

# HEAD TECHNOLOGY



## EMC

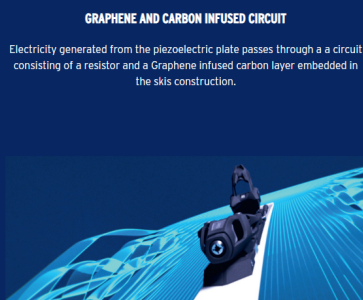
The HEAD EMC (Energy Management Circuit) features ceramic piezo plates incorporated into the front and rear of the ski. Here, the kinetic energy is converted into electronic energy and in turn, the electronic energy is used to absorb negative vibrations. This means that the ski runs smoother and allows you to ski at a higher level all day long.

## HOW IT WORKS

Found in the front and rear of the ski, EMC converts kinetic energy into electrical energy which is used to harmonise the ski, discover more about the circuit and how it works here.

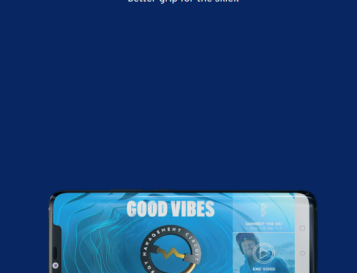
### INNOVATIVE CERAMIC PIEZOELECTRIC ELEMENT

Carving, gliding and impacts cause the ski to bend and vibrate. The ceramic piezoelectric element in the EMC converts this kinetic energy into electrical energy.



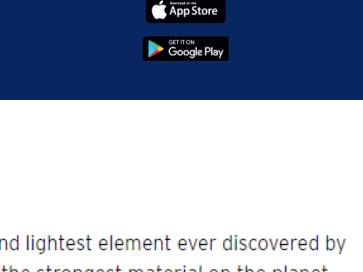
### GRAPHENE AND CARBON INFUSED CIRCUIT

Electricity generated from the piezoelectric plate passes through a circuit consisting of a resistor and a Graphene infused carbon layer embedded in the skis construction.



### A HARMONIZED SKI

The circuit harnesses the electrical energy and filters out negative vibrations, harmonising the ski. Fewer vibrations equals more stability and better grip for the skier.



### THE EMC APP

Test EMC at a HEAD dealer near you. Connect with the ski and join the rally.



GRAPHENE

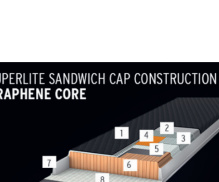
## GRAPHENE

GRAPHENE is the thinnest and lightest element ever discovered by mankind. GRAPHENE is also the strongest material on the planet, stronger than diamond and 300 times stronger than steel, all in the thickness of one atom.

### DISCOVER HEAD'S GRAPHENE SKI CONSTRUCTIONS

While Graphene is the most advanced material known to man, it is not only for the best skiers in the world. Discover our Graphene constructions, each tuned for a different style of skiing.

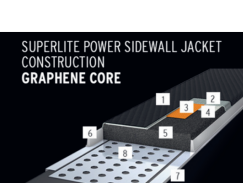
#### SUPERLITE CARBON SANDWICH CAP CONSTRUCTION GRAPHENE CORE



#### SUPERLITE CARBON SANDWICH CAP CONSTRUCTION

By combining the lightest and strongest materials we have been able to develop a more stable, powerful and lightweight ski. Utilizing Karate wood, carbon and Graphene guarantees the highest level of performance per gram. The ultimate balance of performance and light weight.

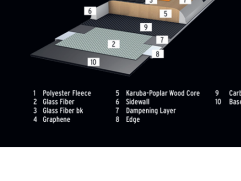
#### WC SANDWICH CAP CONSTRUCTION GRAPHENE CORE



#### WC SANDWICH CAP CONSTRUCTION

The Graphene WC Sandwich Cap construction is developed with the most sophisticated material known to man. It has a balanced mix of light Graphene and extra titanal layers and combines the most extreme rigidity with extreme responsiveness for ultimate performance.

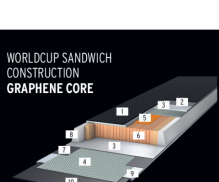
#### SUPERLITE SANDWICH CAP CONSTRUCTION GRAPHENE CORE



#### SUPERLITE SANDWICH CAP CONSTRUCTION

Thanks to the unique properties of Graphene, the Superlite Sandwich Cap Construction has had a reduction in the material inserted with an increase in its responsiveness, allowing faster and more precise change from edge to edge. This is the ultimate ski for flotation and responsiveness.

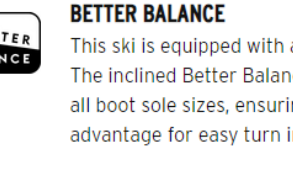
#### MULTILAYER CARBON SANDWICH CAP CONSTRUCTION GRAPHENE CORE



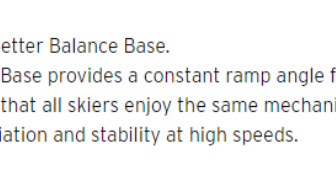
#### MULTILAYER CARBON SANDWICH CAP CONSTRUCTION

Developed from the most sophisticated materials known to man: the Super Light Sandwich Construction makes up one of the world's lightest freeride skis by utilizing Graphene, two different carbon fibers, as well as replacing the surface with a polycarbonate frame. The ultimate construction for a high performing freeride ski.

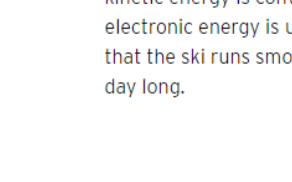
#### SUPERLITE POWER SIDEWALL JACKET CONSTRUCTION GRAPHENE CORE



#### SUPERLITE POWER SIDEWALL JACKET WOOD COMPOSITE CORE



#### WORLD CUP SANDWICH CONSTRUCTION GRAPHENE CORE



#### WORLD CUP SANDWICH CONSTRUCTION

A wood core sandwich construction with Titanal® which combines the solid and responsive performance of the vertically laminated wood core and control offered by the Titanal® layer.



## BETTER BALANCE

This ski is equipped with a Better Balance Base. The inclined Better Balance Base provides a constant ramp angle for all boot sole sizes, ensuring that all skiers enjoy the same mechanical advantage for easy turn initiation and stability at high speeds.



## EMC F

The HEAD EMC (Energy Management Circuit) Front features a ceramic piezo plate incorporated into the front of the ski. Here, the kinetic energy is converted into electronic energy and in turn, the electronic energy is used to absorb negative vibrations. This means that the ski runs smoother and allows you to ski at a higher level all day long.



## TRACTION

Traction is only used in speed skis. This technology provides dampening properties and specific stiffness reduction which makes the ski feel smoother and improves steering throughout the turn.



## ERA 3.0 S

With ERA 3.0 S is this ski the combination of all mountain carving, race technology, and a new gradient on turning mechanics and ski capabilities sure to please skiers on many levels.



## ERA 3.0

Era 3.0 is a combination of technologies, shape, and geometry. Think rocker, think radius, think rebound. Think 3-dimensional!

## LIQUID FIT

Liquid Fit created the most precise mold in the most critical area of the boot, the ankle and the heel pocket.



### FIT DONE RIGHT

Liquid Fit creates the most precise mold in the most critical area of the boot, the ankle and the heel pocket. It's 100% flexible, 100% comfortable and delivers 100% performance, every time. There is no other boot customization program that works like Liquid Fit.

### ELEVATE AN ALREADY GREAT FIT

HEAD ski boots are well known for an accurate last that provide exceptional fit directly out of the box. But a customized boot tailored to the specifics of your feet, can elevate the level of comfort and performance beyond what most skiers think is possible.

