swiss cycling technology

EN 2012

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www.bmc-racing.com

swiss cycling technology

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BMC refines the product range and opens up new segments. Why not take a look for yourself?

impec
The perfect bike – for all those for whom perfection means something. Pure Swissness. The Impec is the start of a new era. An era of Swiss carbon manufacture – from the people of Switzerland to the rest of the world.

race series
Bikes for pros. In road racing, it's all about efficiency in propulsion and maximum stiffness at minimal weight.

performance series
For the ambitious competitive rider who attaches value to quality and design. Ride one of our Performance Series bikes and you'll shine on every tour.

sport series
For getting away from it all – fast. For new riders and fitness riders looking for reliability, rider comfort and a stunning design.

NEW aero series
On the bike stage, as fast as possible is every triathlete's goal. Efficiency through aerodynamics and optimum seated position: the new timemachine offers this even for time trialists from the BMC Racing Team.



race series
XC racing on its best form. This is all about efficiency and maximum propulsion – another gram would simply be too much. The ultimate in stiffness and superlative handling come as standard.

performance series
Whether you're racing, cycling for leisure or for the pure joy of it, BMC's hardtails are always the right choice for off-road biking.

sport series
The race vibe for kids. Why should children miss out on style while their parents pedal on ahead on their cool bikes!



NEW 29er series
More offroad space. With the new BMC 29er, everything around you becomes smaller except the riding fun, which increases. Easier rolling and more traction and riding stability are offered by the big brother of the 26"

marathon series
Negotiating marathon distances in the saddle takes you on steep trails and paths – and stony slopes. If you're up for it, you'll need lots of preparation and a perfect bike.

trail series
Allrounders for downhill trails that wind through the terrain, uphill gravel paths or just gently cruising through nature for your delight.

road series
Racing bikes tailored to the female anatomy. Fitted with components manufactured specially for women for perfect reach, surface finish and design.

mountainbike series
Sheer cycling fun – for girls only. We also configure our mountain bikes with the highest regard for the female anatomy – as women would expect of us.



alpenchallenge
For people who live by the bike, often riding it to work and then further – much further, to the nearest mountain pass: BMC has the legendary alpenchallenge.

NEW urbanchallenge // NEW masschallenge
For people with taste who ride a lot in the city, who do not only have particular demands for the low-maintenance technology of the bike but also for the design there is now the urbanchallenge, with hub gears.

streamer
The bike as your local recreation area. Experience nature by covering longer distances than when you're walking. The carefree everyday bicycle – with style. There is now a special subdivision of the streamer series for the dirt path, the longer ride or the carefree local traffic in the city:

NEW citystreamer
for the city
NEW lightstreamer
for the light bike on a longer tour
NEW crossstreamer
for the fast sporty tour through the forest.



BMC researches excitement.

At BMC, research and development also means constantly questioning everything. It's an essential part of the BMC philosophy. Think outside the box, and you won't get boxed in. How can we combine design and function to achieve originality? How can we extend the frontiers of integration? What fresh aspects can we incorporate?

BMC is style.

We build and develop bikes. And not just any bikes. BMC builds unique bikes. You could even say that you'd still be able to recognize a BMC even if you took away the colors and the name from the frame. The design of the BMC has a language all of its own. Light years away from the interchangeability of today's market.

BMC is Swiss precision.

BMC thinks global and acts Swiss. BMC's headquarters reside in Grenchen, Switzerland, the home of Swiss watches that are the embodiment of Swiss precision. This precision and attention to detail is also reflected in our bikes.

BMC accelerates.

There is one major advantage to the way the BMC product range is developed: the manufacturing and assembly operations at BMC mean that not only can new ideas take shape as pure theory in Grenchen, but they can also swiftly go into production on a trial basis, using a single process. That saves time and provides extra certainty in the initial phase of product innovation.

BMC tests.

Questioning also means testing your results according to the highest standards. Based on the feedback from riders such as Cadel Evans, the Raelert brothers, Moritz Milatz and Roger Rinderknecht. our bikes are subjected to the toughest tests so that afterwards we can continue to work on dialing in the finest details.

All that, with Swiss thoroughness and precision, is done in close cooperation with our strong R&D department. BMC has one of the best-equipped test labs. On an area covering 300 m2, our high-tech products are put through their paces using high-tech equipment. CEN standards are always treated as the absolute minimum requirement.

BMC bikes – daily.

We are based in the Swiss Jura mountains. Among BMC's employees there isn't a single person who hasn't chased down trails or soared over passes, who either covers triathlon distances or rides pump tracks. We know what we are talking about. We live it.

BMC is for lovers.

For people who just love running a magnifying glass over a product to explore its attention to detail. For those of an esthetic bent who love good design. For individualists who are addicted to perfection. Like us.



engineering **for** excitement

BMC stands for Bicycle Manufacturing Company. We do "excitement research" at the Bicycle Manufacturing Company. We don't believe in all that conventional stuff. We take a different approach. Not just to be different but to do the right thing. The right thing so that the people who ride our bikes have the perfect ride experience – and the most fun. Downtown, at the races or out on the trails.

welcome



The development process of every BMC product covers the following four phases:

1. Concept

Every product development starts with an idea. It comes from the needs of our customers and from our desire for ever more efficient and stunning products. After countless drafts, the ideas become concepts that live up to the requirements, for which BMC then offers solutions.

2. Development

The BMC design is the result of the requirements for form and function coming together. With our ultra-precise knowledge of the materials and resources we use, we manage to create tube designs that can cope with the load and give the bike its unmistakable character using clear design lines.
The specific detailed solutions demonstrate the huge amount of attention that is given to each detail. By means of the latest computer simulation technology (FEA), we optimize critical components with respect to weight and stiffness to provide for the ultimate in performance.

3. Optimization

Our in-house test laboratory plays a significant role in our development process. Here, all BMC framesets and parts are tested in accordance with current European CEN standards and our own BMC standards that exceed CEN and are optimized according to clear specifications. Tests are performed that focus on safety and performance aspects. Values are measured, analyzed and compared with the ride evaluations. The findings that result are incorporated into the construction of more prototypes in turn until the performance meets our requirements.
Thanks to our direct connection to the BMC athletes, we are able to test the products in race conditions and obtain valuable feedback for optimization.

In additional steps, we invest a great deal of time and expertise into fine-tuning the suspension, sometimes also in cooperation with our partners in the industry. Our APS suspension mountain bikes thus are superb on trails. Judging by the many excellent test reports we receive, the work that goes into this pays off.

4. Implementation

Our designs are supplemented by works of artworks for which BMC has developed its own shape and color language. Our specific tube designs are accentuated and their identity is reinforced by this. This close interaction between engineering, design and graphics results in the distinctive BMC products.

Findings from the laboratory tests are directly compared with the experience of our team riders. Thanks to constant testing, we are able to continuously improve our products.













swiss design and development

A BMC is always recognizable. Even without labels or colors. The silhouette of the frame alone says BMC.

Measure, test, analyze; BMC engineers in collaboration with Andreas and Michael Raelert.

Cadel Evans on the prototype of the new time-machine in the wind tunnel.

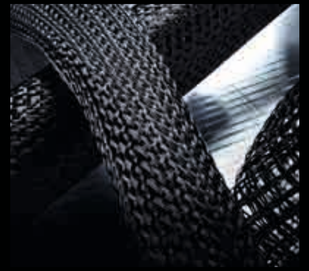




impec production

Only at BMC, “Swiss Made” stands for an integrated industrial manufacturing process that meets the highest quality requirements. A highly efficient carbon frame is produced that is not laminated, but is made of load-specific woven tubes. Connected with a revolutionary half-shell system that connects these tubes with high-strength shells. The *impec*.





Switzerland a production site for bicycles? For BMC, definitely.

We provide the proof in Grenchen: After a development period of over three years, the impec is created here in a pioneering, integrated production process that has a very simple goal: 100 percent quality. impec is different. The frame is made of specific tubes whose carbon structure is woven by a robot with absolute precision. We named the process load specific weave (lsw) since it tailors every tube and every section of tube in accordance with its function and load.



impec story

BMC does not only take their own approach in the design and development, but also in the manufacture. With the impec production in their own country.



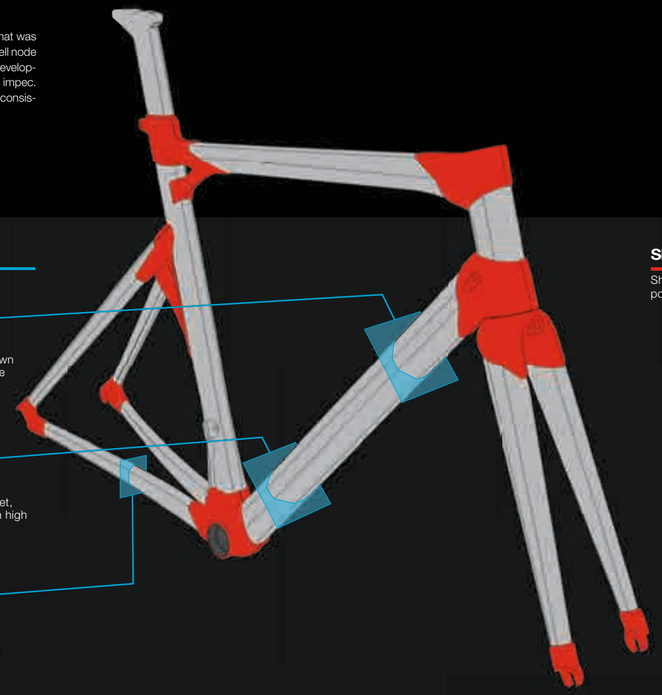
The impec is pure high-tech. Industrial robots, radial braiding machine and newly developed composite materials are the focus of the manufacturing processes.

impec assembly line in Grenchen. This is where the revolution in frame building takes place. And it is also where it is completely built.



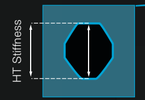
The impec is high tech plus design plus performance plus pure emotion. And it is the absolute first of its kind.

Rethinking the bike. Optimizing the genetic code. That was the job. Resulting in load specific weave (lsw) and shell node concept (snc). Both technologies are BMC's own developments that we have implemented exclusively for the impec. No other bike has been imagined with an eye so consistently on the future.



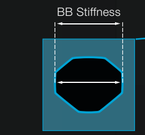
Force specific tubing

optimized power transfer



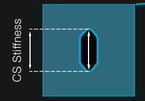
Upper Downtube

for a stiff headtube, down tube is higher than wide



Lower Downtube

for a stiff bottom bracket, downtube is wider than high

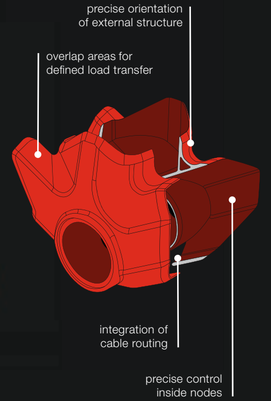


Chainstays

for a stiff rear triangle, cross sections are high

SNC

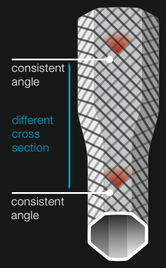
Shell Node Concept means a high control of the node-points through splitting them in two halves.



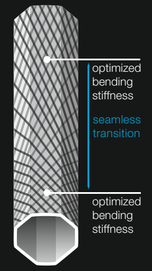
LSW

Load Specific Weave means
– defined and controlled fiber orientation
– consistent angles over different cross sections
– different angles in the same cross section

LSW tube with consistent angles over different cross sections



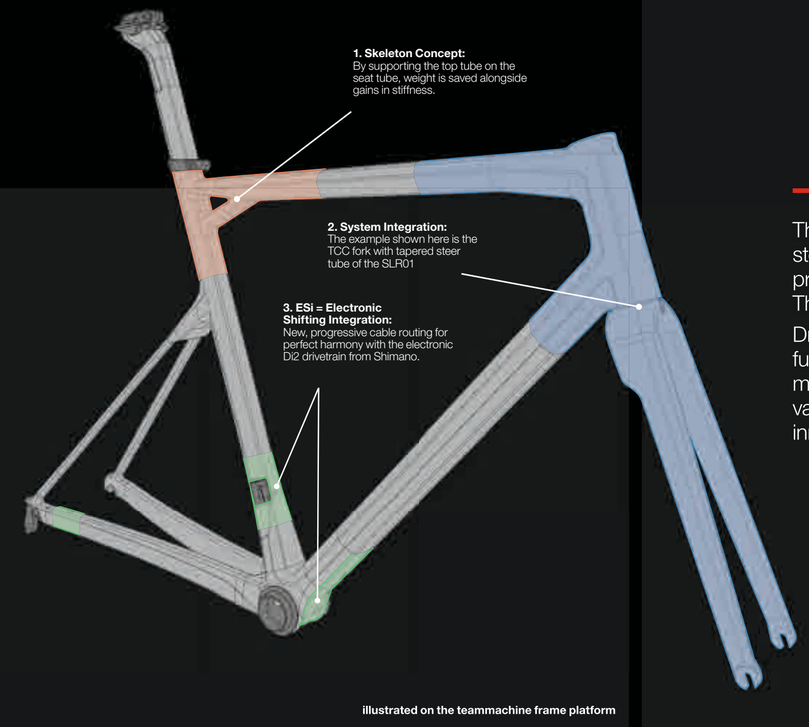
LSW tube with different angles in the same cross section



Terms like "load specific weave" and "shell node concept" represent BMC innovations that provide for greater stability, accurate handling and increased ride comfort and were of key importance in the development of the impec.

Giro d'Italia 2011, Stage 8, Mathias Frank





illustrated on the teammachine frame platform

bmc features

The fact that you always recognize a BMC stems from the distinct technologies that have proven themselves and were continually refined. These properties make a BMC 100 % original.

Driven by improved handling and more cycling fun, we constantly seek to optimize performance. This specific core technology of the various frame platforms makes the BMC 100 % innovative.

technology

1. Skeleton Concept:

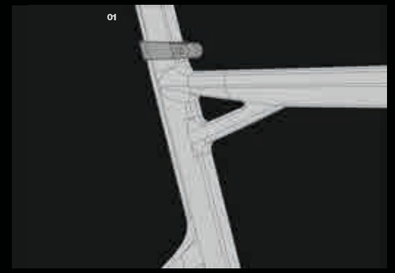
The skeleton concept iSC (integrated Skeleton Concept) has been around since the first legendary promachine. Since then, the concept has spent over a decade being refined and redefined. The idea is saving weight by supporting the top tube at the seat tube and increasing the stiffness where it is needed. In the front triangle of the frame.
With the help of the latest in FEM (Finite Elements Method) computer technology, we can tailor each tube junction perfectly to the distribution of forces. Cleverly selected skeletal reinforcement elements at the nodal points and the spread of the top tube distribute the impacting forces perfectly and result in BMC's typical crosslock.

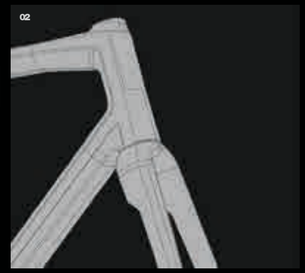
2. System Integration

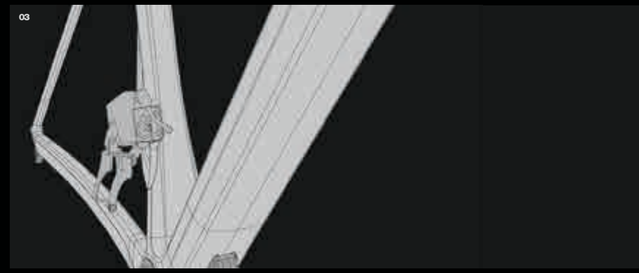
A BMC is not the sum of its parts. A BMC is an overall concept. Synchronized in detail. We develop integrated solutions. We consider the fork and seatpost as well as the disk brake fitting to be parts of the frame. With the cable routing, the frame manages to appear even more tidy.
With the fine-tuning and integration of the entire frame system, these solutions provide the added value of BMC not just in terms of the technology, but they also refine the visual originality.

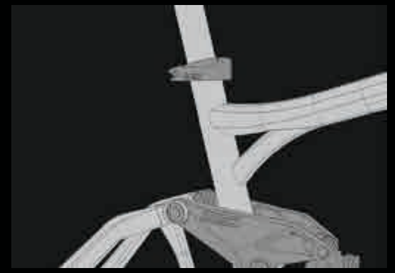
3. ESi = Electronic Shifting Integration

Special optimized cable routing compatible for Shimano Di2 and a battery bracket below the bottom bracket ensure a tidy appearance – completely without cable ties or adhesive tape. There is not a more perfect solution.

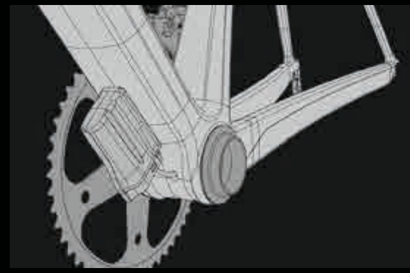












01 Skeleton concept in unidirectional carbon for the teammachine SLR01 or in triple-butted aluminum in the trailfox TF02.

02 System integration using the integrated TCC fork on the teammachine or the natural-born postmount of the trailfox by way of example.

03 ESi – cleanly solved Di2 integration.

3. TCC – tuned compliance concept

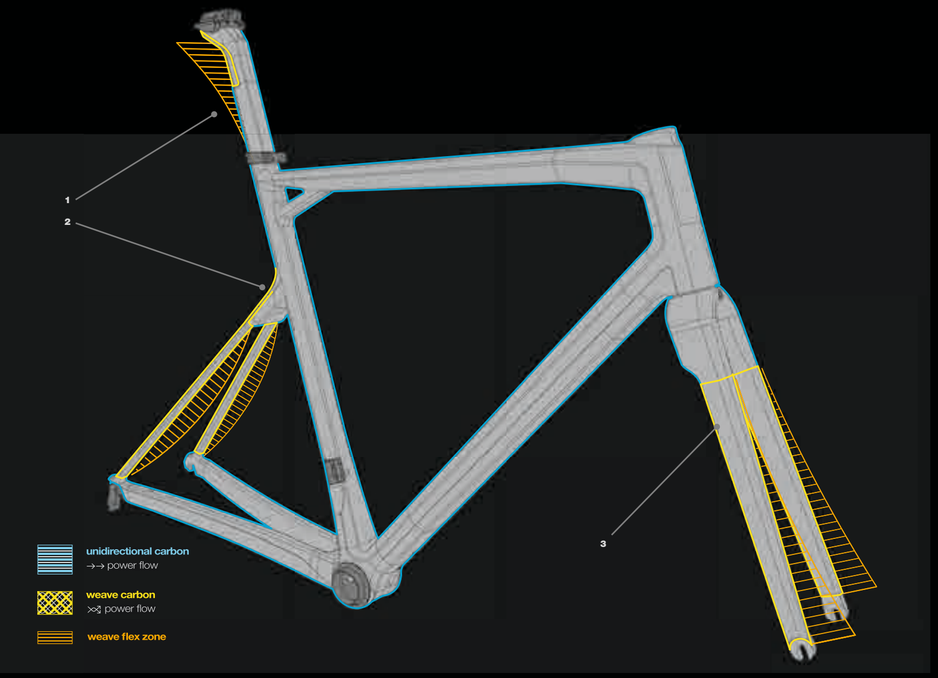
The "tuned compliance concept" (TCC) results in the absorption of vibration and thus optimized ride qualities for the carbon products such as the SLR01. The TCC frame consists of four monocoque components in which the carbon fibers run continuously from tube to tube. Tube dimensions and the joints can thus be ideally designed for weight, stiffness and comfort. The vertical compliance of the TCC in the seat stays, fork and seatpost absorbs vibrations and lets the athlete ride longer without getting tired. The TCC fork is equipped with a 1-⅛ –1-¼" fork shaft and thus enables safe and precise steering. The flexibility of the TCC seat stays allow for perfectly steered cornering.

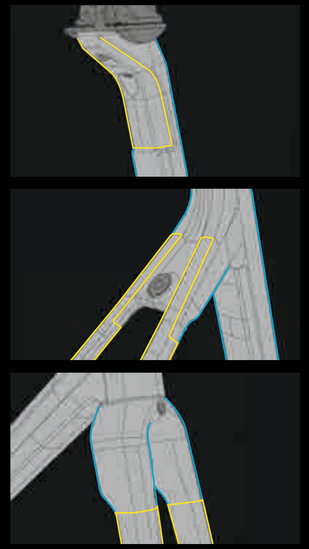
The TCC concept hereby offers the perfect balance between stiffness and comfort.Depending on the intended use of the bikes, the TCC concept is integrated to various degrees in the BMC models.

The seatpost is one of the three comfort zones in the tuned compliance concept. UD & weave-carbon serve different functions.

Probably the most striking shock zone is the seat stays highlighted by the deliberate use of a different material.

The shock behavior at the front is based on a number of factors including the tapered forkposts for which there is also a significant change in material.

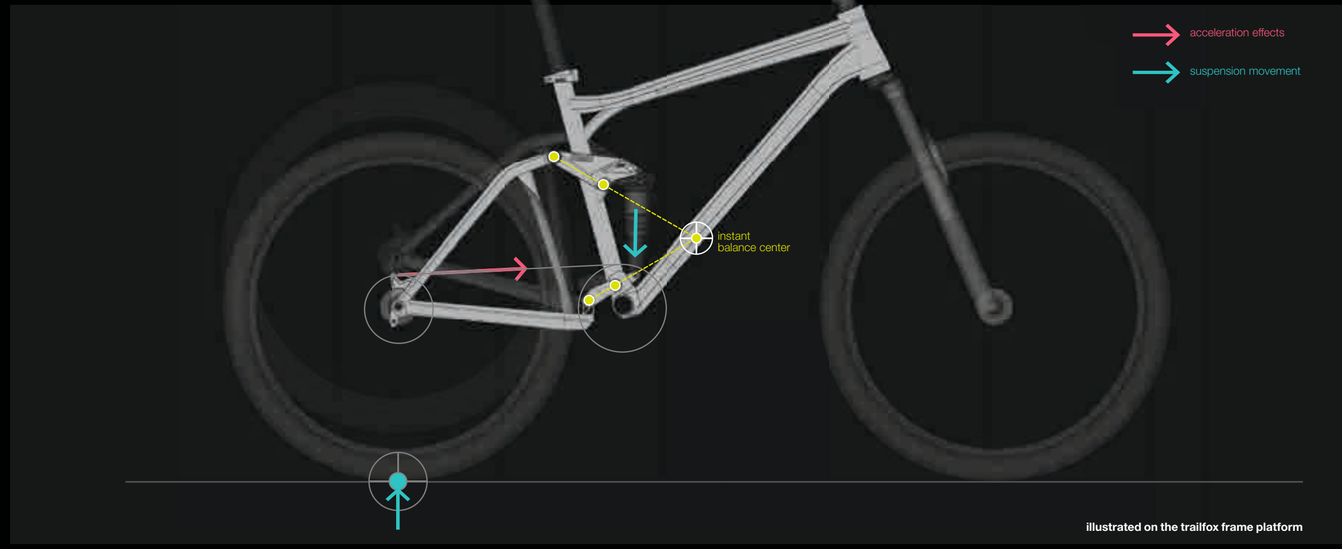




4. APS – advanced pivot system

An ideal suspension system converts all the rider's energy into propulsion while the shock system absorbs the impacts regardless of the effects of acceleration. By carefully calculating the position of the pivotal points on the APS rear suspension, we can achieve this aim with great precision.

When accelerating, an inertia force is generated which the shock system attempts to compensate for. With APS, the virtual pivotal point is positioned so that the chain tension compensates for this effect. All the pedal power is used for propulsion without any loss of energy in the suspension. The shock system ensures optimum traction and therefore ensures that power is transferred to the ground. The impacts are absorbed by the shock system providing excellent comfort for the rider. The Advanced Pivot System offers the rider the perfect combination of efficiency, unsurpassed traction and comfort.



illustrated on the trailfox frame platform

Dialog and development with the athletes

Our test procedure allows us to test our frames with great precision and under laboratory conditions. But real life happens outside the lab. That's why our professional athletes are just as important for our product development work. They ride and push our bikes to the absolute limit. And they have an unfailing instinct for optimum frame design. It's how we obtain valuable feedback and are able to actively and systematically generate data on our products under endurance testing. This procedure provides insights that no laboratory in the world can deliver. Because what really counts in the end is how it feels in the saddle.

Our most important partner in terms of athletes is the BMC Racing Team around Cadel Evans and George Hincapie. Our bicycles are tested to the extreme over nearly one million race and training kilometers. The insights gained from these tests flow directly into the work of developing new bicycles and help us to continue to optimize existing product lines.

When developing the triathlon bikes, our valuable partners are the brothers Andreas and Michael Raelert as well as Ronnie Schildknecht and the ewz power team. The valuable experience of absolute top athletes contributed significantly here to the development of an extraordinary bike. Our commitment is supplemented by the support of the BMC Mountain Bike Racing Team around the German champion Moritz Milatz as well as the BMC Trailcrew surrounding Roger Rinderknecht, for which Myriam Saugy and Tobi Woggon also ride.

















excitement research is professional teamwork

Close contact with our athletes is very important to BMC and is a decisive contributing factor to our ability to keep our finger on the pulse of innovation, always looking to further develop our products. We believe that peak performance is only possible when athlete and material are a perfect fit and the aim is always to reach the absolute top.



Professional athletes like Andreas and Michael Raelert or the BMC Racing Team supply us with valuable information, whether from their everyday racing experience or from specific laboratory tests.

In mountain biking as well, athletes such as Moritz Milatz, Alex Moos or Balz Weber from the BMC Mountain Bike Racing Team ride to the top spots on the podium.

Roger Rinderknecht always delivers in four-cross.























winner of the tour de france 2011

Congratulation to Cadel Evans and the whole BMC Racing Team.

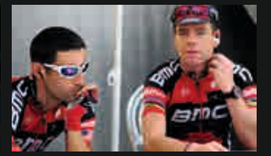




swiss made
outside the box

A bike that follows the vision of BMC. The impec gives a new perspective on cycling. A statement of swiss precision. Handmade by machines in Switzerland. Not just a bike, but an attitude, race proven in the grand tours. Load specific woven tubes, connected with a revolutionary shell node concept make the impec a highly efficient Carbon frame.





Tour de France, Stage 21, Paris Chanps-Élysées.

100 percent benchmarking

Raising the bar. Redesigning the wheel. Optimizing the genetic code. That was our brief. The result: Load Specific Weave – LSW and Shell Node Concept – SNC. Both technologies are BMC proprietary developments which we have implemented exclusively for the impec.

SNC Shell Node Concept

The Shell Node Concept – SNC guarantees maximum stiffness and stability of the frame joints on the impec. These high-density half-shells are made from a newly developed carbon compound material and are bonded under precision control with the frame tubes during assembly of the frame. The benefit of the SNC half-shell technology lies in its total control over the junctions. This results in absolutely flawless frame joints on the impec.

LSW Load Specific Weave

In this process, the tubes for the frame of the impec are woven first of all from carbon fibers and then in a second step are converted to a highly rigid structure using a special resin compound. The load-specific weaving process is fully automated. This results in absolutely flawless frame tubes

01 Di2 integration, the frame ideally accommodates the rechargeable battery and cable of the Shimano Di2.

02/ 03 Shell node concept, SNC for short. The frame joints of the impec each consist of two half-shells which are bonded with the frame tubes in the final assembly with absolute precision.

01



02



03



SNC shell
node concept

LSW load
specific weave

BB30
interface

tapered
steerer



impec Dura Ace Di2

- impec Carbon
- impec Carbon
- Shimano Dura Ace Di2
- Shimano Dura Ace
- Easton, EC90 SLX3
- Easton, EC90
- Easton, EC90 SL Clincher
- Team Red
- Noble
- White

\+ various options
see specification booklet

[SWA] Swiss Assembly see page 110

SNC shell
node concept

LSW load
specific weave

BB30
interface

tapered
steerer





impec Ultegra Di2	impec Sram Red	impec Ultegra
impec Carbon	impec Carbon	impec Carbon
impec Carbon	impec Carbon	impec Carbon
Shimano Ultegra Di2	Sram Red	Shimano Ultegra
Shimano Ultegra	Sram Red	Shimano Ultegra
Easton, EC90 SLX3	Easton, EC90 SLX3	Easton, EC90 SLX3
Easton, EC90	Easton, EC90	Easton, EC90
Mavic Cosmic Carbon	Mavic Cosmic Carbon	Easton, EC90 SL Clincher
Team Red	Team Red	Team Red
Noble	Noble	Noble
White	White	White
+ various options see specification booklet	+ various options see specification booklet	+ various options see specification booklet
[SWA] Swiss Assembly see page 110	[SWA] Swiss Assembly see page 110	[SWA] Swiss Assembly see page 110



Tour de Suisse, stage 7, Flüelapass 2383m

swiss machines
precise and performing

Skeleton Concept, Crosslock. A BMC road bike can be recognized just by looking at the silhouette. Swiss precision and function, consequently shaped in a Swiss design, this is what BMC stands for. BMC also stands for a long and successful heritage in the pro peloton. Racing is in our blood. And our bikes are the choice of the best riders in the world. And their knowledge and feedback helps us to constantly improve and refine. From teammachine to streetracer, a BMC always has the same genes.





Absorption of vibration with TCC (Tuned Compliance Concept)

A bike that conveys direct propulsion and handles with precision but does not carry over direct and tiring impacts to the rider at the same time due to the hardness of the frame.

The SLR01 frame consists of four monocoque components in which the carbon fibers run continuously from tube to tube. Tube dimensions and the joints can thus be ideally designed for weight, stiffness and comfort. The frame of the SLR hereby offers the perfect balance between stiffness and comfort.

01 Stable bottom bracket with BB86 inner bearing mount, ensures uncompromising propulsion.

02 Pioneering TCC concept in seat stays, absorbs vibrations and provides considerably greater comfort and optimized ride qualities.

03 Ideal joints - BMC's legendary trademark, the unique integrated skeleton concept.

TCC tuned compliance concept

iSC integrated skeleton concept

ESi electronic shifting integration

BB86 interface

tapered steerer

SLR01 Ultegra Di2

- TCC Carbon
- TCC Carbon
- Shimano Ultegra Di2
- Shimano Ultegra
- Easton, EC90 SLX3
- Easton, EA90
- Easton, EA90 SE
- Team
- Compact









TCC tuned
compliance concept

iSC integrated
skeleton concept

BB86
interface

tapered
steerer







SLR01 Sram Red

TCC Carbon
TCC Carbon
Sram Red
TRP R970 EQ Magnesium
Easton, EC90 SLX3
Easton, EA90
Easton, EA90 SE
Blue
Team
Compact

SLR01 Dura Ace Di2 [SWA]

TCC Carbon
TCC Carbon
Shimano Dura Ace Di2
Shimano Dura Ace
Easton, EC90 SLX3
Easton, EA90
Easton, EC 90
Team
various options see specification booklet

[SWA] Swiss Assembly see page 110

SLR01 Ultegra

TCC Carbon
TCC Carbon
Shimano Ultegra
Shimano Ultegra
Easton, EC90 SLX3
Easton, EA90
Mavic Ksyrium Elite
Team
Triple

SLR01 Dura Ace [SWA]

TCC Carbon
TCC Carbon
Shimano Dura Ace
Shimano Dura Ace
Easton, EC90 SLX3
Easton, EA90
Mavic Cosmic Carbon
White
Blue
various options see specification booklet

[SWA] Swiss Assembly see page 110



Light and stiff frame building with iSC (integrated Skeleton Concept)

For the ambitious cyclist who attaches great importance to direct handling, good propulsion and the best possible efficiency.

Thanks to the use of the highest quality carbon materials – with the function-specific application of highly rigid and high-strength fibers – BMC develops a very light, performance-oriented iSC carbon frame.



TCC tuned compliance concept

iSC integrated skeleton concept

ESi electronic shifting integration

BB86 interface

tapered steerer





RM01 Ultegra Di2	RM01 Ultegra	RM01 Sram Red
iSC Carbon	iSC Carbon	iSC Carbon
TCC Carbon	TCC Carbon	TCC Carbon
Shimano Ultegra Di2	Shimano Ultegra	Sram Red
Shimano Ultegra	Shimano Ultegra	TRP R870
Easton, EC90 SLX3	Easton, EC90 SLX3	Easton, EC90 SLX3
Easton, EA70	Easton, EA70	Easton, EA70
Mavic Keyrium Elite	DT Swiss R-1650 Tubeless	Easton, EA90 SL
White	Team	Team
Compact	White	White
	Triple	Compact

System integration, TCC fork with double-butted head tube ensures uncompromising lateral stiffness and steering precision.

Attractive solutions; lower slung seat stays and BMC's typical crosslock.







swiss values
premium choices

BMC stands for unique design with high quality. Thousands of test kilometers from the BMC Racing Team form a standard of knowledge that helps us to set benchmarks for the development of the overall BMC bikes. This results in performance-oriented racing bikes developed with the input from some of the best riders in the world with an unmistakable look that makes every bike something special.









Tour de Suisse, Stage 6, Walensee.

Carbon expertise and clever system integration

The roadracer carbon frame ensures the best possible comfort and performance thanks to its aerodynamic design lines, the integration of key components, the Straightedge 048 SL TP fork manufactured completely out of carbon as well as the new airfoil carbon seatpost. The ideal bike for the rider focused on endurance.

01 iSC carbon frame with integrated gear and brake cable routing and super-light BMC carbon seatpost.

02/03 Ideal Di2 integration, special mounts on the frame for the rechargeable battery and cable.

01



02



03



iSC integrated skeleton concept

unidirectional pure carbon

ESi electronic shifting integration

tapered steerer



SL01 Ultegra Di2

- iSC Carbon
- BMC SE48 SL TP Carbon
- Shimano Ultegra Di2
- Shimano Ultegra
- Easton, EA30
- Easton, EA70
- Mavic Ksyrium Elite
- Red

iSC integrated
skeleton concept

unidirectional
pure carbon

tapered
steerer

airfoil
post





SL01 Ultegra	SL01 Tiagra	SL01 105
iSC Carbon	iSC Carbon	iSC Carbon
BMC SE48 SL TP Carbon	BMC SE48 SL TP Carbon	BMC SE48 SL TP Carbon
Shimano Ultegra	Shimano Tiagra	Shimano 105
Shimano Ultegra	Shimano Tiagra	Shimano 105
Easton, EA30	Easton, EA30	Easton, EA30
Easton, EA70	Easton, EA70	Easton, EA70
DT Swiss R-1650 Tubeless	Shimano R-501	Mavic 2012 Aksium
Red	Red	White
Naked		Red
Compact & Triple		Naked
		Compact & Triple



Maximum efficiency in aluminum frame building

The frame, manufactured from top-quality aluminum in a highly complex and intricate hydroforming process, and the BMC fork give the streetracer the best possible mix of efficiency and comfort. The typical BMC design and striking tube profiles leave no doubt that the beginner model offers top ride qualities.

iSC integrated skeleton concept

triple butted aluminum







SR01 Ultegra	SR01 Tiagra	SR01 105
iSC Alloy	iSC Alloy	iSC Alloy
BMC SE48 Alloy/Carbon	BMC SE48 Alloy/Carbon	BMC SE48 Alloy/Carbon
Shimano Ultegra	Shimano Tiagra	Shimano 105
Shimano Ultegra	Tektro R741	Shimano R561
Easton, EA30	Easton, EA30	Easton, EA30
Easton, EA30	Easton, EA30	Easton, EA30
Mavic CXP22/Shimano2200	Shimano R-501	Shimano R-501
Gunmetal	Silver	Black
	Triple	Silver
		Comapct & Triple

swiss air
makes you fast

What makes you fast? The ideal triathlon bike is the perfect synergy of best aerodynamics and the necessary comfort for up to 180 k. The bike that makes you faster. BMC developed the formula to invent the perfect Tri / TT bike
Vmax = p▫p × sub^A







Andreas Raelert on the way for the new world-best triathlon time at the Challenge Roth triathlon.

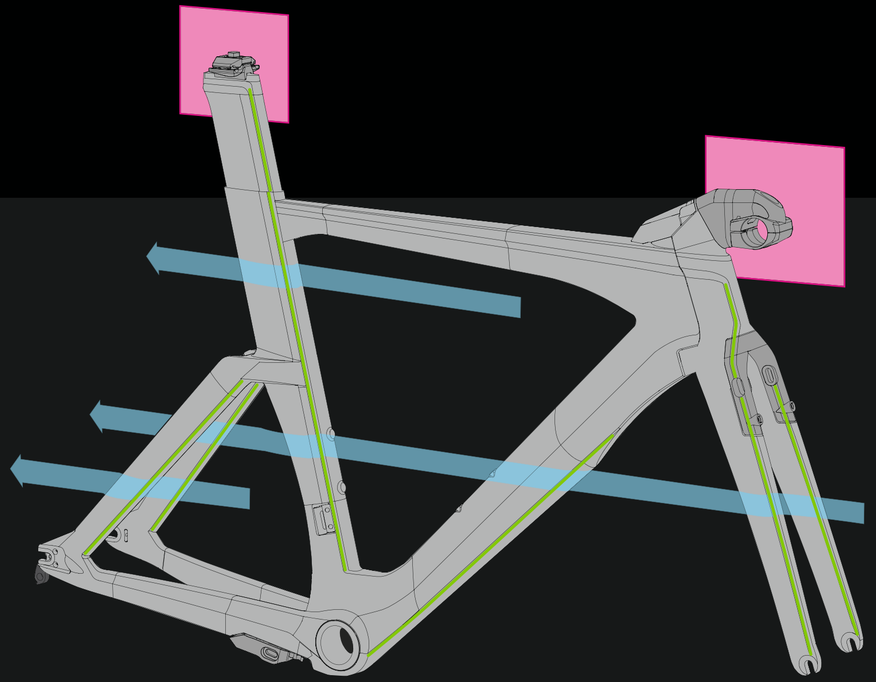
Vmax = p2p x subA

V max is the goal: maximum velocity
p2p stands for : "position to perform"
subA: = maximization of the aerodynamics by minimizing the frontal area

Over the last 3 years our team of engineers has collected a lot of measurement data from athletes who use a time trials bike and has analyzed the data closely. The new timemachine resulted from this. It is configured for extreme time trials and for Ironman distances.

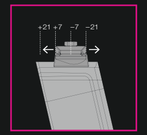
Position to perform stands for the maximum adjustability of the handlebar/stem and saddle position. subA refers to the maximization of the aerodynamics by minimizing the frontal area of the bike.

Testing the aerodynamics in the wind tunnel. Andreas Raelert on the TM01 prototype.



p2p position to perform

Maximum adaptability thanks to the p2p concept.
With every timemachine, an adaptability in over 30 different combinations can be achieved.



21_21 offset
Expanded by means of 4 different home positions at the seat tube. It is thus also possible to adjust this setting in the course of the season



tri angle concept
30 different setting options at the stem allow any possible seated position.



Angle pieces enable a basic choice between the aerodynamic position and comfort position.



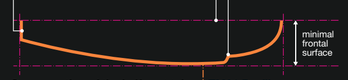
Spacer modules allow the individual geometries of the body to be considered.

subA aerodynamic maximization

Best aerodynamics - The sub A concept
subA = "Minimizing the frontal area of the bike" by means of 3 core features.

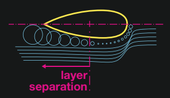
subA concept

A – Truncated profile
B – Tripwire
C – Tear drop 3:1

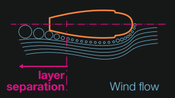


Cross-section of the half seat tube: TM01 Profile

TT01 Profile, without Tripwire

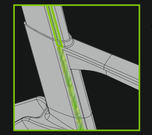


TM01 Profile, with Tripwire

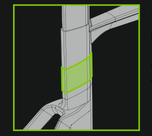




Very narrow aerodynamically formed head tube.



Tripwire lines at the wind curbs.



3:1 profile and truncated profile behind the seat tube to ensure better rigidity with the same aerodynamics.



The bike that makes you faster.

timemachine TM01, the perfect synergy of the best aerodynamics and the comfort that you need for an Ironman distance. The pioneering aero design of the carbon frame with the perfect integration of brakes and electronic components and the maximum adjustability of the handlebar/stem and saddle position (p2p see page 44) make the TM01 the perfect triathlon and time trials bike.

01 Aero hinge instead of the head tube. The fork shaft tube forms an aerodynamic nose. And the tri angle concept at the stem enables over 30 different adjustment options.

02 subA - maximization of the aerodynamics by minimizing the frontal area of the bike.

03 System integration - the brakes and the Di2 technology from Shimano are perfectly integrated into the frame.







p2p position
to perform

subA aerodynamic
maximization

aero
hinge fork

BB30
interface

dual transmission
integration



TM01 Dura Ace Di2

- subA Carbon
- Carbon Integrated Aero Hinge
- Shimano Dura Ace Di2
- Shimano Dura Ace Di2
- Profile Prosvet Carbon
- BMC P2P Tri Angle Concept Stem
- Zipp 808 Tubular
- Blue

TM01 Sram Red

- subA Carbon
- Carbon Integrated Aero Hinge
- Sram Red
- Sram BL-990 Aero Adjustable
- Profile Prosvet Carbon
- BMC P2P Tri Angle Concept Stem
- DT Swiss R-1650 Tubeless
- Team

p2p position to perform

subA aerodynamic maximization

aero hinge fork

BB30 interface

dual transmission integration



TM01 Ultegra

- subA Carbon
- Carbon Integrated Aero Hinge
- Shimano Ultegra
- Shimano Ultegra
- Profile Ozero
- BMC P2P Tri Angle Concept Stem
- Mavic Aksium
- Team



Our timemachine TM02 is aimed at long-distance bikers. For time trials in particular an aerodynamic posture and the adaptability to an ergonomic seated position are the two decisive factors for victory or defeat.
Optimized down to the last detail, all components are perfectly harmonized for maximum aerodynamic effect, speed and performance. As it can be produced in a great many configurations, the timemachine TM02 is extremely versatile and satisfies not only the needs of triathletes, but also the requirements of time trialists.

subA aerodynamic maximization

aero fork

aero post

BB30 interface

dual transmission integration



System integration - the brakes and the Di2 technology from Shimano are perfectly integrated into the frame.

Truncated profile and tripwire lines also ensure outstanding aerodynamics on the TM02.

TM02 Ultegra	TM02 105
subA Carbon	subA Carbon
Carbon Aero	Carbon Aero
Shimano Ultegra	Shimano 105
BMC Integrated Rear Shimano Ultegra Front	BMC Integrated Rear Shimano 105 Front
Profile Ozero	Profile T2 Wing
Easton EA70	Easton, EA30
Mavic Aksium	Shimano R-501
Silver	White







swiss obligations
it is in our nature

Switzerland is famous for watches and banking. Because Swiss people are so precise. Switzerland is also famous for the Alps. The area of Switzerland is 41,285 km² (eg. Iowa is 145,743 km²)
There are 206 mountains in Switzerland. A mountain is defined to be above 600 m / appr. 2000 feet. 48 of the Alpine Fourthousanders are in Switzerland, the remaining 30 are within 20 k of the border. Switzerland enjoys a 62,000-km network of well-maintained trails, of which 23,000 are located in mountainous areas. We ride them. That's why we want to build the best mountain bikes. It's in the Swiss nature.









XC Worldcup 2011
Pietermaritzburg South Africa, Moritz Milatz,
BMC Mountainbike Team.

Pure efficiency

With its frame weight of 1100g and 100mm spring travel, the teamelite TE01 sets the standard for lightweight, race-standard hardtail bikes. With its race-tested geometry, the teamelite 01 responds with lightning speed and provides a secure and controlled ride every time.

The vertical compliance of the Tuned Compliance Concept, or TCC for short (see page ?), that is applied to the seat stays and seatpost of the teamelite 01 absorbs vibrations and uneven surfaces so that athletes can ride for longer without becoming fatigued.

TCC tuned compliance concept

iSC integrated skeleton concept

natural born postmount

100mm front travel range



TE01 XX	TE01 XTR	TE01 XO
TCC Carbon	TCC Carbon	TCC Carbon
DT Swiss, XRC 100 Race Remote Lockout	Fox Float Factory FIT Terra Logic, 100mm, Kashima	Fox Float Factory FIT Remote, 100mm
Sram XX	Shimano XTR	Sram XO
Sram XX, 160mm Rotor	Shimano XTR, 160mm Rotor	Sram XO, 160mm Rotor
Easton, EC70, Flat 685mm	Easton, EC70, Flat 685mm	Easton, EC70, Flat 685mm
Easton, EA90	Easton, EA90	Easton, EA90
DT Swiss XRC 1350	DT Swiss Tricon 1550	DT Swiss XR 1450
Red	Naked	Red



BMC cable clamps for clean routing of cables and stainless steel plates for protection of the frame in the event of chain suck.

TCC shock zone at the seat stays, highlighted by the deliberate use of a different material.





teamelite TE01 race series

TE01 XT	TE01 XT/SLX
TCC Carbon	TCC Carbon
Fox Float Evolution RL Remote, 100mm	Fox Float Evolution RL Remote, 100mm
Shimano XT	Shimano XT/SLX
Shimano XT, 160mm Rotor	Avid Elixir 7, 160mm Rotor
Easton, EC70, Flat 685mm	Scor MKII, Flat 720mm
Easton, EA70	Scor MKII
DT Swiss X1600	Mavic Crossride
Naked	Green
	Red



TCC tuned compliance concept

iSC integrated skeleton concept

natural born postmount

100 mm front travel range





XC Worldcup 2011 Dalby Forest England, Moritz Milatz, BMC Mountainbike Team.

Light weight for enthusiasts

The teamelite TE02 is designed to appeal to long-distance riders as well as to enthusiasts. Thanks to hydroforming, the aluminum tubes are matched to precisely defined tube profiles and transitions. This, along with the triple-butted aluminum, enables us to achieve an optimum distribution of forces coupled with very low weight.

iSC integrated skeleton concept

triple butted aluminum

100 mm front travel range





TE02 XT	TE02 SLX/XT	TE02 Deore/SLX
iSC Alloy	iSC Alloy	iSC Alloy
Fox Float Evolution RL Remote, 100mm	Rock Shox Reba RL Remote, 100mm	Rock Shox Recon Gold TK Remote, 100mm
Shimano XT	Shimano SLX/XT	Shimano Deore/SLX
Avid Elixir 7, Carbon 180mm Rotor	Avid Elixir 7, 180mm Rotor	Shimano 446, 180mm Rotor
Scor MKII, Low Rise	Scor MKII, Low Rise	Scor MKII, Low Rise
Scor MKII	Scor MKII	Scor MKIII
Mavic Crossride	Shimano/Alex XD-Comp	Shimano/Alex XD-Comp
White	Black	White/Orange



Super race full suspension

A light bike equipped with a neutral-drive suspension system guaranteeing direct propulsion awaits the rider. On steep ascents the bike offers optimum traction, and on descents smooth running and agile handling.

Skillful shaping and sizing of the tubes and nodal points, along with the targeted use of the highest quality of carbon material, results in the lightest and most efficient APS carbon frame ever built.

01 System Integration (natural born postmount) - built-in brake cylinder fitting.

02 3D forged rockers and sealed bearings at all links.

03 APS neutral drive suspension system: Offers the ultimate in chassis performance, sensitive response behavior in all situations and incredible traction.

01



02



03



APS advanced pivot system

TCC tuned compliance concept

iSC integrated skeleton concept

natural born postmount

initial load indicator

100 mm full travel range



FS01 XTR

- APS Carbon (Rear Travel 100mm)
- Fox Float Factory FIT RLC, 100mm, Kashima
- Fox Float Performance, RP23 BV
- Shimano XTR
- Shimano XTR, 160mm Rotor
- Easton, EC70, Flat 685mm
- Easton, EA90
- DT Swiss Tricon 1550
- Naked

fourstroke FS01 race series

FS01 XX

APS Carbon (Rear Travel 100mm)
Fox Float Factory FIT RLC, 100mm, Kashima
DT Swiss XM 180
Sram XX
Sram XX, 160mm Rotor
Easton, EC70, Flat 685mm
Easton, EA90
DT Swiss XRC 1350
Red

FS01 XO

APS Carbon (Rear Travel 100mm)
Fox Float Factory FIT RLC, 100mm
Fox Float Performance, RP2 BV
Sram XO
Sram XO, 160mm Rotor
Easton, EC70, Flat 685mm
Easton, EA90
DT Swiss XR 1450
Red



APS advanced pivot system

TCC tuned compliance concept

iSC integrated skeleton concept

natural born postmount

initial load indicator

100 mm full travel range





The best of both worlds

An impressive bike for a technical and visual impact. The typical BMC design and striking tube profiles leave no doubt that the fourstroke FS02 offers top ride qualities. The targeted use of the highest quality of carbon material in the front frame triangle combined with an aluminum chainstay result in an efficient, very lightweight carbon/ aluminum frame.

APS advanced pivot system

iSC integrated skeleton concept

100mm full travel range







FS02 XT	FS02 XT/SLX	FS02 XT/SLX
APS Carbon/Alloy (Rear Travel 100mm)	APS Carbon/Alloy (Rear Travel 100mm)	APS Carbon/Alloy (Rear Travel 100mm)
Fox Float Performance FIT RL, 100mm	Fox Float Evolution RL, 100mm	Fox Float Evolution RL, 100mm
Fox Float Performance, RP2 BSD	Fox Float Performance, RP2 BSD	Fox Float Performance, RP2 BSD
Shimano XT	Shimano XT/SLX	Shimano XT/SLX
Shimano XT, 160mm Rotor	Avid Elixir 7, 160mm Rotor	Avid Elixir 7, 160mm Rotor
Easton, EA70, Flat 685mm	Scor MKII, Flat 720mm	Scor MKII, Flat 720mm
Easton, EA70	Scor MKII	Scor MKII
DT Swiss X1600	Mavic Crossride	Mavic Crossride
Black	Green	Red
	Red	Green

Light aluminum chainstay at carbon frame.

APS suspension system for the ultimate in chassis performance.





APS advanced pivot system

iSC integrated skeleton concept

triple butted aluminum

natural born postmount

initial load indicator

120 mm full travel range



Aluminum competence

An efficient, light bike with outstanding climbing performance and a reliable suspension, it never lets you down, whether on technical single trails or rough rocky stretches. The bike is a reliable partner, whether on long tours or for a marathon race.



Light APS aluminum frame with triple-butted tubes.

3D forged rockers and sealed bearings at all links.

SF01 XO	SF01 XT
APS Alloy (Rear Travel 120mm)	APS Alloy (Rear Travel 120mm)
Fox Float Performance FIT RL, 120mm, 15 QR	Fox Float Performance FIT RL, 120mm
Fox Float Performance, RP2 BV	Fox Float Performance, RP2 BSD
Sram XO	Shimano XT
Sram Elixir 9, Carbon, 180mm Rotor	Shimano XT, 180mm Rotor
Easton, EC70 XC, Low Rise	Scor MKII, Low Rise
Easton, EA70	Scor MKII
DT Swiss X1600	DT Swiss X1600
Brushed	Brushed





Tour fox

A reliable partner for tours with long ascents and descents. Like its big brother, the speedfox 02 boasts the outstanding combination of top suspension and low weight. Triple-butted aluminum tubes produce an optimum distribution of forces coupled with very low weight. The forged links made from high-strength aluminum produce high rigidity and reliable functioning.

APS advanced pivot system

iSC integrated skeleton concept

triple butted aluminum

natural born postmount

initial load indicator

120 mm full travel range





SF02 SLX/XT	SF02 Deore/SLX	SF02 XT/SLX
APS Alloy (Rear Travel 120mm)	APS Alloy (Rear Travel 120mm)	APS Alloy (Rear Travel 120mm)
Fox Float Evolution RL, 120mm	Rock Shox Recon Gold TK, 120mm	Fox Float Evolution RL, 120mm
Fox Evolution, RL	Scor, SHP200	Fox Performance, RP2 BSD
Shimano SLX/XT	Shimano Deore/SLX	Shimano XT/SLX
Avid Elixir 3, 180mm Rotor	Avid Elixir 1, 180mm Rotor	Avid Elixir 7, 180mm Rotor
Scor MKII, Low Rise	Scor MKIII, Low Rise	Scor MKII, Low Rise
Scor MKII	Scor MKIII	Scor MKII
Shimano/Alex XD-Comp	Shimano/Alex XD-Comp	Mavic Crossride
White	Black	Silver
Black		



swiss knives **versatile and precise**

Swiss trail technology. Born in Switzerland, the trailfox is the ultimate bike for challenging trail riding. The target when developing this bike has always been very clear to us – it needs to be like a Swiss army knife: versatile, easy to use, durable and lightweight.
BMC wants to develop that one bike that fits for long uphills, technical trails and demanding downhills. Consequently, we kept refining the frame design, geometry and suspension performance with each generation of the trailfox.







Videosession La Palma 2011, Tobi Woggon, Professional MTB Rider.

The Swiss army knife of mountain bikes

The ultimate bike for challenging single trails. During the development of this bike, we always kept our eye on the goal - it has to be like a Swiss army knife: versatile, easy to ride and light. We wanted a bike that is at home on long ascents, technical trails and challenging descents. Its geometry has been designed such that the rider assumes a central position, giving him perfect control.

01 Carbon protector for cables and down tube.

02 Double-butted head tube (1-⅛ to 1-½") provides for uncompromising stiffness, precision steering and secure handling.

03 Uncompromising – optimized rear swing arm with 12 mm thru axle and built-in brake cylinder fitting.

TF01 XTR

APS Carbon (Rear Travel 150mm)
Fox Talas Factory, FIT RLC, 150mm, 15QR, TS, Kashima
Fox Float Factory, RP23 BV XV
Shimano XTR
Shimano XTR, 180mm Rotor
Easton, Haven Carbon, Low Rise
Easton, Haven
Easton, Haven Carbon
White

APS advanced pivot system

iSC integrated skeleton concept

unidirectional pure carbon

natural born postmount

initial load indicator

150mm full travel range

01



02



03





trailfox TF01 trail series

TF01 XT	TF01 XO
APS Carbon (Rear Travel 150mm)	APS Carbon (Rear Travel 150mm)
Fox Talas Performance FIT RL, 150mm, 15QR, TS	Fox Talas Performance FIT RL, 150mm, 15QR, TS
Fox Float Performance, RP2 BV XV	Fox Float Performance, RP2 BV XV
Shimano XT	Sram XO
Shimano XT, 180mm Rotor	Sram XO, 180mm Rotor
Easton, Haven Carbon, Low Rise	Easton, Haven Carbon, Low Rise
Easton, Haven	Easton, Haven
DT Swiss M1800 Tubless	Easton, Haven
Naked	White
	Naked



APS advanced pivot system

iSC integrated skeleton concept

unidirectional pure carbon

natural born postmount

initial load indicator

150mm full travel range



Videosession La Palma 2011, Roger Rinderknecht, Vice-World Champion 4X.

Trailmaster

Whether for challenging descents, technical single trails or long, steep ascents, the bike feels at home everywhere and never lets the rider down. With 150 mm of spring travel, it is at home everywhere it goes. Aluminum is the chosen material here, so that it can be made available to a wider audience; it nevertheless also shares the positive descent and suspension properties of its big brother.

APS advanced pivot system

iSC integrated skeleton concept

triple butted aluminum

natural born postmount

initial load indicator

150 mm full travel range





TF02 XT	TF02 SLX/XT	TF02 XO
APS Alloy (Rear Travel 150mm)	APS Alloy (Rear Travel 150mm)	APS Alloy (Rear Travel 150mm)
Fox Talas Performance FIT RL, 150mm, 150QR, TS	Fox Talas Evolution RL, 150mm, 15 QR, TS	Fox Talas Performance FIT RL, 150mm, 150QR, TS
Fox Float Performance, RP2 BSD XV	Fox Float Performance, RP2 BSD XV	Fox Float Performance, RP2 BV XV
Shimano XT	Shimano SLX/XT	Sram XO
Shimano XT, 180mm Rotor	Avid Elixir 7, 180mm Rotor	Elixir 9, 180mm Rotor, carbon lever
Easton, Haven, Low Rise	Scor MKII, Low Rise	Easton, Haven, Low Rise
Easton, Haven	Scor MKII	Easton, Haven
DT Swiss M1800 tubless	Easton, Vice	Easton, Haven
Mango	Mango	Mango
	Petrol	Petrol





swiss traction
attacking trailspace

The new BMC 29er series does it the Swiss way. Precise in traction. The rolling resistance inspires to attack trailspace and it makes everything else appear so much smaller. And far behind.
Why a 29er? Because your riding style is fast. Because you prefer to gain ground with less rolling resistance. Because you go for road bike speed with mountain bike feeling. The Swiss Alps are the perfect territory for the big wheeled hardtails and fullies.





Tobi Woggon Professional MTB Rider and Balz Weber BMC Mountain Bike Team, on the trails from Piz Scalottas (2323m), Lenzerheide Switzerland.

29er hardtail

You are looking for the extraordinary, a fantastic performance and a distinctive design? The BMC 29er's geometry is the result of countless test rides. We passed through several prototype stages before settling on this as the optimum configuration. The short 430 mm chain stays combined with the optimum bottom bracket height and a 70° steering angle guarantee secure handling on trails.

Double-butted head tube for uncompromising stiffness, precision steering and secure handling.

iSC aluminum frame manufactured by hydroforming, with BMC custom 29er geometry.







TE29 SLX
iSC Alloy
Rock Shox Recon Gold 29 TK, 100mm, TS
Shimano SLX
Avid Elixir 3, 180mm Rotor
Scor MKII, Flat 720mm
Scor MKII
Shimano/Alex XD-Comp
White

TE29 X0
iSC Alloy
Fox Float 29er Factory FIT RLC, 100mm, 15QR, TS
Sram XO
Avid Elixir 7, Carbon 180mm Rotor
Scor MKII, Flat 720mm
Scor MKII
Easton, EA70 XCT 29er Tubeless
White

iSC integrated skeleton concept

triple butted aluminum

100 mm front travel range



29er full suspension

Sometimes it's difficult to put in words what you've experienced – sometimes it's better simply to savor the experience. With the frame made from high-grade aluminum and a wide range of technical details, we have built the speedfox 29er for riders who appreciate performance, quality and a distinctive design. Our high-traction APS suspension system combined with the larger tire contact area of the 29ers produces outstanding traction.

01 Double-butted head tube for uncompromising stiffness, precision steering and secure handling.

02 BMC custom 29er geometry.

03 APS suspension system for the ultimate in chassis performance.

SF29 XO

APS Alloy (Rear Travel 100mm)
Fox Float 29er Factory FIT RLC, 100mm, 15QR, TS
Fox Performance, RP2 BSD
Sram XO
Avid Elixir 7, Carbon 180mm Rotor
Scor MKII, Flat 720mm
Scor MKII
Easton, EA70 XCT 29er Tubeless
White

APS advanced pivot system

iSC integrated skeleton concept

triple butted aluminum

natural born postmount

initial load indicator

100 mm full travel range

01



02



03





APS advanced
pivot system

iSC integrated
skeleton concept

triple butted
aluminum

natural born
postmount

initial load
indicator

100 mm full
travel range



SF29 SLX

	APS Alloy (Rear Travel 100mm)
	Rock Shox Recon Gold 100mm
	Fox Evolution, RL
	Shimano SLX
	Avid Elixir 3, 180mm Rotor
	Scor MKII, Low Rise
	Scor MKII
	Shimano/Alex XD-Comp
	White



First experience

The ideal bike for beginners – for the first time off-road and onto forest paths and trails. The suspension fork has a 100 mm travel range for a quiet ride on the trail and the hydroformed aluminum frame in typical BMC quality provides for durability.

double butted aluminum

100mm front travel range



SE01 Deore/SLX

- Alloy
- Rock Shox XC32 TK Turnkey Lockout
- Shimano Deore/SLX
- Shimano 446, 160mm Rotor
- Scor, Low Rise
- Scor
- Shimano/Alex TD17
- Black

SE01 Alivio/Deore

- Alloy
- RST Blaze ML Lockout
- Shimano Alivio/Deore
- Shimano 446, 160mm Rotor
- Scor, Low Rise
- Scor
- Shimano/Alex X2100
- White

BMC quality for kids as well.

The first bicycle shouldn't just be fun, but reliable and user-friendly as well. We figure we owe the kids features such as reliable braking, a low stand-over height and cool design.

BL24

- Alloy
- RST Capa T24
- Shimano Acera
- Tektro V-brake
- Alex Z1000
- White

BL20

- Alloy
- RST Capa T20
- Shimano Acera
- Tektro V-brake
- Alex Z1000
- Black



double butted aluminum

50 mm front travel range



double butted aluminum

35 mm front travel range



not only
for swiss girls

A Swiss bike is not just for men or women. BMC doesn't develop bikes just for one part of the bike enthusiast population. Nevertheless, there are specific needs that need to match the requirements of female riders. The touch points of the bikes.





Sunrise near Lenzerheide, Switzerland, Bettina Kämpfer, BMC Sales Team.

Carbon expertise

The pure01 carbon frame ensures the best possible comfort and performance thanks to its aerodynamic design lines, the integration of key components, the Straightedge 048 SL TP fork manufactured completely out of carbon as well as the new airfoil carbon seatpost. For long-distance female riders for whom ride comfort, ergonomics and the bike's weight are key criteria.



iSC integrated
skeleton concept

unidirectional
pure carbon

tapered
steerer

airfoil
post

iSC carbon frame with integrated gear and brake cable routing

Aero seat tube with super-light BMC carbon seatpost.

PR01 Ultegra

iSC Carbon
BMC SE48 SL TP Carbon
Shimano Ultegra
Shimano Ultegra
Easton, EA30
Easton, EA70
DT Swiss R-1650 Tubeless
White
Shimano 105

Pure enjoyment

With the pure02, we appeal to new female racing riders and fitness-oriented female riders who are looking for reliability, ride comfort and a striking design The frame, manufactured from top-quality aluminum in a highly complex and intricate hydroforming process, and the BMC aluminum fork give the pure02 the best possible mix of efficiency and comfort.

iSC integrated
skeleton concept

triple butted
aluminum

PR02 105

iSC Alloy
BMC SE48 Alloy/Carbon
Shimano 105
Shimano R561
Easton, EA30
Easton, EA30
Shimano R-501
Aubergine
Shimano Tiagra



Velvet and silky

The entry-level model in the women's hardtail sector. With the velvet, we appeal to new female mountain bike riders and fitness-oriented female riders who are looking for ride comfort, a striking design and safety.



iSC integrated skeleton concept

triple butted aluminum

100mm front travel range



double butted aluminum

100mm front travel range

The lightweight

Outstanding ride qualities, perfect ergonomics and carefully selected, low-maintenance components are a prerequisite for sheer cycling fun. Triple-butted aluminum tubes produce an optimum distribution of forces coupled with very low weight. The forged links made from high-strength aluminum produce high rigidity and reliable functioning.

Beautiful APS aluminum frame manufactured by hydroforming. The forged links made from high-strength aluminum produce high rigidity and reliable functioning.

APS advanced pivot system

iSC integrated skeleton concept

triple butted aluminum

natural born postmount

initial load indicator

120mm full travel range





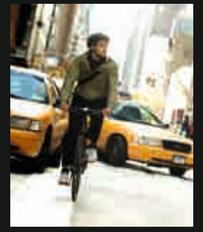


SH01 SLX/XT

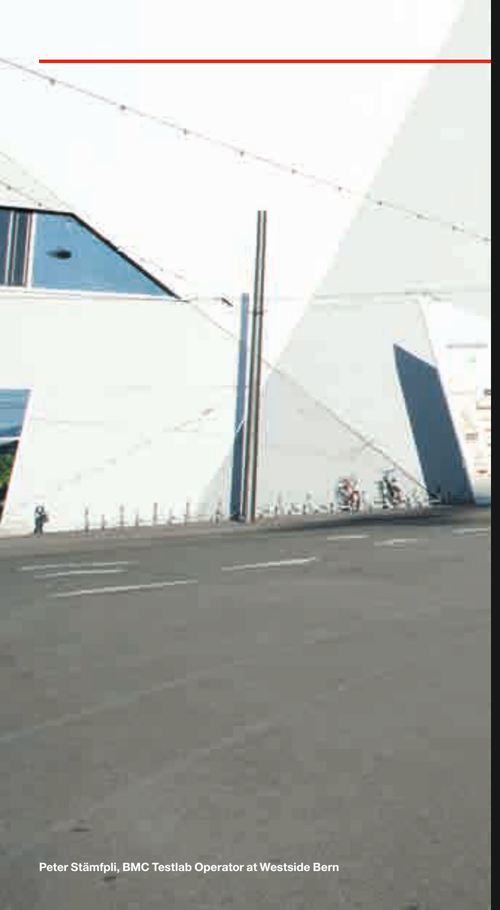
APS Alloy (Rear Travel 120mm)
Fox Float Evolution RL, 120mm
Fox Evolution, RL
Shimano SLX/XT
Avid Elixir 3, 180mm Rotor
Scor MKII, Low Rise
Scor MKII
Alex XD-Comp
White

swiss ways
go urban

Swiss ways do not only go up and down. Riding in city traffic with narrow lanes requires a confident riding style that demands easy handling, fast acceleration and low maintenance. Focus on the traffic, not the bike. After the legendary alpenchallenge, BMC now introduces the urbanchallenge, the challenger that brings urban cycling to a new level. The BMC challenge series is rounded out with the all new streamer series that offers bikes for all recreational riding.







Peter Stämfpli, BMC Testlab Operator at Westside Bern



The original

The alpenchallenge offers a unique geometry, a rather more upright seated position and the optimum combination of stability, light weight and agility. Gear and brake cable housing that is perfectly integrated into the shape of the frame guarantees a neat and tidy look.

The alpenchallenge is available in two alternative wheel sizes: the 700C wheelset guarantees smooth running while the 26" wheelset delivers maneuverability and high rates of acceleration.

Gear cables and brake cable for the rear-wheel brake integrated attractively into the down tube.

Brake cylinder for the rear-wheel brake attractively integrated into the frame design.

iSC integrated skeleton concept

triple butted aluminum

disc brake dropouts











AC01 Rival	AC01 Alivio/Deore	AC01 Deore/SLX	AC01 105/Tiagra
iSC Alloy	iSC Alloy	iSC Alloy	iSC Alloy
alpenchallenge disc concept Carbon	alpenchallenge disc concept Alloy	alpenchallenge disc concept Alloy	alpenchallenge disc concept Carbon
Sram Rival	Shimano Alivio/Deore	Shimano Deore/SLX	Shimano 105/Tiagra
Avid Elixir 5, 160mm Rotor	Shimano M445/M446, 160mm Rotor	Shimano M505/M446, 160mm Rotor	Shimano M505/M446, 160mm Rotor
Scor MKI Urban, Carbon	Scor MKIII Urban	Scor MKIII Urban	Scor MKII Urban
Scor MKI Urban	Scor MKIII Urban	Scor MKIII Urban	Scor MKII Urban
Shimano/Alex XD Pro	Shimano/Alex XD Lite	Shimano/Alex XD Lite	Shimano/Alex XD Lite
Black (700c only)	Black (700c or 26")	Brown (700c or 26")	Yellow (700c only)
			Black (700c or 26")



Gates Carbon Drive System

Our new urbanchallenge bikes are sporty, reliable and suitable for everyday use – the perfect tool for commuting, getting about the city or a leisure ride – attractive, fast and light. The Gates Carbon Drive System runs silently, needs no maintenance and is incredibly efficient. The frame can be divided at the seat stay, for ease of fitting/removing the belt. We have used an eccentric bottom bracket/inner bearing to avoid the need for an external chain take-up; this arrangement allows the Gates Carbon Drive System to be perfectly tensioned.

Schaltzüge und Bremsleitung für die Hinterradbremse formschön in das Unterrohr integriert.

Formschön im Rahmendesign integrierter Bremszylinder für die Hinterradbremse.

iSC integrated skeleton concept

triple butted aluminum

disc brake dropouts

UC01 Alfine 11	UC01 Free & Fix	UC01 Alfine 8	UC01 Inter 3
iSC Alloy	iSC Alloy	iSC Alloy	iSC Alloy
urbanchallenge disc concept carbon	urbanchallenge disc concept alloy	urbanchallenge disc concept Alloy	urbanchallenge disc concept Alloy
Shimano Alfine 11	Affix Free&Fix Single-Speed	Shimano Alfine 8	Shimano Inter 3
Shimano Alfine S502/S501, 160mm Rotor	Shimano M505/M446, 160mm Rotor	Shimano M505/M446, 160mm Rotor	Shimano T445/M446, 160mm Rotor
Scor MKI Urban, Carbon	Scor MKIII Urban	Scor MKII Urban	Scor MKII Urban
Scor MKI Urban	Scor MKIII Urban	Scor MKII Urban	Scor MKIII Urban
DT Swiss 445d	Affix/Alex XD Lite	Shimano/Alex XD Lite	Shimano/Alex XD Lite
Black (26" only)	Black (700c only)	Silver (700c or 26")	Silver (700c or 26")













Inspired by the BMC Racing Team

We developed the MC01 to explore how lightweight a bicycle we could build from the challenge frame. Testing followed the team's Spring schedule to Flanders, Roubaix, Italy and Ticino. We not only built a reliable, everyday bike that approaches the UCI's 6.8kg weight limit, but also applied results from this project to the alpenchallenge and urbanchallenge models.

Schaltzüge und Bremsleitung für die Hinterradbremse formschön in das Unterrohr integriert.

Formschön im Rahmendesign integrierter Bremszylinder für die Hinterradbremse.

iSC integrated
skeleton concept

triple butted
aluminum

disc brake
dropouts







MC01 Team Spec

	iSC Alloy
	masschallenge disc concept Carbon
	Shimano XT, with Gates CenterTrack
	Shimano XT, 160mm Rotor
	Easton, EC90 XC flat bar
	Easton, EC90 SL
	Easton, EC90 XC 29
	Black Anodized (700c only)

Aline Dittrich, BMC Marketing & Christa Zweili, BMC Export/Sales at Schwellenmätteli Bern.

swiss stream
let it flow

Just take a deep breath. Switch off and chill, that's what bike riding is all about, after all. The joy of just getting on and taking off, somewhere!
The great thing about cycling is that you can cover longer distances than if you were walking. So you take in more of what nature has to offer. That's a real pay-off, especially here in Switzerland. At this pace, you can take a diversion at any time – ultimately, you can just look at the mountains instead of conquering them.



The allrounder

A sporty, highly versatile cross bike. The components selected to reflect its use, such as easily operated suspension forks that can be adjusted to match the rider's weight, disk brakes with precision brake applications and dependable stability, and high-traction tires, are the distinguishing features of the crossstreamer, with its wide range of uses.

triple butted
aluminum





XS01 Deore/XT	**XS01 Alivio/Deore** (Men)	**XS01 Alivio/Deore** (Lady)
Alloy	Alloy	Alloy
Suntour NRX D LO, 63mm, hydraulic lockout	Suntour NCX D MLO, 63mm, mechanical lockout	Suntour NCX D MLO, 63mm, mechanical lockout
Shimano Deore/XT	Shimano Alivio/Deore	Shimano Alivio/Deore
Shimano M505/M446, 160mm Rotor	Shimano M445/M446, 160mm Rotor	Shimano M445/M446, 160mm Rotor
Scor MKIII Urban	Scor MKIII Urban	Scor MKIII Urban
Scor MKIII Urban	Scor MKIII Urban	Scor MKIII Urban
Shimano/Alex XD Comp	Shimano/Alex XD Comp	Shimano/Alex XD Comp
Grey (700c/Men only)	Black (700c)	White (700c)



Chic and sporty

Synonymous with style and speed; light – fast – sporty; outstandingly efficient, with weight-oriented, sturdy configuration. The lightstreamer bikes are the perfect commuting bikes for all those who also want to introduce a sporty challenge into everyday life.

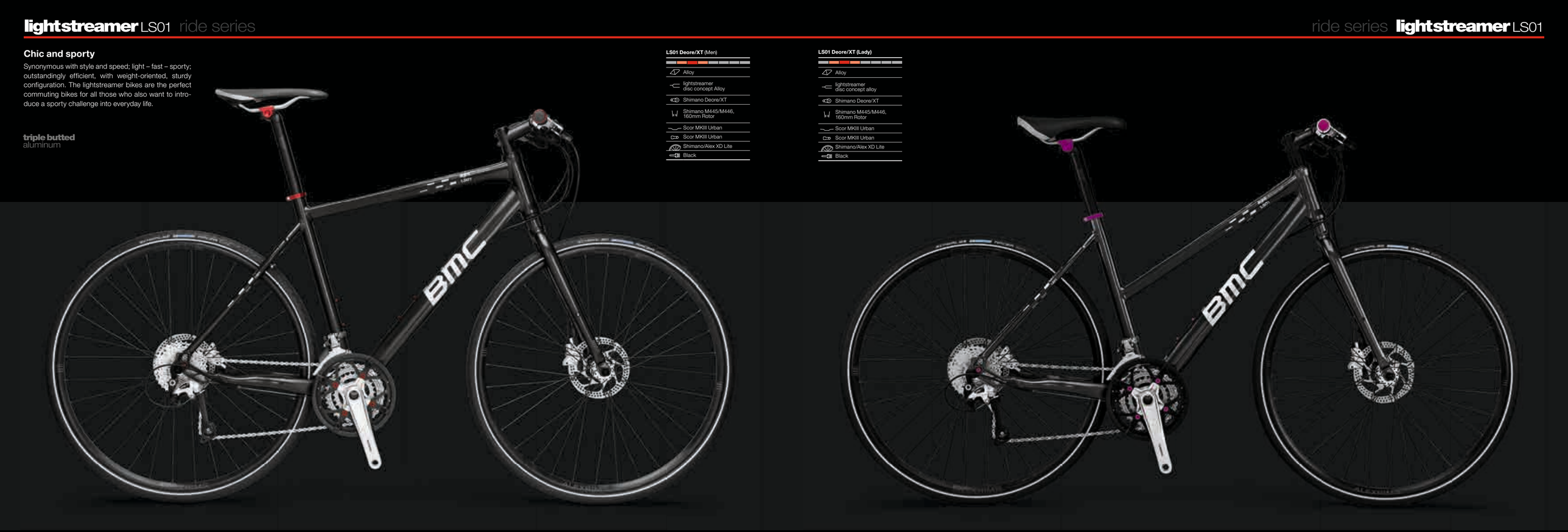
triple butted
aluminum

LS01 Deore/XT (Men)

Alloy
lightstreamer disc concept Alloy
Shimano Deore/XT
Shimano M445/M446, 160mm Rotor
Scor MKIII Urban
Scor MKIII Urban
Shimano/Alex XD Lite
Black

LS01 Deore/XT (Lady)

Alloy
lightstreamer disc concept alloy
Shimano Deore/XT
Shimano M445/M446, 160mm Rotor
Scor MKIII Urban
Scor MKIII Urban
Shimano/Alex XD Lite
Black



Fully equipped

Balanced ride qualities, high safety and low-maintenance, pioneering components are a given. We fit the citystreamer models with the new, multifunctional aluminum frame, high-grade SCOR parts, special fenders tailored to the citystreamer concept and top-quality lights from Busch & Müller with standing light function.

triple butted
aluminum









CS01 XT (Lady)
Alloy
citystreamer disc concept Alloy
Shimano XT
Shimano XT, 160mm Rotor
Scor MKII City
Scor MKII Adjustable
Shimano/DT Swiss 485d
Black

CS01 XT (Men)
Alloy
citystreamer disc concept Alloy
Shimano XT
Shimano XT, 160mm Rotor
Scor MKII City
Scor MKII Adjustable
Shimano/DT Swiss 485d
Black

CS01 Alivio/Deore (Men)
Alloy
citystreamer disc concept Alloy
Shimano Alivio/Deore
Shimano T445/M446, 160mm Rotor
Scor MKII City
Scor MKII Adjustable
Shimano/Alex XD Lite
Red

CS01 Alivio/Deore (Lady)
Alloy
citystreamer disc concept Alloy
Shimano Alivio/Deore
Shimano T445/M446, 160mm Rotor
Scor MKII City
Scor MKII Adjustable
Shimano/Alex XD Lite
Red

glossary

advanced pivot system – APS
Suspension system that ensures comfort, unsurpassed traction and efficient power transmission in any biking situation.

aero hinge fork
Hinge instead of head tube: The fork shaft tube forms an aerodynamic nose and is no longer guided through the swivel head.

airfoil post
Aerodynamically effective, the specially developed airfoil seatpost.

BB30 interface
With these cranks, the bearings are pressed directly into the frame. The diameter of the axle is 30 mm. The advantages of a BB30 crankset are greater stiffness with a lower total weight.

BB86 interface
With these cranks, the bearings are pressed directly into the frame. The advantages of a BB86 crankset are greater frame stiffness with a lower total weight.

carbon dropout
Carbon dropouts seamlessly integrated into the frame. Lighter and stiffer than those made of aluminum.

double butted aluminum
Aluminum tubes with 2 different wall thicknesses.

dual transmission integration
New, progressive cable routing that is compatible with traditional mechanical gear cables and with the electronic D12 shifter from Shimano

ESi – Electronic Shifting Integration
New, specific cable routing for perfect harmony with the electronic Di2 drivetrain from Shimano.

full travel range
Specification of the travel range in millimeters on full-suspension mountain bikes.

front travel range
Specification of the front travel range in millimeters on hardtails (mountain bikes with front suspension only).

initial load indicator
Used for the best possible adjustment of the sag, can be easily checked when getting on and adjusted where necessary.

iSC – integrated skeleton concept
Tube junctions perfectly tailored to the distribution of forces. Cleverly selected skeletal reinforcement elements at the nodal points and the spread of the top tube distribute the impacting forces perfectly.

LSW – load specific weave
Industrially produced carbon frame tubes, woven seamlessly, with a perfect fit and optimized for the load it will bear.

natural born postmount
Direct assembly of the brake cylinder at the frame without adapter.

p2p - position to perform
The best "position to perform" derives from the maximum adjustability using the stem, the handlebar and the saddle position.
- Tri angle concept allows the stem to be adjusted in 30 different ways.
- 21_21 Offset concept is supplemented by a further feature that enables the saddle position to be adjusted to extreme requirements: 21 mm forward and 21 mm back.

SNC – shell node concept
Frame joints made of two high-strength half-shells. Material – combination of thermoplastic with a large proportion of carbon fibers.

subA – maximization of the aerodynamics
subA refers to the maximization of the aerodynamics by minimizing the frontal area of the bike. This is generated by three core features: (see page 44/45).

tapered steerer
Tapered head tube - with a minimum increase in weight, a disproportionately higher fork thickness results.

TCC – tuned compliance concept
With a neat combination of different carbon fibers and their alignment, and by applying stepped tube profiles, we achieve increased vertical compliance while maintaining high levels of lateral and torsional stiffness. (see page 14).

triple butted aluminum
Triple-butted tube set made of a 6000 alloy. Triple-butted means that the tube has three different wall thicknesses.

unidirectional carbon
Throughout, we avoid using the traditional carbon optic. Using only carefully aligned unidirectional fibers makes for even more accurately defined rigidity distribution.

Impressum

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www.bissig.ch

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FSC www.fsc.org MIX Paper from responsible sources FSC® C007089

bmc clothing line and the rest of our universe under:

www.bmc-racing.com







Specifications

[SWA] Swiss Assembly

In our direct markets in Switzerland, Germany, Austria, France, Spain and Italy, we offer a modular system for certain products. A range of selected components is available to you. Your dreambike is then assembled in our factory in Switzerland according to your request and provided ready-to-ride.

Prices, components, and specifications are subject to change without notice.

Name Color
Riding Style
Frame
Fork
Rear Shock
Drivetrain
Brakes
Handlebar
Stem
Wheelset
Wheelset Option [SWA]
Colors
Different Options
[SWA] Swiss Assembly

EN 2012

swiss cycling technology

EN 2012

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