



MERLIN 2009



How do you define obsession?

*Excessive amounts of time
spent doing something
you love with others that
share that passion.*

MER

At Merlin that's how we define obsession. Everyone can recall those moments that are purely unforgettable. Whether it be traveling to an exotic destination, or simply a day on your favorite ride, there's an essence captured in that moment. To us, it's an obsession. We felt it was only fair to share that experience, so we choose to create our bikes with the ability to provide cyclists with a taste of our obsession.

After twenty years of designing and building bicycles, we are more passionate than ever about our quest to create the perfect ride. While some say we still do things the hard way, at Merlin we believe it's the right way. There are no shortcuts for a Merlin. We enjoy the time spent on the details required to manufacture the world's best titanium frames. We do it the way we always have, one at a time, each by hand. Our obsession is evident in every step of the frame design and construction. We start with the perfect frame building material, titanium.

LIN

But, it's not enough that titanium has inherent strength-to-weight performance and corrosion resistance. Merlin 3/2.5 titanium tubing is custom drawn to exclusive Merlin Tube Specification (MTS) requirements that actually exceed aerospace standards for precision and uniformity. The frame is then hand assembled by artisans who proudly add their signature to the meticulous record that accompanies each stage of creation. Once you've had a glimpse of our perfection, it will become your obsession and nothing else will do. After you ride a Merlin, it would be hard to say that we're exaggerating. But don't take our word for it. Pick your destination, call up a riding partner, and ride a Merlin. You're bound to create one of those unforgettable experiences.



A custom made Merlin bicycle will take your ride to another level. With our Made-to-Measure (M2M) program, our engineers have worked diligently to create a perfect fit guide that allows your body to become one with our frame and the result is a ride that is uniquely yours. Your custom built Merlin bike frame will complement your body's specific dimensions and riding preferences. We're confident you'll realize why we call it an obsession and quickly develop your own.

Cielo

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For years, Merlin engineers envisioned a bicycle that fused classic beauty and superior ride quality. Once the Cielo was formed, their aspiration became a dream on two wheels.

It is no coincidence that we called it the Cielo, which is Italian for Heavens. The frame is constructed from refined carbon fiber and expertly hand-crafted and engraved titanium to create a bicycle that holds true to its name. It is the best of everything—a combination of the most exotic modern materials, hand-crafted precision, and performance to match.



Bike shown with custom kit.



Engraved lugs and head tube



FEATURES:

- MTS Size specific tube set
- S-Bend, double-buttressed seat and chain stays
- Engraved lugs and head tube
- Unidirectional carbon fiber top and down tubes
- M2M (see p. 16)

Extralight

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The Merlin Extralight has consistently set the bar for performance, weight, quality, and craftsmanship. As the flagship titanium Merlin, it encompasses years of revolutionary adaptations. The result is a perfect all-around bicycle providing nothing short of a spectacular ride.

The New Merlin Extralight features semi-compact frame geometry to improve the frame's stiffness to weight ratio. This provides increased acceleration and handling response. Whether you are a racer, casual cyclist, or somewhere in-between, everyone will appreciate the strength and agility of this lightweight frame.



Bike shown with custom kit.



Multi-buttet oversized top and down tube



FEATURES:

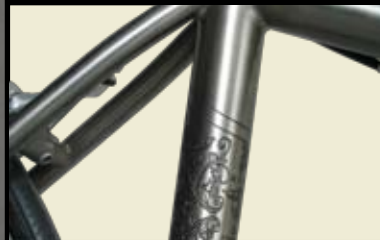
- MTS Size specific tube set
- S-Bend, double-buttet seat and chain stays
- M2M (see p. 16)

Cyrene

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Simplicity and performance are the epitome of the Cyrene. The Merlin MTS tubing with subtle, intricate engraving completes this unique all-day high performance road bike. Challenge it to a swift ascent to the top of a climb and be rewarded with its agility on the twisty descent.

The Cyrene is the bike for those who prefer riding over racing. The geometry has evolved into a refined semi- compact design, built to perform to the highest standards. It features a shorter top tube and taller head tube, allowing it to become our most popular road bike that will go any distance or speed in comfort.



Elegant engraving that you expect from Merlin.



Bike shown with custom kit.



FEATURES:

- MTS Size specific tube set
- S-Bend, double-buttet seat and chain stays
- Engraved head tube, top tube, down tube and frame details
- M2M (see p. 16)

Aspen

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The New Merlin Aspen is an elegant frameset that offers everything in function and fashion. This new multi-purpose platform features frame design and component compatibility that will allow you unlimited individuality. Equip the Aspen with flat bars, drop bars or the timeless mustache bar. The rear dropouts are spaced at 135mm, allowing compatibility with either disc or long reach caliper brakes. The frame has clearance for 700 x 32c road tires and the semi-sloping top tube provides some extra stand over clearance for increased rider comfort. The finishing touches include fender and rear rack mount braze-ons and of course our elegantly engraved Merlin head tube badge.

You decide how you want to set up **your** Aspen – for commuting, randonneuring, Euro-trekking, riding off your caffeine buzz, or simply viewing the scenery. The Aspen will deliver a smooth and efficient ride for years to come.



Bike shown with custom kit.



Drop bar, flat bar, coffee bar compatible



FEATURES:

- MTS Size specific tube set
- Engraved Merlin head tube badge
- Offered as frameset with Merlin's Signature light touring fork
- Internal transmission or derailleur drivetrain compatible
- Disc brake or long reach caliper compatible
- 135mm rear hub spacing
- Rear rack and fender compatible
- M2M (see p. 16)

5.25

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The New Merlin 5.25 will lead you to another level of performance and mountain experience. The ultimate XC bike features the new Merlin four-bar linkage. One of the most energy efficient suspension designs in the world, it delivers long travel and speed together in one amazing package. In other words, you'll get to the top of the mountain with enough energy reserves to hold on for the ride of your life.

Featuring a full 5 1/4" of rear wheel travel, the Fox RP23 shock will smooth out any terrain. The titanium front triangle is designed to optimize the ride quality and handling on any trail. The uniquely shaped down tube adds strength, durability, and fork clearance for those who enjoy the way down as much as the way up. The 5.25 delivers exceptional performance for all day adventure in the mountains.



Merlin four-bar linkage technology provides optimum pedal power efficiency





Machined plate titanium,
manufactured in-house



FEATURES:

- Fox RP23 Rear shock
- Merlin four-bar linkage
- Sealed cartridge bearings
- FOX Float RL 120mm
- Engraved Merlin head tube
- M2M (see p. 16)

XLM

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The XLM or Extra Light Mountain is the premier titanium hard tail racing bike. It's incredibly light weight frame is a snap to accelerate. The combination of double butted, oversized tubing and S-Bend chain stays deliver power to the rear wheel that is guaranteed to pull the hole shot, take you to the front of the pack or to the top of the mountain. The XLM is excellent for carving tight single track or off road adventure.

No detail was spared for the XLM. From the custom double butted MTS tubeset to the sleek engraving on the dropouts and bottom bracket, the XLM has the perfect culmination of elements for your off-road experience.





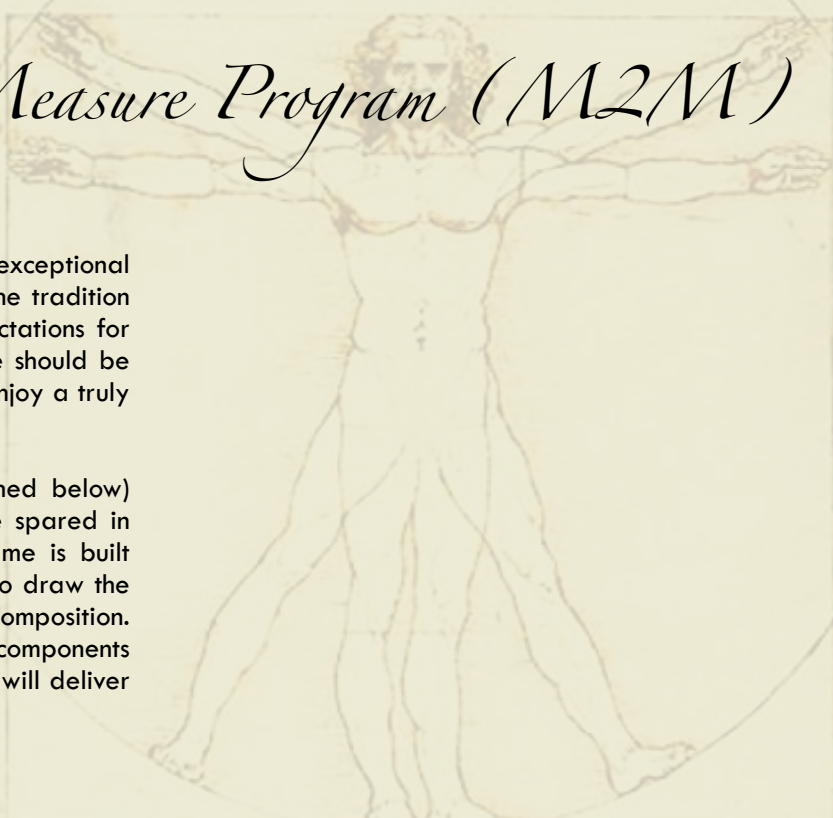
Double-butt joint top
and down tube



FEATURES:

- FOX Float RL 80mm or 100mm fork
- Disc brake specific
- MTS size specific titanium tubing
- Engraved Merlin head tube
- M2M (see p. 16)
- XLM 29, attuned frame geometry for the big wheels = big fun.
- FOX F29 fork (for XLM 29)

The Merlin Made-to-Measure Program (M2M)



Merlin was founded with the purpose of handcrafting exceptional frames for discerning cyclists. We proudly continue the tradition of creating extraordinary bikes and exceeding expectations for performance and ride quality. We believe everyone should be offered the same privilege to create, own, ride, and enjoy a truly one-of-a-kind Merlin.

Our Made-to-Measure custom frame program (outlined below) gives you the pride in knowing that no options were spared in designing you the ultimate bicycle. Your custom frame is built from the ground up by our experienced engineers who draw the dimensions to perfectly complement your body's unique composition. From the custom frame dimensions and choosing which components to equip your dream bike with, the plush coordination will deliver everything to give you the ultimate riding experience.

If you are interested in our custom Merlin program and would like more information please visit our website or simply complete the following process.

- 1) Complete the custom request form available on the Merlin website (under the Custom Bikes link) or at your local Merlin Dealer. This form contains questions regarding riding preferences, body geometry, as well as current bike geometry and setup.
- 2) Visit your local Merlin Dealer. Here a representative will continue the fitting process through a visual fit and linear fit. These measurements and notes will be added to the request form along with your selected componentry. The completed form is then sent to our custom department.
- 3) Our skilled custom frame designers convert the measurements into frame dimensions and design your frame. They then create an approval drawing that will be faxed to your Merlin Dealer. You and the Dealer will examine the drawing and final adjustments can be made at this time.
- 4) Once approved, the drawing is returned to the custom frame designer and your bike is built from the ground up to your specifications.

Marty Jemison Cycling Tours featuring Merlin

Merlin and Marty Jemison are both obsessed with creating and sharing experiences. A few years ago, Marty Jemison, the former 1999 US National Road Champion and 2-time Tour de France finisher (US Postal), hung up the racing kit. Not wanting to just sit back and tell stories at the coffee bar, he decided to start a touring company.

Today, Marty Jemison Cycling Tours combines great Merlin bikes, fantastic riding locations, and fabulous European cuisine; it's the best choice for vacationing and cycling in Europe. Please visit www.martyjemison.com or call 800-429-9159 to check out the latest tour calendar, place reservations, or get more info.



"It is our goal to offer you
a riding adventure
of a lifetime."



	Size	Seat Tube Length (cst)	Top Tube Length (cm)	Head Tube Length	Head Tube Angle	Seat Tube Angle	Chainstay Length (in)	Wheelbase (cm)	Standover Height (cm)	Front Center (cm)	BB Drop (cm)	Frame Weight (grams)	Frame Weight (lbs)	Wheel Size
Road	49	49	52.0	9.0	72.5	74.0	41.6	97.3	73.3	56.8	7.3	1280	2.82	700c
	51	51	53.5	9.0	73.0	74.0	41.6	98.0	74.8	57.4	7.0	1290	2.84	
	53	53	54.5	11.0	73.0	74.0	41.0	98.4	76.7	58.4	7.0	1310	2.89	
	55	55	55.5	12.5	73.5	73.5	41.0	98.3	78.5	58.3	7.0	1330	2.93	
	57	57	56.5	14.0	73.5	73.0	41.0	98.8	80.2	58.8	7.0	1370	3.02	
	59	59	57.5	16.0	74.0	73.0	41.0	99.0	82.2	59.0	7.0	1410	3.11	
	61	61	58.5	18.0	74.0	72.5	41.6	100.2	84.3	59.5	6.7	1450	3.19	
	47	47	51.0	9.0	72.0	74.5	41.6	97.1	72.1	56.6	7.3	1130	2.49	700c
	49	49	52.0	9.0	72.5	74.0	41.6	97.3	73.3	56.8	7.3	1155	2.54	
	51	51	53.5	9.0	73.0	74.0	41.6	98.0	74.8	57.4	7.0	1180	2.60	
	53	53	54.5	11.0	73.0	74.0	41.0	98.4	76.7	58.4	7.0	1205	2.65	
	55	55	55.5	12.5	73.5	73.5	41.0	98.3	78.5	58.3	7.0	1230	2.71	
	57	57	56.5	14.0	73.5	73.0	41.0	98.8	80.2	58.8	7.0	1280	2.82	
	59	59	57.5	16.0	74.0	73.0	41.0	99.0	82.2	59.0	7.0	1330	2.93	
	61	61	58.5	18.0	74.0	72.5	41.6	100.2	84.3	59.5	6.7	1380	3.04	
	49	51	52	11	72.5	74.0	42.0	97.6	74.3	56.3	7.4	1305	2.87	700c
	51	53	53	12.5	72.5	74.0	41.5	98.9	75.7	57.2	7.4	1350	2.97	
	53	55	54	14	73.0	74.0	41.0	98.4	77.6	58.4	7.4	1375	3.03	
	55	57	55	15.5	73.0	73.5	41.0	98.3	79.4	58.3	7.4	1400	3.08	
	57	59	56	17.5	73.0	73.0	41.5	99.3	81.2	58.8	7.4	1440	3.17	
	59	61	56.8	19.5	73.5	72.5	41.5	99.0	83.1	59.0	7.0	1540	3.39	
	61	63	57.8	21.8	73.5	72.5	41.5	100.2	85.1	59.5	7.0	1630	3.59	
	45	45	50	10	70.0	74.5	43.0	98.5	69	56.8	7.8	1300	2.86	700c
	49	49	52	11.5	71.0	74.0	43.0	99.7	72	57.9	7.7	1350	2.97	
	53	53	54.5	13	72.0	73.5	43.0	101.1	75	59.2	7.6	1400	3.08	
	57	57	56	15.5	72.0	73.0	43.0	102.2	78.5	60.3	7.6	1500	3.30	
	61	61	58	18	72.0	72.5	43.0	103.7	82	61.8	7.6	1600	3.52	
	Size/Seat Tube Length (in)	Top Tube Length (in)	Head Tube Length (in)	Head Tube Angle (in)	Seat Tube Angle	Chainstay Length (in)	Wheelbase (cm)	Standover Height (cm)	BB Height (cm)	Frame Weight (grams)	Frame Weight (lbs)			
Frame	15.00	22	4	69.5	73	17.2	42.6	31.0	15.0	2770	6.10			
	16.25	22.5	4	69.5	73	17.2	43.1	31.8	15.0	2785	6.13			
	17.50	23	4	69.5	73	17.2	43.6	32.5	15.0	2810	6.19			
	18.75	23.75	5	69.5	73	17.2	44.4	32.0	15.0	2860	6.30			
	20.00	24.5	6	69.5	73	17.2	45.2	33.0	15.0	2900	6.39			
XLM	15.00	22.2	4.2	71	73.5	16.8	40.8	27.9	12.0	1330	2.93			
	16.25	22.8	4.4	71	73.5	16.8	41.5	28.9	12.1	1375	3.03			
	17.50	23.4	4.7	71	73.0	16.8	41.9	29.8	12.2	1400	3.08			
	18.75	24	5.3	71	72.5	16.8	42.4	30.9	12.2	1545	3.40			
	20.00	24.7	6.3	71.5	72.5	16.8	42.9	32.1	12.2	1570	3.46			
XLM - 29	15.00	22.5	3.8	71	74	17.5	42.4	29.5	12	1400	3.08			
	16.25	23	3.8	71	73.5	17.5	42.7	30.5	12.1	1545	3.40			
	17.50	23.5	4.1	72	73	17.5	42.6	31.5	12.2	1580	3.48			
	18.75	24.5	4.4	72	73	17.5	43.6	32.6	12.2	1615	3.56			
	20.00	25.5	4.75	72	73	17.5	44.6	33.3	12.2	1650	3.63			

Components

*USA Kit Spec
(subject to change)

Road Kits

Kit Specs	DuraAce	Record	SRAM Red	Ultegra
Rear Derailleur	Dura Ace	Record 11	SRAM Red	Ultegra SL
Front Derailleur	Dura Ace	Record 11	SRAM Red	Ultegra SL
Headset	Chris King	Chris King	Chris King	Cane Creek S3
Bottom Bracket	Dura Ace	Record	SRAM Ceramic	Ultegra
Crank	Dura Ace	Record 11	SRAM Red	Ultegra SL
Brake	Dura Ace	Record	SRAM Red	Ultegra SL
Shifter	Dura Ace	Record 11	SRAM Red	Ultegra SL
Cassette	Dura Ace	Record 11	SRAM OG-1090	Ultegra
Chain	Dura Ace	Record 11	SRAM PC 1090	Ultegra
Bar	Ritchey WCS 31.8	Ritchey WCS 31.8	Ritchey WCS 31.8	Ritchey Comp 31.8
Stem	Ritchey WCS 31.8 "44"	Ritchey WCS 31.8 "44"	Ritchey WCS 31.8 "44"	Ritchey Comp 31.8
Tires	Micheline Pro3 Race	Micheline Pro3 Race	Micheline Pro3 Race	Micheline Pro3 Race
Tape	Deda	Deda	Deda	Deda
Post	Ritchey WCS 31.6	Record Carbon 31.6	Ritchey WCS 31.6	Ritchey Comp 31.6
Saddle	Selle Italia SLR	Selle Italia SLR	Selle Italia SLR	Selle Italia C2
Wheelset	Fulcrum Racing 1	Fulcrum Racing 1	Fulcrum Racing 1	Fulcrum Racing 5
custom kits available				

What is MTS?

Merlin Tube Specification is 3/2.5 titanium tubing, custom drawn to strict requirements that actually exceed aerospace standards for precision and uniformity.

Mtn. Kits

What is Size Specific Tubing?

You will see this listed on some of our bikes. Size specific tubing is a method in which we ensure that the same ride quality that you have in a 55cm frame feels and works the same on a 47cm as well as a 63cm. With Merlin size specific tubing, each tube's wall thickness and diameter is selected to match the ride quality for the given frame size. This selection guarantees that the ride quality for a given bicycle will remain the same throughout the size range.

Kit Specs
Rear Derailleur
Front Derailleur
Headset
Crank
Brake
Disc Rotors
Shifter
Cassette
Chain
Bar
Stem
Grips
Post
Saddle
26" Wheelset
26" Tires
29" Wheelset
29" Tires

XTR	XT
XTR Shadow	XT Shadow
XTR	XT
Chris King	Chris King
XTR	XT
XTR	XT
XTR	XT
XTR	XT
XTR	XT
Shimano HG93	Shimano HG73
Ritchey WCS Rizer Lo	Ritchey Pro Rizer
Ritchey WCS ATB	Ritchey Pro ATB
Ritchey WCS Truegrips	Ritchey WCS Truegrips
Thomson 31.6	Thomson 31.6
Selle Italia C2	Selle Italia C2
Shimano WH-975	Shimano WH-775
Maxxis Larsen	Maxxis Larsen
Shimano WH-MT75	Shimano WH-MT75
Maxxis Crossmark	Maxxis Crossmark

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