

NEW

[ HELMETS AND GOGGLES 2013/14 ]

# FOR SIX DECADES MARKER HAS EMBODIED SAFETY AND INNOVATION IN SKI SPORT.

At Marker we know what really matters because we live for snow sports. It is our intense interest, commitment and experience that have made our products benchmarks for the industry and skier alike.

The same intensity we've brought to bear on developing and perfecting every binding model we've ever produced is now being applied in full to our "Protective Snow Equipment" line where we're expanding our technological leadership into the area of helmets and goggles. Top materials, cutting-edge technologies and unique solutions make MARKER Protective Snow Equipment into 'must have' gear. Revolutionary Ortema X4 Protection Pads, MarkAir Channel/Vent systems for optimal ventilation, integrated helmet and goggles as well as the outstanding NMT coating on goggles are just a few examples of the innovative power behind the MARKER Protective Snow Equipment program.

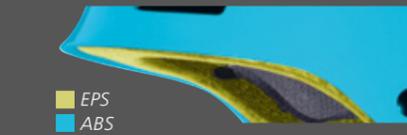
From all mountain to freeride, park & pipe to back country, the new product range will reach a broad audience. Naturally there's appropriate equipment for rookies as well. Have a look at our helmets and goggles that bring performance, safety, comfort and style into perfect harmony. And make every day on the snow even better and protective than ever before.

[ 2013 - 14 ]



HELMETS & GOGGLES

MARKER



[ CONSTRUCTIONS ]

**+ ABS HARDSHELL CONSTRUCTION**

The ABS HARDSHELL CONSTRUCTION involves a light EPS core for impact absorption and an ultra-thin but rigid ABS outer shell. It has been specially engineered to fit the EPS core, completely enveloping it in a physically durable shell. This ensures the best possible distribution of force in the event of an impact. The rugged ABS surface is also resistant to scratches and dents – so this lightweight helmet will still look great even after many days of hard use.



**+ DOUBLE IN-MOLD CONSTRUCTION**

Extra light and world-class quality: the new MARKER Double In-Mold helmet features an extremely stable construction. Formed using the heat and compression molding of an impact-resistant rigid EPS core into a durable polycarbonate shell, this ensures an inseparable bond between the shell and the high-impact dampening material. A second polycarbonate outer shell in the lower part of the helmet provides additional stability and increases the overall protection level. The low overall weight makes the DOUBLE IN-MOLD helmet superior to the competition in terms of wearing comfort.



**+ HYBRID SHELL CONSTRUCTION**

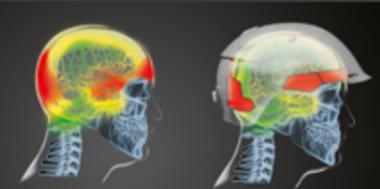
The best of both worlds for maximum security requirements: the HYBRID SHELL CONSTRUCTION combines the weight and comfort advantages of in-mold technology with the robustness of the hard shell construction. In the event of a crash, the hard shell is not just highly durable, but also distributes the pressure across its surface. The extra-light in-mold shell for the lower head wraps around the entire rear of the head to provide optimal protection. The final product is a premium helmet featuring state-of-the-art technology, a low total weight, outstanding comfort and an ABS outer shell for maximum durability, top ventilation and a fine look that will remain attractive even after hard use.

[ SAFETY PADING ]

**+ ORTEMA X4 PROTECTION PADS - maximum energy absorption!**

Clinical studies have shown that during a fall it is primarily the rear of the head, the forehead and the temple areas that suffer impact. A completely new material is being used for the first time in the ski helmet field to provide greater protection of these especially at-risk areas: ORTEMA X4. Ortema, the leader in sport protection and orthopedic technology, developed this high-tech protective foam that works optimally regardless of the ambient temperature and absorbs impacts much more effectively than other materials. This also applies to multiple blows in an extremely brief period, since the memory function on the ORTEMA X4 allows the material to regain its original volume within an extremely short time span.

criteria. All four critical areas (X4) on the rear of the head, the forehead and temples are reinforced and padded with ORTEMA X4 PROTECTION PADS to ensure top security. They adapt optimally to the shape of the head, providing additional support to the already outstanding shaped fit of the helmet itself. It goes without saying that the anti-bacterial Coolmax® lining of the ORTEMA X4 PADS can be removed and washed after intense, sweat-inducing descents.



CRITICAL AREAS OF THE BACK OF THE HEAD, FOREHEAD AND TEMPLES



MARKER Ortema models are extremely well equipped to satisfy anatomical and biometric

[ CLIMATIC ]



**MARKER HELMET/GOGGLE INTEGRATION**

Helmet and goggles must fuse together perfectly to work as one optimally functioning unit. To achieve this, MARKER products are 100% harmonized with one another. All helmets and goggles are designed to precisely tune into the shape of the other item and harmonize with its lines. This perfect adaptation is a requirement for optimal aerodynamic performance by helmet and goggles. The MarkAIR Channel ventilation system on the helmet, combined with the MarkAIR Vent System on the goggles, ensures top performance and air flow. The ingenious system for air intake and outlet vents, combined with a network of channels in the helmet, reduces significantly goggle fogging and allows the wearer to customize the air circulation. The result: the temperature within the helmet is appropriate for both the exterior temperature and skier exertion levels.

**MARKAIR CHANNEL VENTILATION SYSTEM – CLEAR VISION AND A COOL HEAD**

The complex MarkAIR CHANNEL SYSTEM, used in all MARKER helmets, is the most advanced temperature regulation system available. It consists of a precisely calculated network of vent openings and air channels to combine the ventilation of the outer shell with interior

channels of the EPS foam core. This allows the MarkAIR CHANNEL SYSTEM to literally "draw" the warm, moist air out of the goggles, "sucking" it along the air channels and out of the helmet to reduce significantly any fogging of the goggles. At the same time there is a constant and pleasant flow of air to cool the entire system and regulate it automatically. This ensures a cool head whatever the situation, without need for manual adjustments.





**+ 2 POSITION CLIMATE CONTROL**

The ventilation within the helmet can be controlled using the adjustable 2 POSITION CLIMATE CONTROL (partially or fully closed). This works even with gloves on and while in motion! Move the slider to control the air volumes to match your own personal warmth preferences. Naturally the MarkAir CHANNEL SYSTEM will assist keeping your head warm and dry even if the controls are fully shut. When fully opened, the special vent design prevents the head from growing chilled.



**+ AIR JAM CLIMATE CONTROL**

The AIR JAM CLIMATE CONTROL allows for regulation of the air flow using a waterproof, folding interior lining. When the openings are closed, they provide a warm and dry air cushion that is especially helpful in keeping the head from getting chilled on cold days. On warm days the vents can be unblocked to generate maximum airflow within MarkAir CHANNEL SYSTEM.



[ HELMETS FITTING SYSTEME ]

**+ RTS FIT SYSTEM**

Rotate to size – there's no simpler way. The three-point construction on the rear of the head adapts to your personal head shape in seconds thanks to the adjustment dial. This translates not just into top wearing comfort, but also into a perfect yet pleasant fit to maximize the helmet's safety protection. During a crash you want a helmet that sits just right and won't slide around, giving your head true protection.

**+ PARK FIT SYSTEM**

Simple and highly effective. The PARK FIT SYSTEM works like a baseball hat closure, with three different width settings for the helmet. The system is super-easy to use, is highly lightweight and guarantees a perfect fit—since it adapts to the shape of the back of your head. The broad configuration range means the helmet will grow along with the wearer!

**+ HELMET SIZING CHART**

ADULT		YOUTH	
SMALL	51-55CM	OZFA*	51-56CM
MEDIUM	55-59 CM		
LARGE	59-63 CM		

\*OSFA, One Size Fits All



[ LINING ]

**+ XDRY FLEECE LINING**

High-quality, lightweight and fluffy fleece interior lining for pleasant warmth and a dry helmet interior. As you'd expect: anti-bacterial, removes quickly and hand-washable in lukewarm water.

**+ XDRY PERFORMANCE LINING**

Technical performance lining that ensures optimal thermal efficiency. The textured material insulates against cold and, in the event of excess heat, the air is transported to the exterior. Beyond this, moisture is wicked outwards to prevent excessive sweating. Features: anti-bacterial treatment, quickly removable and hand-washable in lukewarm water.

**+ VOLUME FLEECE**

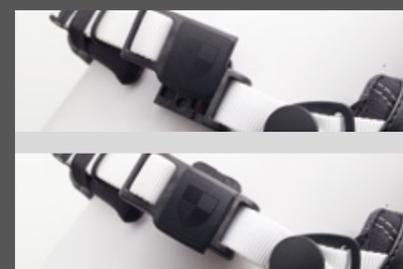
Developed especially for women as an extra-warm, fluffy fleece that is solely used in the CONSORT WOMEN. It increases wearing comfort and prevents the head from growing chilled. Anti-bacterial, removes quickly and hand-washable in lukewarm water.



TECHNOLOGY

**+ FIDLOCK OG SNAP**

The revolution for helmet closures – extremely convenient to operate. The FIDLOCK OG SNAP is the first magnetic safety closure with a slider mechanism that can be opened and closed with one hand. This ensures an extremely secure hold in the event of a crash, yet can be operated very quickly even while wearing a ski glove and is designed to guard against pinching your skin.



**+ GOGGLE SAFETY LOCK**

No slipping of the goggle strap, because the GOGGLE SAFETY STRAPS hold the goggles firmly against the helmet. Even if you push the goggles far back on your helmet, such as while on a lift, there's no chance of them getting lost as long as the lock is closed.



**+ EDGE PROTECTION**

All MARKER DOUBLE IN-MOULDED and HYBRID SHELL helmets have an additional polycarbonate plate on their lower edge for extra safety in the event of side impact. It also protects the helmet against knocks and dents during transport or daily usage.



[ PARK TECHNOLOGY ]

**+ BEANIE READY**

Like skiing with a beanie under your helmet – or sometimes with, sometimes without? BEANIE READY means that you can remove the lining from your helmet quickly and easily, and replace the lining with your beanie. The helmet has no annoying Velcro enclosures that could damage your hat!



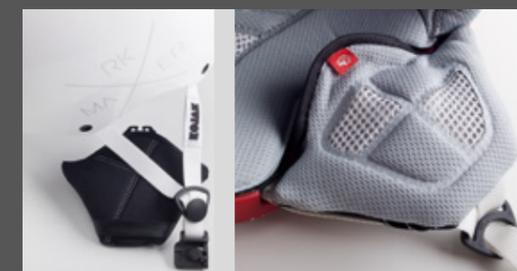
**+ PSE GOGGLE CLIP**

Absolutely stylistic and functional goggle clip to secure the goggle band. Easy and simple to replace or remove. When the clip is removed, the PSE DISC protects the thread and keeps it free from ice and snow.



**+ REMOVABLE EARPADS – AUDIO READY**

The ergonomic design of the removable ear padding ensures a comfortable fit and very good thermal insulation. All ear pads (excluding KOJO) are naturally also AUDIO READY for all current systems, meaning they work with your sound system and/or mobile phone. Easy to remove and hand-washable in lukewarm water.



[ L E N S T E C H N O L O G Y ]

**+ DUAL BIONOMIC SPHERICAL LENSES**

MARKER DUAL BIONOMIC lenses are designed in a double-lens construction with an integrated thermal blocker. All lenses are oriented toward the curvature of the human eye to ensure that objects seen through the goggles look the way they really are. Unlike traditional, non-progressively tapered standard lenses, our lenses feature Bionomic Curve Lens Technology (quality class 1, ANSI Z87.1) that deliver undistorted light beams directly to the eye, which ensures 100% correct vision that doesn't strain the eye.

This makes them ever lighter, clearer and more scratch resistant. TAC lenses offer world-class visibility as well as 100% UV A/B/C protection up to UV 400 nm.

**+ INNER LENS (2)**

The inner lens is made of acetyl cellulose and is compression molded against the spherical outer lens as part of a heating process. This ensures that the shapes are congruent for 100% undistorted vision. The anti-fog and anti-reflex coatings are 'embedded' in the lens to prevent them from rubbing off over the long term.

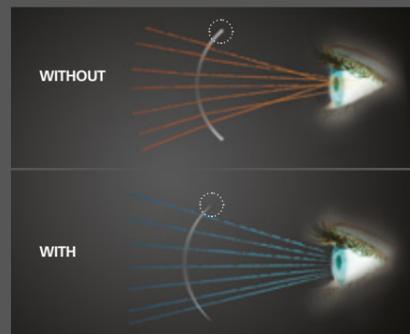


**+ EXTERIOR LENS (1)**

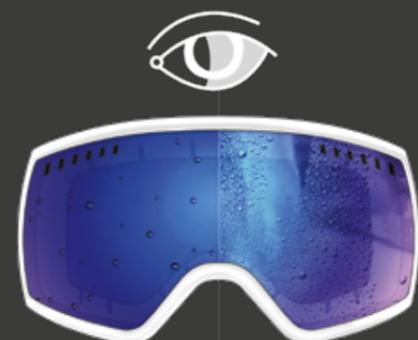
Depending on the goggles model, various materials are used to produce the exterior lens: all standard lenses are produced from robust polycarbonate and enhanced with an extremely scratch-resistant coating. They offer 100% UV A/B/C protection up to UV 400 nm. The polarized lenses on the high-end models are produced from TAC (Tri Acetate Cellulose).

**+ THERMAL BLOCKER (3)**

The interior lens also functions as a thermal blocker, creating an air barrier between the external and interior lenses. This thermal blocker compensates for differences in the temperatures, with the interior of the goggles constantly warm and dry – and fog-free.



**NMT OPTICS (3RD EYELID)**

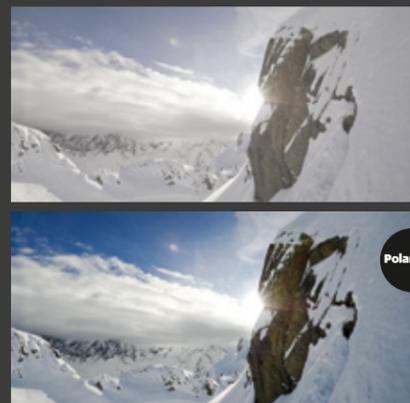


**+ NMT OPTICS (3RD EYELID)**

MARKER has developed the revolutionary NMT OPTICS coating for all lenses (except 4:3). It works similarly to the extra membrane that many animals have to provide extra protection to their eyes. NMT OPTICS (Nictitating Membrane Technology) is an extremely scratch-resistant surface that always supplies the best possible visibility. It prevents water, grease or dust from sticking, and moisture wicks away immediately. Fingerprints, dust and sweat have no surface to cling to and thus are easy to remove. Our NMT-coated lenses offer crystal-clear visibility for years.

**+ POLARIZED LENSES**

Polarized MARKER lenses made of TAC (Tri Acetate Cellulose) stand out for a visual precision superior to other lenses. They absorb a maximum of dispersed light to provide for an extreme contrast boost. The result is a reflection-free, more clearly defined view that allows you to see and assess the terrain more effectively.



**+ HYDROPHOBIC COATING**

The high-quality Hydrophobic Coating is used instead of the NMT OPTICS coating for the 4:3 models for children and youths. Beyond the surface protection it also has water-resistant properties that cause moisture to drain off and quickly evaporate.

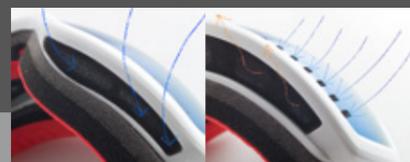
[ H E L M E T & G O G G L E I N T E R F A C E ]

**+ MARKER HELMET/GOGGLE INTEGRATION**

The perfect blend of helmet and goggles is made or broken with the product design. MARKER products are 100% harmonized to one another. All goggles are designed to fit perfectly to the shape of the helmets and their brow lines. This perfect adaptation ensures 100% functionality for the MarkAIR CHANNEL and MarkAIR VENT SYSTEMS for ventilation of the helmet and goggles.

**+ MARKAIR VENT SYSTEM**

All goggle frames are outfitted with the progressive MarkAIR VENT SYSTEM. Design and air flow are engineered simultaneously so that there is perfect lens ventilation and the unobstructed flow of air is guaranteed along the helmet and its MarkAIR CHANNEL SYSTEM. This keeps the inside of the lenses dry and fog-free. The breathable foam behind the inlets and outlets reliably resist the penetration of snow and moisture.



GOGGLES

GOGGLE TECHNOLOGY

**+ SUPERFIT FRAME DESIGN**

MARKER goggles stand out for their perfectly fitting form and top functionality. The shape of the goggles frames and the materials used in the goggles play a decisive role in this. We manufacture all SUPERFIT FRAMES from high-elastic ELASTOGRAN (Made in Germany), which means the goggles automatically hug the contour of the wearer's face. ELASTOGRAN retains its full flexibility regardless of how cold it is outside. The MARKER V-SPLIT NOSE also helps ensure that these goggles fit like no other, as they adapt to the shape of the nose automatically, and seal without pinching or pressing.

**+ XDRY TRIPLE LAYER FACE FOAM**

Extremely comfortable and extra soft! The three-layer XDry construction helps produce an optimal fit and outstanding performance. The soft external fleece layer that touches the skin absorbs moistures and transports it away from the skin.

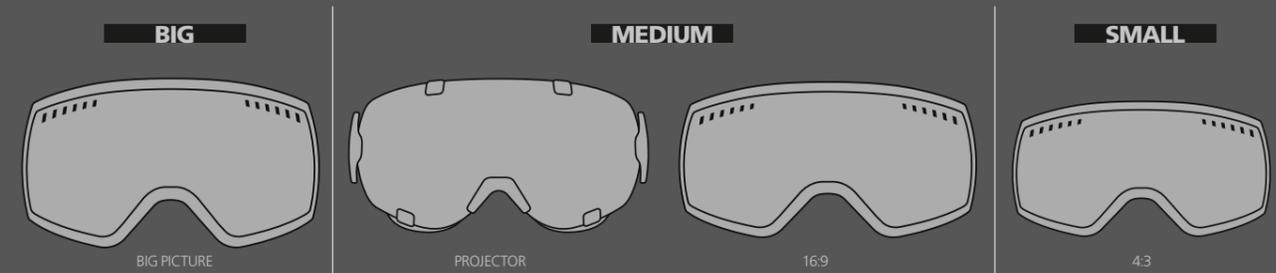
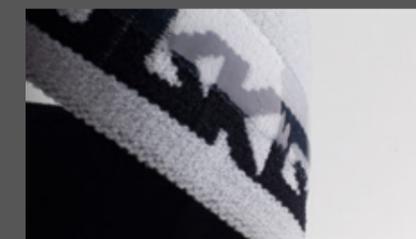


**+ BIG FIT VS. MEDIUM FIT VS. SMALL FIT**

The names of this goggle collection say it all – at least about their size! The product names refer primarily to the frames, since all goggles offer the widest possible field of vision. The goggles grow progressively smaller from PROJECTOR and BIG PICTURE to 16:9 and 4:3, but without noticeably diminishing the field of vision. The choice is yours!

**+ 45MM GOGGLES STRAP WITH SILICON ANTI-SLIP COATING**

The high-quality, top-durability goggle straps distribute the pressure around the head for the perfect hold without irritating pressure points. Thanks to the heat applied silicon coating on the interior of the goggle straps, they sit rock-solid on any helmet for slip-free performance.



**+ NEOPRENE BOX**

All goggles (except 4:3) come in a lightweight neoprene box with a zipper to make transport and storage easier. The soft lining protects the goggles, while the vent holes allow for quick moisture evaporation.



**+ MICROFIBER GOGGLES CASE**

A microfiber soft case is also included with the goggles for added protection in a backpack or jacket pocket. It's also serves as the optimal tool for cleaning lenses.



**+ REPLACEMENT LENS BAG**

All Plus(+) goggles are delivered with replacement lenses in a separate protective bag.



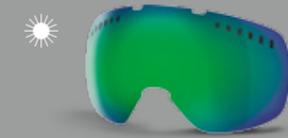
[ HIGH PERFORMANCE LENSES ]



**SURROUND MIRROR 52 VLT: 35% CAT.: S2**  
The high performance SURROUND MIRROR lens with pink base tint. For ultimate depth perception and high contrasts in various light conditions. A true all-rounder for the whole season.



**RED PLASMA MIRROR 52 VLT: 25% CAT.: S2**  
Light brown base lens including MARKER's newly developed PLASMA MIRROR guarantees high contrast vision in sunny and slightly clouded conditions. The red high performance mirror is perfectly suited to absorb the most extreme bright lights.



**GREEN PLASMA MIRROR 53 VLT: 15% CAT.: S3**  
Dark brown base lens tint with green PLASMA MIRROR, especially developed for ultra bright and sunny days. Gives you that extra bit of focus on the action and reduces eye fatigue.



**CLARITY MIRROR 51 VLT: 68% CAT.: S1**  
Light rose base lens tint for maximum depth perception and high contrast definition in low light conditions. The high performance MULTI LAYER MIRROR boosts all natural colours even in foggy and snowy conditions.

VLT SPECIFIES THE TRANSLUCENCY OF A LENS, DEFINING HOW MUCH LIGHT WILL HIT THE EYE.

[ POLARIZED ]

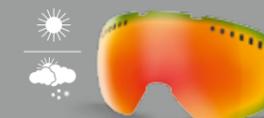


**BLACK LIGHT HD 52 VLT: 21% CAT.: S2**  
The polarized SMOKE base lens tint brightens all details and provides an unmatched visual precision, absorbing maximum stray light. The perfect match for very sunny to slightly clouded days. Even in extreme conditions, the BLACK LIGHT HD (high definition) guarantees the best possible view.

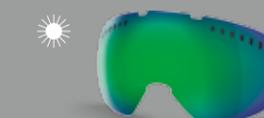


**BLUE HD MIRROR 53 VLT: 12% CAT.: S3**  
Total concentration on your riding: The polarized SMOKE base lens tint with BLUE MIRROR absorbs a maximum of stray light, boosting visual precision. The high performance lens for very bright days cuts glare and reduces eye fatigues.

[ SCREEN MIRROR ]



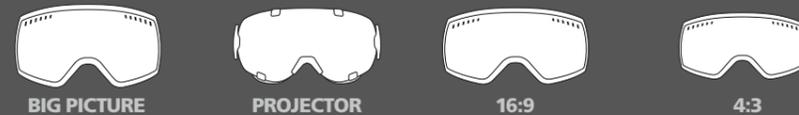
**RED SCREEN MIRROR 52 VLT: 25% CAT.: S2**  
High contrasts due to the light brown base tint lens and the ultra cool RED SCREEN MIRROR. Works perfectly in sunny and cloudy conditions.



**GREEN SCREEN MIRROR 53 VLT: 15% CAT.: S3**  
Nothing better for extreme bright light than the dark brown base tint lens with GREEN SCREEN MIRROR. Increased color definition and reduced eye fatigue.

[ FEATURES GOGGLES OVERVIEW ]

FEATURES OVERVIEW



Frame Size	Large	Medium	Small
<b>NMT OPTICS</b>	○	○	×
Dual Bionomic PC/AC Spherical Lens (Class ONE Lenses)	○	○	○
Thermo Wall Technology	○	○	○
Bionomic Curve lens Technology	○	○	○
Anit-fog & Anti-scratch	○	○	○
Hydrophobic lens coating	○	○	○
100% UV- A-B-C Technology	○	○	○
Helmet compatible	○	○	○
MarkAIR Vent System	○	○	○
Super Fit frame design	○	○	○
3- Layer; Supreme Density Face Foam	○	○	○
Performance Fleece * Fleece Branding Marker	○	○	○
Adjustable 45mm Flex Strap	○	○	○
Microfiber Bag	○	○	○
Neopren Case	○	○	×
High Performance Lens	○	○	×
Screen Mirror	×	×	○
with Spare lens available	○	○	×
with Polarized available * black & white color style	○	○	×

[ FEATURES HELMETS OVERVIEW ]



Size Range	Adult: S = 51-55cm M = 55-59cm L = 59-63cm			51-56cm
Shell Construction	Hybrid	Double In-Mold	Hardshell	
<b>Ortema X Protection Pads</b>	○	×	×	×
<b>Venting</b>				
Marker Air Channel System	○	○	○	○
2 Position Climate Control	○	○	×	×
Air JAM Climate Control	×	×	○	○
Goggle Integration System	○	○	○	○
<b>Size System</b>				
RTS Fit System	○	○	○	×
Park Fit System	×	×	×	○
<b>Fidlock OG Snap</b>	○	○	○	×
<b>Goggle clip</b> * PSE Goggle Clip	○	○	○	○
<b>Edge protection</b>	○	○	×	×
<b>Lining</b>				
Removable & washable	○	○	○	○
Beanie Ready	×	×	○	○
<b>Ear pads</b>				
Snap fit removeable	○	○	○	○
Audio compatible	○	○	○	×