



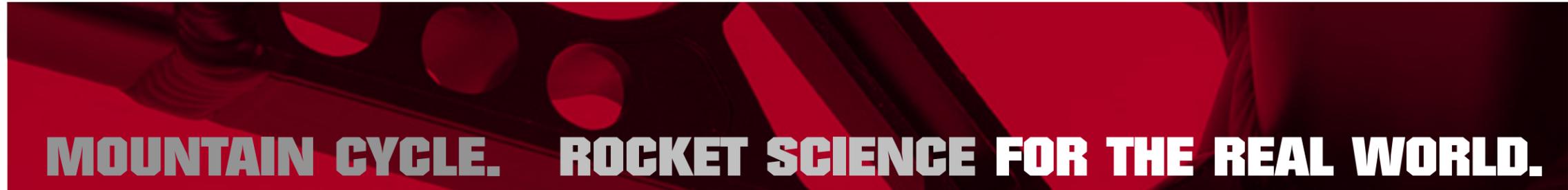
MOUNTAIN CYCLE PRODUCT GUIDE 2004



Our engineers built the first Mountain Cycle monocoque frame in 1989. The latest frame was welded at our headquarters in Portland, Oregon, a couple days ago. Between then and now, about 10,000 lucky all-terrain addicts have lived and loved the kind of riding the rest of the world can only dream of: challenging all-terrain adventures for which Mountain Cycle bicycles are famous.

Mountain Cycle bikes and frames can survive these kinds of adventures because of our obsessive, relentless pursuit of engineering excellence. You name it—pivot locations, monocoque wall thicknesses, tubing shapes and sizes, material properties, machining tolerances, welding sequences and building fixtures—we scrutinize, analyze and optimize every detail to make sure our frames are the best-built and best-handling bikes in the world. After assembly and heat treatment, we face our head tubes and thread our bottom brackets on purpose-built machines to ensure perfect alignment and ease of assembly. Then we apply tough, protective, glossy powdercoat or anodized finishes for durability and lasting beauty.

Mountain Cycle bikes like the now legendary ShockWave 9point5 validate our monocoque design philosophy by continuing to advance what's possible on a full-suspension MTB. Brand-new Mountain Cycle frames like the Sin and Fury will change freeriding forever by infusing our aerospace engineering and fabrication technologies with a mega dose of adrenaline. Aboard bikes like the all-new Mountain Cycle Zen and Rumble S/1, aggressive cyclists will take cross-country expeditions and urban assault riding to the next level. And now, thanks to Mountain Cycle bicycles like the all-new Virtue and Stumptown, even disciples of the road and cyclocross scenes can enjoy riding closer to the edge. That's because at Mountain Cycle, nothing we build is conservative. One ride and you'll know what we mean...



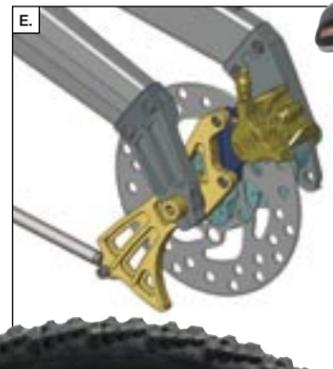
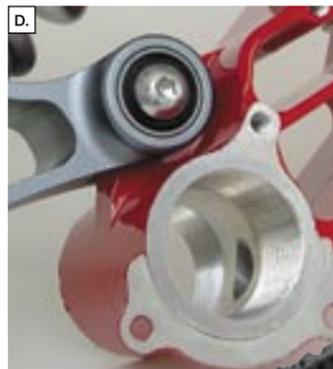
MOUNTAIN CYCLE VERSATILITY INDEX

Model	ROAD	URBAN	XC	ALL-MOUNTAIN	FREERIDE	DOWNHILL
ShockWave 9.5						████████████████████
Sin					████████████████████	
San Andreas			████████████████████	████████████████████	████████████████████	
Fury			████████████████████	████████████████████	████████████████████	
Zen			████████████████████	████████████████████		
SLiX			████████████████████	████████████████████		
Rumble S/1		████████████████████	████████████████████		████████████████████	
Rumble		████████████████████	████████████████████		████████████████████	
Stumptown	████████████████████		████████████████████			
Virtue	████████████████████					





Our flagship downhill machine for racing and extreme freeriding. Since we spare no expense in its construction, The ShockWave 9point5's lofty position among world-class downhill weapons is virtually assured. According to the editors at *Mountain Biking* magazine, the ShockWave 9point5 is "Simply one of the most dialed, fun-to-ride downhill/extreme freeride bikes that we've had for testing."



A. REACTIVE LINK SYSTEM 2

Our exclusive RLS 2 suspension engineering starts on a linear path—excellent for absorbing stutter bumps and small hits—and ramps up progressively at the top of the stroke for maximum shock-absorbing capability over big hits and gnarly dropoffs.

B. STEERER STOP

This billet aluminum component prohibits the fork stanchions and triple clamp from denting the aluminum skin on ShockWave 9point5's monocoque main frame.

C. DROPOUTS

Two dropout styles are available for the ShockWave 9point5: 12mm through axle (standard, included but not shown) and 10mm quick-release (optional).

D. SWINGARM PIVOT/BB ASSEMBLY

Thanks to its one-piece forged and CNC-machined aluminum swingarm pivot/BB assembly, the ShockWave 9point5 boasts ideal balance, exceptional stiffness and a low center of gravity. Note built-in International Standard Chain Guide mounts.

E. OPTIONAL FLOATING DISK BRAKE MOUNT

Takes flawless braking to the next level. Eliminates brake-jack for precise and predictable rear wheel travel under braking loads.



MOUNTAIN CYCLE VERSATILITY INDEX

Model	ROAD	URBAN	XC	ALL-MOUNTAIN	FREERIDE	DOWNHILL
ShockWave 9.5						



FULL MONOCOQUE DESIGN

HYDROFORMED AND INTERNALLY MACHINED HEAD TUBE

CONTINUOUS CABLE ROUTING

INTEGRATED STEERER STOP

CNC-MACHINED SWINGARM LINKAGE, FRAME AND DROPOUT COMPONENTS

HIGH-PERFORMANCE SEALED CARTRIDGE BEARINGS THROUGHOUT

WIDELY SPACED MAIN PIVOT BEARINGS FOR A SUPER-RIGID SWINGARM CONNECTION

FORGED, INTEGRATED BB/SWINGARM PIVOT ASSEMBLY

MOTOCROSS-INSPIRED REACTIVE LINK SYSTEM 2

9.5 INCHES OF VARIABLE-RATE TRAVEL WITH PROGRESSIVE 5TH ELEMENT SHOCK

OPTIONAL FLOATING DISK BRAKE MOUNT AVAILABLE

OPTIONAL DROPOUTS FOR THRUAXLE OR QUICK-RELEASE WHEELS

HIGH-PERFORMANCE COMPONENT KITS AVAILABLE
VISIT WWW.MOUNTAINCYCLE.COM FOR WEIGHTS AND DETAILS



This Mountain Cycle is the ultimate Sin for hard-core freeriding and aggressive all-terrain excursions. Built and bred from it's big brother, the ShockWave 9point5, the Sin has been tweaked and optimized for use in the tight confines of the world's best stunt-filled trails. Thanks to its deep downhill roots, the all-new Sin boasts important features like our optimized pivot location for stable pedaling and 5th Element shock for super-plush suspension. The Sin's shorter chainstays and steeper head tube angle provide responsive handling and quicker maneuverability. We've also incorporated a front derailleur mount so you can pedal the Sin back to the top of the hill with speed and ease.

MOUNTAIN CYCLE VERSATILITY INDEX

Model	ROAD	URBAN	XC	ALL-MOUNTAIN	FREERIDE	DOWNHILL
Sin						



A. FULL MONOCOQUE DESIGN

Complete Monocoque design for maximum strength and precision handling.

B. BOTTOM BRACKET/PIVOT ASSEMBLY

The Sin's BB assembly starts life as a super-strong forged aluminum component before undergoing CNC machining for precision bore locations and lightness. Built-in ISCG mounts are standard.

C. SHOCK OPTIONS

Standard issue with the proven Fox Vanilla RC, or easily upgraded to the Progressive 5th Element for the ultimate in tuning capability.



FULL MONOCOQUE CONSTRUCTION

VANILLA RC OR PROGRESSIVE 5TH ELEMENT SHOCK

HYDROFORMED AND INTERNALLY MACHINED HEAD TUBE

HIGH-PERFORMANCE SEALED CARTRIDGE BEARINGS

INTEGRATED STEERER STOP

WIDELY SPACED MAIN PIVOT BEARINGS FOR A SUPER-RIGID SWINGARM CONNECTION

7.5 INCHES OF PLUSH ACTIVE TRAVEL

HIGH-PERFORMANCE COMPONENT KITS AVAILABLE VISIT WWW.MOUNTAINCYCLE.COM FOR WEIGHTS AND DETAILS



The most versatile all-mountain high-performance frame in the Mountain Cycle line. The legendary San Andreas is the bike that started it all. Twelve years after its introduction, this classic design is optimized, refined, and in high demand. The San Andreas can be built up as a lightweight yet extremely durable 4.5-inch travel XC bike, or as an all-mountain machine with six inches of wheel travel.

A. ADJUSTABLE GEOMETRY

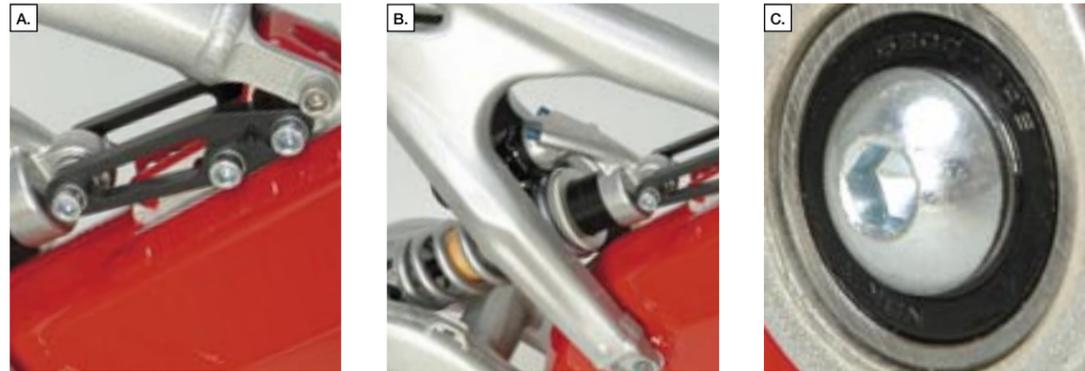
The Variable Position System facilitates custom geometry settings and allows for either 4.5 or 6 inches of travel with one of several optional shocks.

B. MONOCOQUE SUBFRAME

We offer standard and small subframes. Both sizes can be installed in two positions to fine-tune your cockpit positioning.

C. SWINGARM PIVOT BEARINGS

The San Andreas features beautifully machined aluminum swingarm components and easy-to-service sealed cartridge pivot bearings.



MOUNTAIN CYCLE VERSATILITY INDEX

Model	ROAD	URBAN	XC	ALL-MOUNTAIN	FREERIDE	DOWNHILL
San Andreas						

Stable, strong, light and fast, the 2004 Fury is yet another Mountain Cycle that does it all without compromise. With its carefully calculated pivot location, the all-new Fury has a ride that hammers the climbs and leads the way on the downhills. Designed for use with either a 4-inch or 5-inch travel fork, the Fury is equally at home on epic trail rides or tearing up the MountainCross course.

A. SEALED CARTRIDGE BEARING

Fury's main swingarm pivot features low-maintenance, super-smooth oversized sealed cartridge bearings.

B. MONOCOQUE GUSSETS

Monocoque gussets are employed at the head tube and seat tube junctions for maximum stiffness and strength.

C. PROGRESSIVE 5TH ELEMENT SHOCK

The Fury is available with a Progressive 5th Element Shock in your choice of air or coil spring. Other shock options are also available.



HIGH-PERFORMANCE COMPONENT KITS AVAILABLE
VISIT WWW.MOUNTAINCYCLE.COM
FOR WEIGHTS AND DETAILS



MOUNTAIN CYCLE VERSATILITY INDEX

Model	ROAD	URBAN	XC	ALL-MOUNTAIN	FREERIDE	DOWNHILL
Fury						

The all-new Zen is designed for marathon, XC racing, and epic all-day trail excursions. With its intelligently located main pivot, Reactive Link-S suspension engineering and Progressive 5th Element shock, Zen delivers the perfect balance of supple, bump-eating suspension with the kind of stable pedaling its name suggests. Thanks to its optimally matched swingarm and Reactive Link-S travel arcs, the Zen's seatstays act as a living hinge, thus eliminating the need for heavy and flexible pivots at the dropouts. The Reactive Link-S also serves the dual purpose of triangulating the swingarm structure to provide a laterally rigid rear end.

A. REACTIVE LINK-S

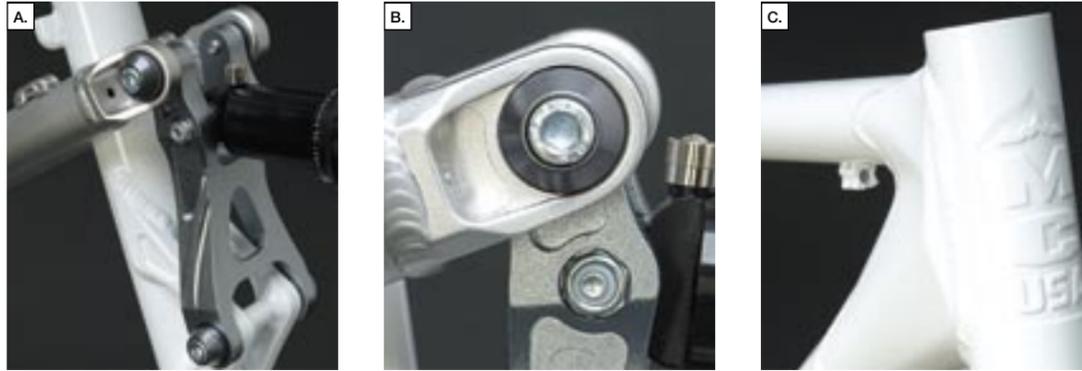
Our exclusive Reactive Link-S swingarm provides superior lateral rigidity without compromising suspension activity or compliance. Progressive 5th Element Air shock comes standard.

B. SEALED CARTRIDGE BEARINGS

High-performance sealed cartridge bearings require minimal maintenance and provide smooth travel.

C. MONOCOQUE GUSSETS

Lightweight yet extremely strong and stiff monocoque gussets give the all-new Zen an incredibly fast, solid ride.



MOUNTAIN CYCLE VERSATILITY INDEX

Model	ROAD	URBAN	XC	ALL-MOUNTAIN	FREERIDE	DOWNHILL
Zen						

The SLiX combines the strength of our monocoque/tube chassis construction with our fully active linkage suspension design to deliver the ultimate ride for extended cross-country excursions and light-duty freeriding.



A. ROCKER LINK SUSPENSION

This year's SLiX features our proven rocker link suspension design. Our system compiles carefully tuned leverage and shock-mounting points to remain active under braking and pedaling forces for a controlled, supple ride.

B. MONOCOQUE HEAD TUBE

Much of the SLiX's beauty and nearly all of its incredible strength emanates from its proven monocoque head tube and seat cluster gusseting.

C. 3-IN-1 CABLE GUIDES

Our innovative cable guides facilitate quick assembly and easy maintenance.

HIGH-PERFORMANCE COMPONENT KITS AVAILABLE VISIT WWW.MOUNTAINCYCLE.COM FOR WEIGHTS AND DETAILS



MOUNTAIN CYCLE VERSATILITY INDEX

Model	ROAD	URBAN	XC	ALL-MOUNTAIN	FREERIDE	DOWNHILL
SLiX						

This year there are two Mountain Cycle Rumbles: The original Rumble and the all-new Rumble S/1 single-speed. The Rumble S/1 features horizontal dropouts with built-in chain tensioners and innovative disk brake mounts that allow full wheel adjustment without removing the brake to fix a flat. Both versions of the 2004 Rumble will accommodate oversized 24-inch disk brake or 26-inch wheel combinations. With our stylish monocoque gussets reinforcing all the key areas, both frames are light yet extremely tough. Of course, they feature our aggressive geometry that allows you to raise the seat to full pedaling height to go through the woods, over the loading dock and past grandma's house to the local trail jumps.

MOUNTAIN CYCLE VERSATILITY INDEX

Model	ROAD	URBAN	XC	ALL-MOUNTAIN	FREERIDE	DOWNHILL
Rumble S/1						
Rumble						



A. RUMBLE S/1 SINGLESPEED DROPOUT

The all-new Rumble S/1 features horizontal dropouts with integrated chain tensioners. Dropout spacing is 135mm to accommodate modern single-speed hubs.

B. MONOCOQUE GUSSETS

Both versions of this year's new and improved Rumble feature our hydroformed monocoque head tube gusset with raised logo and lettering.

C. MACHINED CHAINSTAY YOKE

The Rumble and Rumble S/1 feature a chainstay yoke designed for maximum strength and tire clearance.



HYDROFORMED AND INTERNALLY MACHINED HEAD TUBE

TUBE AND MONOCOQUE GUSSET FRAME DESIGN

FULL-LENGTH CABLE HOUSING GUIDES

FORGED AND CNC-MACHINED DROPOUTS

HIGH-PERFORMANCE COMPONENT KITS AVAILABLE
VISIT WWW.MOUNTAINCYCLE.COM FOR WEIGHTS AND DETAILS



The all-new Mountain Cycle Stumptown cyclocross frame features our SoftTail Traction System. This patented design has lateral stiffness for maximum pedaling efficiency yet remains vertically compliant to absorb bumps on harsh roads and trails. Clearance and mounts for fenders means this bike can not only be raced, but also set up for daily commuting, errands and go-anywhere transportation.

A. STS YOKE DESIGN

The SoftTail Traction System yoke is engineered to absorb shock vertically without sacrificing lateral stiffness under heavy pedaling forces.

B. INTEGRATED DISK BRAKE MOUNT

The Stumptown's custom machined dropouts feature a disk brake mount and a replaceable derailleur hanger.

C. MACHINED CHAINSTAY YOKE

Our unique chainstay yoke provides ample tire and chainring clearance in all conditions. This design also creates a super-stiff pedaling platform for sprinting and climbing.



MOUNTAIN CYCLE VERSATILITY INDEX

Model	ROAD	URBAN	XC	ALL-MOUNTAIN	FREERIDE	DOWNHILL
Stumptown						

Thanks to its full Easton tube set, the all-new Virtue is built light for climbing and stiff for sprinting but comfortable enough to ride all day. Other features include carbon seatstays and a superbly engineered frame geometry. You might be asking how a road bike can have the name "Mountain Cycle" on the down tube. Everyone knows that the Tour de France is won in the mountains. One ride down a twisty 50mph descent or an elbow-banging finish line sprint and you'll realize this Mountain Cycle has what it takes to live up to its name.

A. CARBON FIBER SEATSTAYS

Our lightweight yet extremely rugged road machine features carbon fiber chainstays from Easton. These stays are engineered for maximum lateral stiffness for pedaling efficiency, but with enough vertical compliance to absorb shock and soften the ride.

B. CUSTOM EASTON TUBING

Like every high-performance bike in this year's Mountain Cycle arsenal, the all-new Virtue is handcrafted using the finest materials and technologies available. Our latest road bike features full Easton tubing and a 1-1/8-inch head tube for lightness and reliability.



MOUNTAIN CYCLE VERSATILITY INDEX

Model	ROAD	URBAN	XC	ALL-MOUNTAIN	FREERIDE	DOWNHILL
Virtue						

MODEL	H/T ANGLE	S/T ANGLE	T/T LENGTH	WHEELBASE	CHAINSTAY LENGTH	BB HEIGHT	STANDOVER	H/T LENGTH	BB WIDTH	DER. MOUNT O.D.	SEAT POST O.D.
SHOCKWAVE 9.5											
S	67°	58°	22"	44"	17.5"	15.5"	30.1"	5.25"	73 mm	N/A	31.6mm
M	67°	58°	23"	45"	17.5"	15.5"	30.1"	5.25"	73 mm		
L	67°	58°	24"	46"	17.5"	15.5"	30.1"	5.25"	73 mm		
SIN											
Sml	68°	65°	22.2	43.2	17"	14.75	30.5	5.1	73	31.8mm	31.6mm
Med	68°	65°	23.2	44.2	17"	14.75	30.5	5.1	73	Top swing	
Lrg	68°	65°	24.2	45.2	17"	14.75	31	5.1	73	bottom pull	
SAN ANDREAS											
S	68 - 70°	68.4 - 76.3°	20.9"	42.2 - 43.5"	16.25 - 16.5"	13 - 15.5"	27"	5.0"	73	31.8mm	31.6mm
Std	68 - 70°	68.4 - 76.3°	23"	43.1"	16.25 - 16.5"	13 - 15.5"	28"	5.0"	73	Traditional bottom pull	
FURY											
S	70°	67°	19.3 / 22	41.57"	16.5"	13.5"	30"	5.4"	73 mm	31.8mm	31.6mm
M	70°	67°	20.5 / 23	42.57"	16.5"	13.5"	30.6"	5.4"	73 mm	Top swing	
L	70°	67°	21.9 / 24	43.57"	16.5"	13.5"	31.3"	5.4"	73 mm	bottom pull	
SLIX											
XS (14")	70.5°	73°	21.5"	40.8"	16.875"	12.5"	29.1"	4"	73 mm	34.9mm	30.9mm
S (16")	71°	73°	22.6"	41.6"	16.875"	12.5"	30.1"	5"	73 mm	Top swing	
M (18")	71°	73°	23.2"	42.33"	16.875"	12.5"	30.6"	5"	73 mm	top pull	
ZEN											
S (16")	71°	73.5°	22.3"	41.6"	16.875"	12.5"	30.1"	5"	73 mm	34.9mm	30.9mm
M (18")	71°	73.5°	23"	42.33"	16.875"	12.5"	30.6"	5"	73 mm	Traditional	
L (20")	71.5°	73.5°	23.8"	42.93"	16.875"	12.5"	31.5"	5.5"	73 mm	top pull	
RUMBLE											
S (16")	70°	73°	22"	41.1"	16.5"	12.5"	26"	5.4"	73 mm	34.9mm	30.9mm
M (18")	70°	73°	23"	42.1"	16.5"	12.5"	27"	5.4"	73 mm	Traditional top pull or	
L (20")	70°	73°	24"	43.1"	16.5"	12.5"	28"	5.4"	73 mm	top swing top pull	
STUMPTOWN											
50cm	71.5°	74°	520mm	993mm	425mm	62.5mm (drop)	771mm	100mm	68mm	31.8mm	27.2mm
53cm	72°	73°	540mm	998mm	425mm	62.5mm (drop)	796mm	120mm	68mm	Road or mountain;	
56cm	72°	73°	560mm	1018mm	425mm	62.5mm (drop)	804mm	130mm	68mm	top or bottom pull	
59cm	72.5°	73°	580mm	1033mm	425mm	62.5mm (drop)	833mm	150mm	68mm		
61cm	72.5°	72.5°	600mm	1048mm	425mm	62.5mm (drop)	851mm	165mm	68mm		
VIRTUE											
53cm	72.5°	73.5°	540	971.5mm	410mm	70mm (drop)	754mm	120mm	68mm	31.8mm	27.2mm
56cm	73°	73°	565	989.5mm	410mm	70mm (drop)	784mm	150mm	68mm	Traditional	
59cm	73.5°	73°	585	1002.7mm	410mm	70mm (drop)	810mm	180mm	68mm	bottom pull	



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