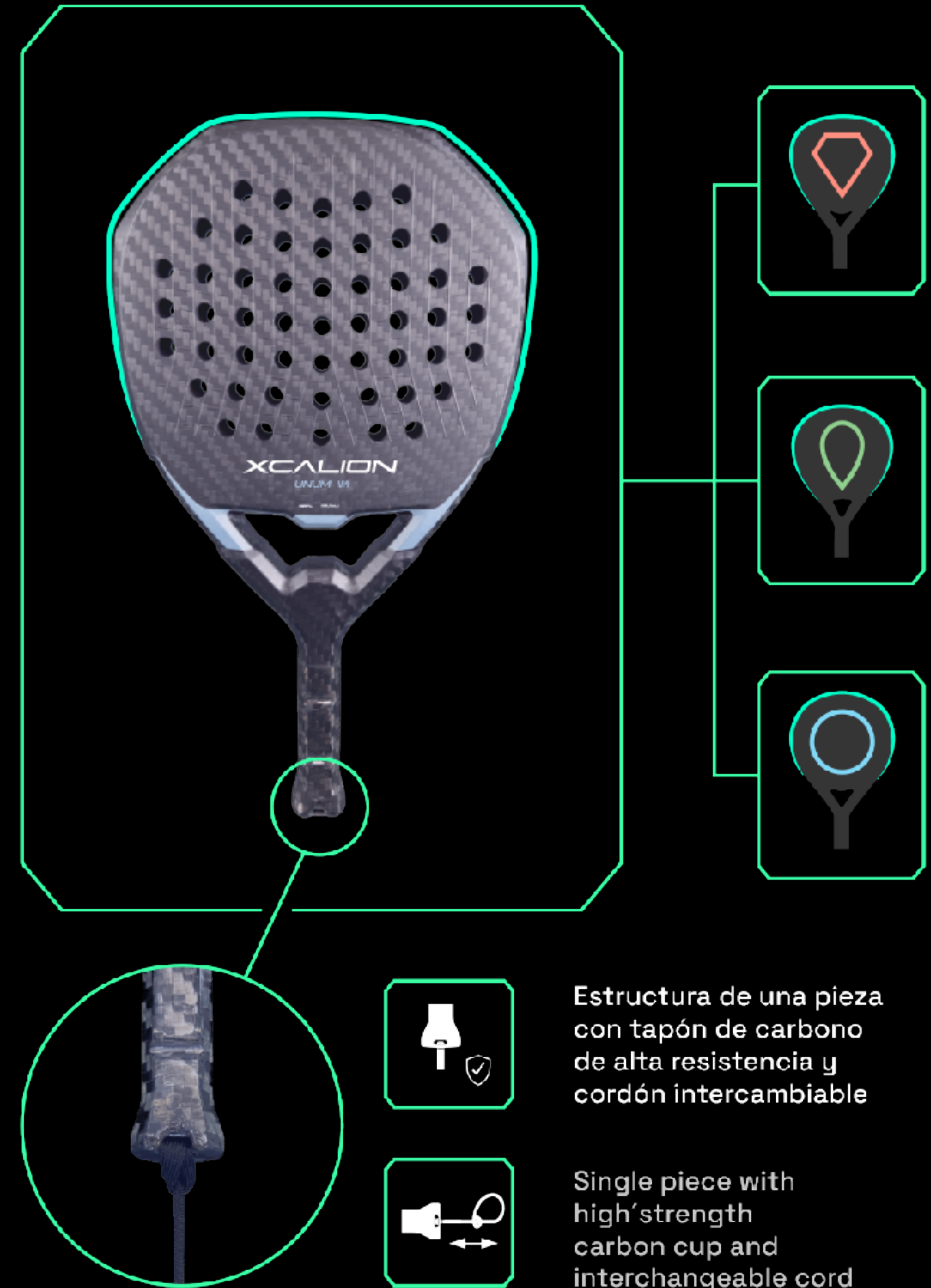
MOLD:

XCALION offers you the only ONE-PIECE (MONOCOQUE) racket on the market.

The entire exterior of the racket is a single carbon piece, including the face, frame, handle, and butt cap. You will feel a more natural ball impact.

It provides maximum resistance, a more uniform feel, an expanded optimal impact zone or sweet spot, and greater precision and control in every phase of the game.

It reduces the vibration levels.



XCALION



WHAT DO YOU WANT FROM A RACKET?

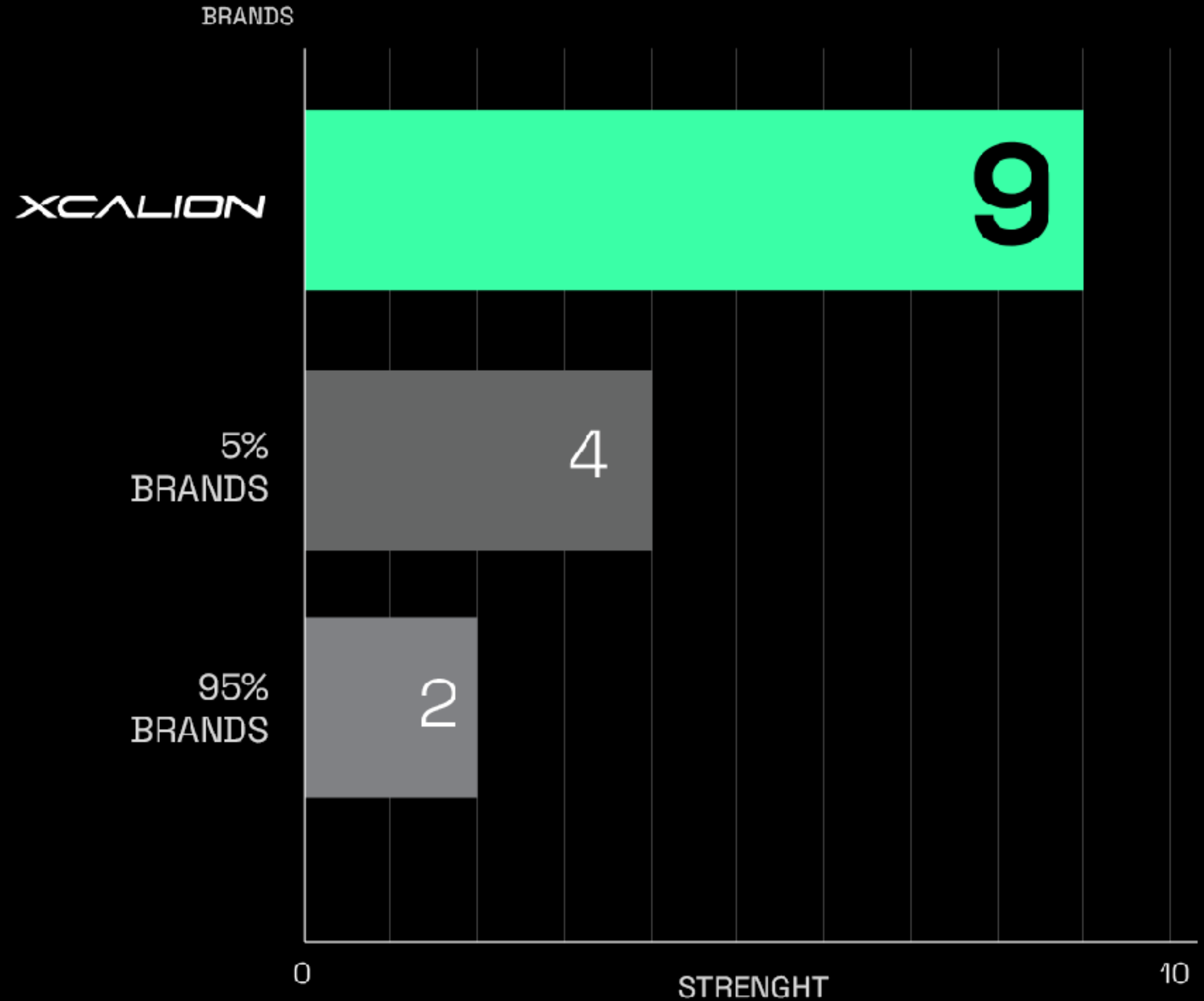




DURABILITY:

In partnership with the Universidad Politécnica de Madrid, we tested the resistance of the leading rackets on the market to impact stress on the racket face. On a scale from 1 to 10, the top models barely reached level 4.

XCALION, powered by ALMA technology, smashed expectations—reaching an impressive level 9.





STRENGTH:

In collaboration with Carlos III University of Madrid, we conducted tests at aerospace testing facilities.

The racket faces were subjected to ball impacts exceeding 200 km/h—a speed well above the 170 km/h at which a professional player executes a smash.

None of the top models from the leading brands passed the test.

XCALION, thanks to ALMA technology, passed every test with flying colors.

STRENGTH
TEST

Sample tested: More than 200 of today's top rackets



Universidad Carlos III

Madrid 20.07.2025

Foto tomada durante los ensayos realizados en el laboratorio de la Universidad Carlos III de Madrid.



FEEL:

The market has conditioned us to focus on 3K, 8K, 12K... when, scientifically, the factor that most influences feel is the carbon concentration density.

At XCALION, thanks to ALMA technology, our rackets offer a crisp, powerful feel that performs well at low speeds, provides control, and delivers exceptional hitting precision.

ALMA delivers the highest carbon density on the market, with three distinct feel options:

- **UNUM – Soft:** intermediate feel.
- **UNUM+ – Medium:** medium/hard feel.
- **INFINITY – Hard:** hard feel.





WEIGHT / BALANCE:

XCALION offers you the lightest rackets without compromising power or control, with weights ranging from 312 to 333 g.

The carbon density, the mold, and weight distribution make you forget the traditional concept of balance.

With ALMA, we apply a fundamental principle of physics: INERTIA. Combining the advantages of low, medium, and high balance while minimizing their drawbacks.

XCALION provides, with low weight, the optimal balance for every phase of the game:
control/defense, precision/volleys, power/smashes.

XCALION optimizes the performance of every shot based on the inertia and hitting dynamics of each player.



CUSTOMIZATION:

At XCALION, we value you—and let you create your personalized racket yourself.

From the MODELS section on XCALION.com, when making a purchase, you can choose your model, design the aesthetics, select the color, and personalize it with your name.

**You're not just any player—you're a unique player.
And your XCALION is too.**



YOUR DESIGN

1. Model:

UNUM

UNUM+

∞ INFINITY

2. Design:



3. Color:



4. Text:

YOUR NAME



RACKET MODELS





XCALION

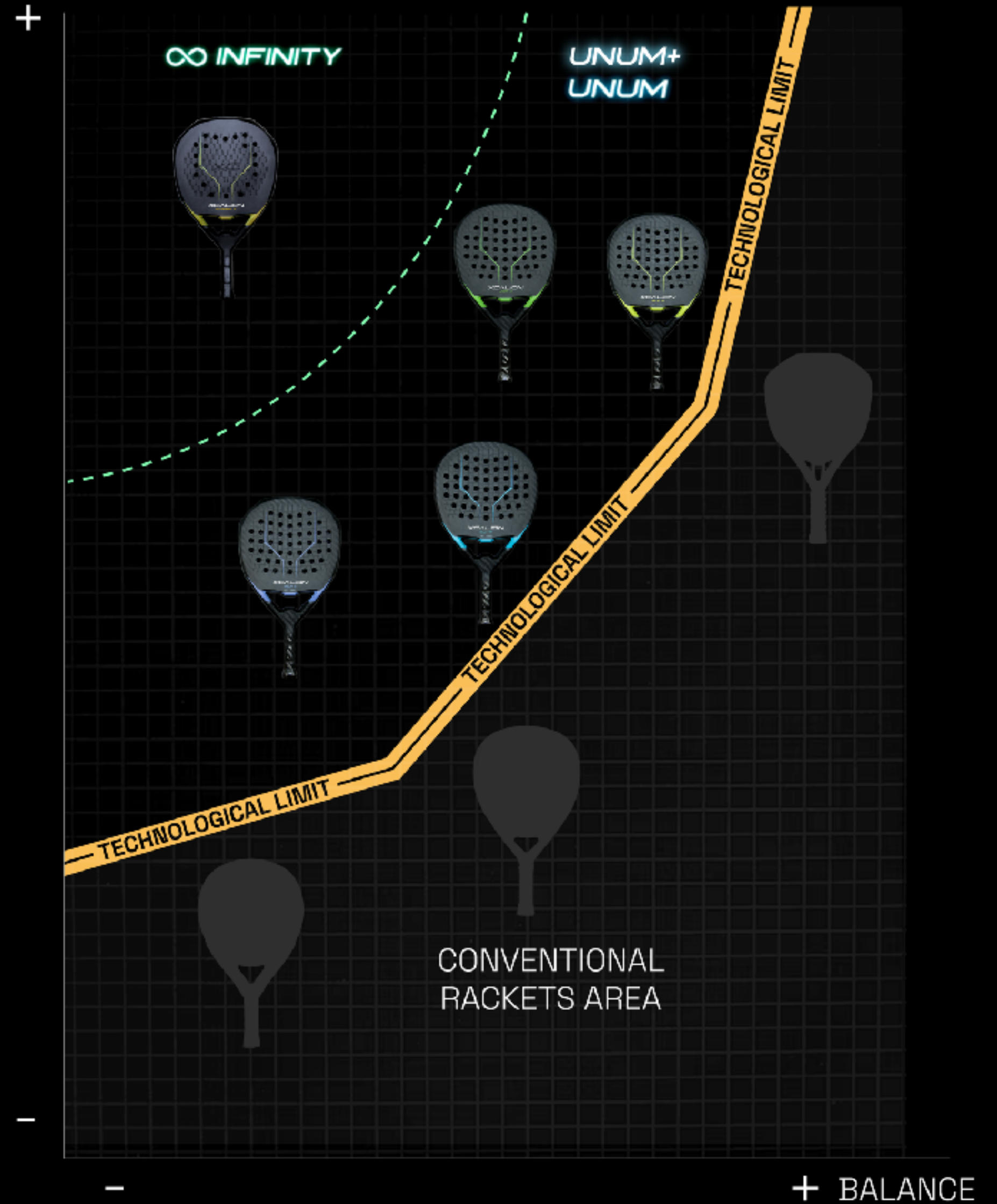
Offers you five models that adapt to your playing style.

All are produced with **ALMA technology**.

All are designed using a single mold, with the highest quality materials, processes, and finishes.

Plus, you can personalize your racket—because you are unique.

HARDNESS





UNUM:

These are the lightest and most durable models, offering maximum control and precision.

CONTROL:

S1

CONTROL/HYBRID:

M1

CONTROL/POWER:

H1



XCALION



UNUM +:

The lightest, most durable model—
delivering control, precision, and power
in every shot.

CONTROL / POWER:

H1





INFINITY:

It is the lightness and strength of ALMA material taken to the extreme—into infinity.

INFINITY is an expanded carbon square, pushed to the limit, covering the entire racket. It delivers the highest carbon density. Its maximum concentration creates a visually unique effect.

INFINITY achieves the highest levels on the market in both durability and lightness.

INFINITY takes the concept of K to infinity—without material limits, its development is endless.

CONTROL / POWER:

H1





Hardness



Balance Feel



Weight

UNUM S1



313 g

UNUM M1



323 g

UNUM H1



333 g

UNUM+ H1



321 g

∞ INFINITY H1



312 g

+20 g
grip & string



CONTROL: UNUM S1

Weight: 313 gr.*

Mold / Structure: unique and one-piece (MONOCOQUE).

Thickness: 38 mm / Handle length: 12.5 cm

Visible carbon. Replaceable strap. 3D textured surface.

Medium/low balance feel. Wide sweet spot.

Extremely easy to handle—ideal for players who want a light racket and are used to traditional round control models.

Medium, dry, and reactive touch—perfect for controlled defense and powerful offense.

Delivers a distinctive, instantly recognizable sound.

Includes Unum Kit. Packaged in a single box.

* (grip and strap not included)

UNUM



S1

HYBRID: UNUM M1

Weight: 323 gr.*

Mold / Structure: unique and one-piece (MONOCOQUE).

Thickness: 38 mm / Handle length: 12,5 cm

Visible carbon. Replaceable strap. 3D textured surface.

Medium balance feel. Wide sweet spot.

Extremely easy to handle—ideal for players accustomed to hybrid rackets, seeking lightness and an extra boost of power.

Medium, dry, and reactive touch—enhancing defensive control and delivering offensive power.

With a metallic, crisp sound.

Includes Unum Kit. Packaged in a single box.

* (grip and strap not included)



POWER: UNUM H1

Weight: 333 gr.*

Mold / Structure: unique and one-piece (MONOCOQUE).

Thickness: 38 mm / Handle length: 12,5 cm

Visible carbon. Replaceable strap. 3D textured surface.

Medium/high balance feel. Wide sweet spot..

Easy to handle—lightweight design with excellent control and power.

Medium/firm, crisp, and responsive feel. Supports offensive play without sacrificing control, all while keeping a low weight.

Designed for players who love high-balance rackets—combining maneuverability, power, and a distinctive, recognizable sound.

Includes Unum Kit. Packaged in a single box.

* (grip and strap not included)



POWER: UNUM+ H1

Weight: 321 gr.*

Mold / Structure: unique and one-piece (MONOCOQUE).

Thickness: 38 mm / Handle length: 12,5 cm

Visible carbon. Replaceable strap. 3D textured surface.

Medium/high balance feel. Wide sweet spot.

Easy to handle—lightweight design with excellent control and power..

Medium/firm, crisp, and responsive feel. Supports offensive play without sacrificing control, while remaining lightweight.

A lightweight power racket delivering a dry, metallic sound.

Includes Unum+ Kit. Packaged in a single box.

* (grip and strap not included)



POWER: INFINITY H1

Weight: 312 gr.*

Mold / Structure: unique and one-piece (MONOCOQUE).

Thickness: 38 mm / Handle length: 12,5 cm

Visible carbon. Replaceable strap. 3D textured surface.

High balance, medium low balance feel. Wide sweet spot.

With INFINITY H1, experience the maneuverability of a round racket combined with the hard-touch power of a diamond shape—offering unmatched precision in every shot.

Ideal for advanced players—delivering power, exceptional maneuverability, and precise control.

Delivers a sharp, rifle-like sound.

Includes Infinity Kit. Packaged in a single box.

* (grip and strap not included)

∞ INFINITY



PADEL BACKPACK P1 BLACK:

Volume: 25.3 L

Measurements: 58X29X30 cm

Color: Negro

High-strength, waterproof material.

Double stitching and high-quality zippers.

Padded straps, for backpack or shoulder carry.

6 Storage compartments:

- 1 Holds up to two rackets
- 1 Single main compartment for apparel and gear
- 1 Separate rear compartment with ventilation for shoes
- - 2 large side compartments for accessories
- - front pocket for small items (phone, money, documents...)

PADEL BACKPACK



P1-BLACK

x2

TECH FOR PLAY

