



**TITUS**

TWO THOUSAND EIGHT



## AT TITUS, BUILDING THE BEST BICYCLES IN THE WORLD IS MORE THAN A CLICHÉ, IT'S A WAY OF LIFE.

We start by hiring our customers - people that are passionate about bikes and are hungry to marry their work with their lifestyle. We give them a clean canvas to create and the materials to play with, and then we turn them loose to play. Innovation comes as a result of perspiration. We ride, we design, we test, we refine.

Our ultimate goal is to build you a bike that does exactly what you expect it to do. We work tirelessly to design and build bikes that respond to rider inputs precisely, predictably, and immediately. That's what a Titus is all about. It's what sets us apart from everybody else. From the way our bikes adjust to line changes to the way they transmit power from rider to pedal stroke, every element of these bikes has been optimized to insure the most intuitive riding experience possible. Every year we reach for better and 2008 is no exception. Designs we thought couldn't be improved upon got even lighter, stiffer, and faster than last year's version. A great philosopher once said that the moment you stop moving forward, you begin to slip behind. Our passion drives us ever forward, so the refinement continues...

### NOW IS NOT THE TIME TO QUESTION YOUR SUSPENSION

**Beauty is in the details**, and we do the details better than anyone. It's not just a pretty paint job, but a perfectly designed main pivot, the right size tubing to optimize lateral stiffness, and a partnership with the suspension manufacturers to give us what we want and to not just accept what they have to offer. It's the four sealed cartridge bearings at the main pivot that deliver unparalleled stiffness and zero maintenance. It's the beefy clevis at the Horst-link that allows zero flex at the rear axle. It's the lightweight carbon rockers of the Racer X and Motolite that help provide one of the best tracking chassis in all of mountain biking. It's in the forged and machined swing-arm yolks. It's tweaking pivot locations until we're satisfied, because we know the difference of a few millimeters can be the difference between a good ride and a great one. At the end of the day we want to make every ride a great one for you — that detail is the most beautiful of all.





# RACER X EXOGRID

**Beauty is More Than Skin Deep.** The patented Exogrid Technology adds another dimension to the already proven performance of the Racer X. The multi-material makeup of the frame's downtube works to absorb the small washboard bumps encountered at high speed that the suspension can't respond to. When you combine our lightweight downtube with the most efficient rear suspension platform in cross country today, the end result is a beauty that can take more abuse than you can.

Hand-crafted in Tempe, Arizona, rider-centric custom geometry is available on all Exogrid and titanium frames. The perfect fit of man and machine is easily achieved through our extremely simple Custom Fit Program at [www.titusti.com](http://www.titusti.com).

**EXOGRID** TECHNOLOGY **Bi/FUSION** TECHNOLOGY  
Exogrid and BiFusion are Trademarks of Vyatek Sports, Inc.

## FEATURES

Seamless 3Al/2.5V titanium front triangle featuring a patented, Exogrid downtube • Hand-crafted in Tempe, Arizona • Custom-tuned Fox RP23 provides 100mm of rear wheel travel • Precision-machined 6Al/4V titanium shock tabs • Triple, oversized, sealed-bearing main pivot • Compression molded carbon fiber rocker • Hydro-formed chainstay • Clevis-style Horst Link pivots capture each dropout eliminating independent dropout flex • Carbon seatstay

- Sizes: XS, S, M, L, XL, Custom



## THE EXOGRID STORY

**Exogrid** is a patented technology (US Pat. No. 6,896,006 and Pat. No. 7,207,354) that combines the best attributes of advanced composites with those of traditional metals. Exogrid structures start with a base metal (such as titanium) structure that then has a major portion of the surface area removed through advanced techniques, such as laser machining. The resulting lightweight metal shell is then fused (using the company's patented Bi/Fusion™ Technology) with an advanced composite inner structure, molded during a secondary process using elevated temperature and pressure. All of our Exogrid tubes are built by hand in Arizona, and are particularly well suited to applications where lightweight and high-stiffness/strength are critical - such as bike frames.

Because of the characteristics of the different materials, multi-material Exogrid structures are lighter than their pure metal counterparts and have significantly improved performance in both bending and torsion. Exogrid Technology is able to take advantage of the primary benefits of metals (strength and consistency) as well as those of continuous fiber-based composites (weight savings and design flexibility).

Multi-material Exogrid structures also possess unique vibration damping qualities due to the dissimilar natural frequencies of the fiber based composites and base metals. This vibration damping effect gives improved "feel" to bicycles frames and components when compared to the vibrations generated by a single material metal surface.







FEATURES

Monocoque, one-piece front triangle is constructed with a combination of high and intermediate modulus, unidirectional sheets of carbon fiber · Custom-tuned Fox RP23 provides 100mm of rear wheel travel · Shock mounts and pivots are cast aluminum for strength and stiffness · R.U.B. Plate protection · Compression molded carbon fiber rocker · Hydro-formed chainstay · Clevis-style Horst Link pivots capture each dropout eliminating independent dropout flex · Carbon seatstay

- Sizes: S, M, L

RACER X CARBON

**Can the Best Get Even Better?** That was the question posed by Mountain Bike Action's Wrecking Crew when they tested the all-new Racer X Carbon in the summer of '07. Here's what they found:

*"The Racer X blends let-it-hang-out technical handling and mash-on-the-pedals acceleration - which is an enviable position in the pro peloton - with the magic of the Arizona marquee." - Richard Cunningham*

The monocoque, one-piece front triangle is constructed with a combination of high and intermediate modulus carbon fibers, allowing us to 'ride tune' each frame for stiffness and response. Aluminum castings are employed for all shock mounts and pivots for strength and stiffness in these critical areas. Foreign objects pose no threat to your frame with the ingenious addition of the Titus R.U.B (replaceable under-belly) plate.

The Titus Racer X Carbon is lighter, stiffer and more shock absorbent, with serious strength and crashworthiness characteristics for the most demanding off-road racers in the world.



**racerX**  
C A R B O N

TITUS CARBON TECHNOLOGY

**Developing advanced** carbon fiber composite bicycle frames isn't a matter of having the most exotic formula or the fanciest terminology. It's a matter of precise engineering, the use of appropriate materials and the proper execution of the fabrication process. Before the first layer of composite is even placed in a mold, our engineers meticulously optimize each sheet of carbon fiber for stiffness and strength.

The direction-specific nature of advanced composites allows Titus designers to create frames that are stiffer in one or more axis, while remaining compliant in others. The extensive use of unidirectional carbon fiber (fibers that are oriented in the same direction) allow our frames to be precisely tuned. We also apply a mix of different fiber modulus (stiffness) to create a frame that is as light as possible without sacrificing strength and durability.

Additionally, the bladder molding process that we employ to create our frames allows us a high degree of control during the lay-up of material and ultimately leads to the higher quality finished product.

Of course at the end of the day the proof of any composite frame is in the riding.







Titus Unlimited Forming – T.U.F. Tubing is a unique tube forming process that delivers lightweight, butted tubes with a wide array of advanced shapes. This custom forming process provides designers with the ability to create precise butting profiles and strength characteristics that other forming processes cannot. Our proprietary 6000 series aluminum tubeset is first brought up to an optimal temperature, where the material is at its most formable state. Then, using a mandrel, we form and butt the tube to our desired shape to get the strongest, yet lightest tube possible. The end result – unique shapes that deliver elegant lines and superior performance.



## RACER X

**An Unfair Advantage.** When you want to go really fast, the Racer X is the bike of choice. If there was ever the perfect cross-country bike, this is it. No other bike offers the drive, stiffness, and efficiency of a racing hardtail with 4” of rear wheel travel. Not only can this bike climb like nothing else, it has more than enough suspension to tackle anything on the descents as well. It’s a lot like cheating – only you won’t get caught.

This year we set out to take the Racer X one step beyond what even we thought we could achieve. The 2008 Racer X sports an all-new lightweight (T.U.F. Tubing) front triangle that cut almost 10% of the weight out of the front triangle. When bundled with the triple-butted, hydro-formed down tube, carbon rockers, and lightweight swingarm, you’ll see quickly why this bike has set the standard in XC performance and has won awards year after year.

racer X

- FEATURES**
- Exclusive Titus T.U.F. Tubing - Custom-tuned Fox RP23 provides 100mm of rear wheel travel
  - Carbon fiber rocker - Hydro-formed chainstay - Compression molded seatstay - Clevis-style Horst Link pivots capture each dropout eliminating independent dropout flex
  - Size-specific tubing
  - Sizes: XXS, XS, SM, M, L, XL
  - Available in .357 (steel blue anodized)
  - Absence (black anodized)
  - Bad Blood (red powder)







## RX-1

**More Than Meets the Eye.** The ultimate 24-hour and cross-country racer, our RX-1 is light, precise and incredibly quick. Oh yeah and it's also amazingly stylish. With countless wins on the race circuit, the RX-1's cutting edge suspension delivers optimal performance for maximum speed and spot-on handling at the lightest weight possible.

The four oversized sealed bearings at the main pivot insure precise rear-end tracking and zero maintenance. Add to that the Titus signature carbon rockers and the custom-valved Fox RP2 and you've got what could be the best valued cross-country steed around.

## FEATURES

6061 aluminum front triangle with triple-buttressed, hydro-formed downtube • Custom-tuned Fox RP2 provides 100mm of rear wheel travel • Four sealed-bearing main pivot • Hydro-formed chainstay • Compression molded, carbon fiber rocker • Size-specific tubing • Lightweight components create a synergistic package at a tremendous value

- Sizes: XS, SM, M, L, XL



## FIRELINE

**Fun Is Around the Corners.** The aggressive geometry and space-age materials make the Fireline an off-road phenomenon that's built specifically for fun. Incredibly lightweight and nimble, yet remarkably strong, this titanium hardtail is made to take even the most gruesome single-tracks FAST! The inherently sweet tracking of the Fireline makes carving around hairpins easy and the compliant nature of the new hourglass seatstays will soften the bumps. The Fireline is every bit as rugged as the places you want to take it. It's light, it's strong, it won't rust, scratches buff out and mud rinses off with ease. You can't get much better than that. Geometry, tube diameters, and frame sizing can all be custom designed and selected to give you the ultimate riding experience. The Custom Titus interchangeable rear dropouts give you the flexibility of having a lightweight single-speed or the high-tech performance of a multi-gear bike.

## FEATURES

Seamless 3Al/2.5V titanium front triangle • Custom S-Bend chain and seatstays for optimal tire clearance, stiffness and comfort • Convertible dropout allows the choice of horizontal single speed or geared bike • Size-specific tubing • Patented, Exogrid tubeset optional

- Available in both 26" and 29" wheel configurations
- Sizes: XXS, XS, S, M, L, Custom



*Fireline*







## **racer****X** TWENTY-NINER

### RACER X 29ER

**More is Not Always Better.** Don't be lured by "more travel" come-ons by other makers. Other frame makers seem to be in a hurry for longer travel 29ers to the detriment of steering and handling. At Titus we choose to go with what we know works. The Racer X 29er delivers a full 3" of travel but handles like its brethren Racer X 26". More travel with 29" wheels usually equates to a longer wheelbase which results in slower steering and sluggish handling. The Racer X's award-winning rear suspension when married with oversize 29" wheels optimizes the tire's contact patch with the trail. The box section chainstay and beefy clevis link design provides ultra-precise tracking and efficient power transfer.

### FEATURES

The Racer X's award-winning rear suspension married to oversize 29" wheels · New chainstay yoke offers increased tire clearance · Box section chainstay for efficient power transfer · Four sealed-bearing main pivot · Compression molded carbon fiber rocker · Clevis-style Horst Link pivots capture each dropout eliminating independent dropout flex · Custom-tuned Fox RP23 with high volume air sleeve provides 80mm of travel

- Sizes: S, M, L, XL
- Titanium front triangle and custom geometry also available
- Colors: Silver Bullet (silver anodized) 
- Ember (red powder) 



MOTOLITE Ti

**Stop Fantasizing.** Light, strong, durable, these are just some of the words that have been used to describe both titanium and the Motolite. The marriage of the ideal bicycle frame material and the ideal trail bike make for an exhilarating ride. The titanium Motolite is riddled with innovation; designed to make the frame nimble and precise, allowing experienced riders to become more proficient on the trail. Multiple, oversized bearings in the main pivot keep the rear suspension from developing power-robbing play and our carbon rockers keep the rear end tracking straight and true. This is the bike that will make your riding fantasy come true.

MOTOLITE

FEATURES

Seamless 3Al/2.5V titanium front triangle • Precision-machined 6Al/4V titanium shock tabs • Hand-crafted in Tempe, Arizona • Custom tuned Fox RP23 • Triple, oversized, sealed-bearing main pivot • Compression molded carbon fiber rocker • Dual rate/dual travel rear suspension allows for 4" or 5" of rear wheel travel • Hydro-formed chainstay • Carbon seatstay • Clevis-style Horst Link pivots capture each dropout eliminating independent dropout flex • Size-specific tubing

- Sizes: XS, SM, M, L, Custom



MOTOLITE EXOGRID

**It's the Bike You've Been Waiting For.** Nothing is more fun than tackling a highly technical trail if you have the right bike. The Motolite Exogrid is that bike and then some. We've taken the best handling, lightest, go-anywhere trail bike and given it even more. More strength, more performance, and unlimited options. The oversized Exogrid down tube adds big time strength and stiffness for the ability to run 145mm travel single crown forks.

MOTOLITE



FEATURES

Seamless 3Al/2.5V titanium front triangle featuring a patented, Exogrid down tube • Precision-machined 6Al/4V titanium shock tabs • Hand-crafted in Tempe, Arizona • Custom-tuned Fox RP23 • Triple, oversized, sealed-bearing main pivot • Compression molded carbon fiber rocker • Dual rate/dual travel rear suspension allows for 4" or 5" of rear wheel travel • Hydro-formed chainstay • Carbon seatstay • Clevis-style Horst Link pivots capture each dropout eliminating independent dropout flex • Size-specific tubing

- Sizes: XS, SM, M, L, Custom







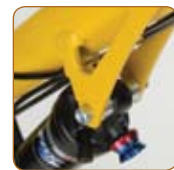
## MOTOLITE

**Finding the Perfect Balance.** Since its introduction three years ago the Motolite has established new benchmarks in suspension performance. This bike was originally developed in an effort to find the perfect balance between short and long travel. It had to deliver Racer X-like pedaling and handling performance and at the same time have the ability to handle nearly 5-inch travel forks and coil-over rear shocks. Based on the numerous awards the bike has garnered it's pretty safe to say that finding balance has been achieved.

Not one to rest on our laurels, we've taken things one step further this year by delivering one of the lightest, stiffest frames in its category. The new 2008 Motolite features a re-designed (T.U.F. Tubing) front triangle that shaves close to 10% out of the front triangle while increasing stiffness and improving the overall handling of the bike. Combined with the triple-buttet, hydro-formed down tube, quad-bearing main pivot and beefy clevis joint, the Motolite has few equals.




Titus Unlimited Forming – T.U.F. Tubing is a unique tube forming process that delivers lightweight, butted tubes with a wide array of advanced shapes. This custom forming process provides designers with the ability to create precise butting profiles and strength characteristics that other forming processes cannot. Our proprietary 6000 series aluminum tubeset is first brought up to an optimal temperature, where the material is at its most formable state. Then, using a mandrel, we form and butt the tube to our desired shape to get the strongest, yet lightest tube possible. The end result – unique shapes that deliver elegant lines and superior performance.

# MOTOLITE



## FEATURES

Exclusive Titus T.U.F. Tubing · Four sealed-bearing main pivot  
· Compression molded carbon fiber rocker · Dual rate/dual travel rear suspension allows for 4" or 5" of rear wheel travel  
· Hydro-formed chainstay · Carbon seatstay · Clevis-style Horst Link pivots capture each dropout eliminating independent dropout flex · Size-specific tubing

- Sizes: XS, SM, M, L
- Available in Titus (blue anodized) 
- Mako (grey anodized) 
- Mango (yellow) 







**ML-1**

#### ML-1

**Unrivaled Versatility and Value.** Whether you're going up or down, the ML-1 has you covered. We've designed the ultimate geometry that strikes the perfect balance between razor sharp handling and high-speed stability. With the ML-1's nimble handling, short chainstays, and killer travel options, you have a bike that can take you up the most technical climbs to the most hair-raising descents without breaking a sweat. There's a reason this bike won Bicycling Magazine's Editor's Choice Award for "Best Trail Bike" in 2007.

#### FEATURES

6061 aluminum front triangle with triple-butt, hydro-formed downtube · Custom-tuned Fox RP2 · Four sealed-bearing main pivot · Dual rate/dual travel rear suspension allows for 4" or 5" of rear wheel travel · Compression molded carbon fiber rocker · Size-specific tubing · Lightweight components create a synergistic package at a tremendous value

- Sizes: XS, SM, M, L





## EL GUAPO Ti

**Nothing Lost in the Translation.** How do you improve upon an instant classic? There are those who argue that you can't build a lightweight, long travel bike and still have it be durable. At Titus we don't see it that way. Trust us; with six inches of ground leveling travel, you're going to want a frame that can withstand countless seasons of black diamond shuttle runs. With a front triangle constructed of aerospace-grade 3Al/2.5V seamless titanium tubing, not only will you be able to float up the most technical of climbs, but you'll also be able to hit that 20 foot double on the way down and not worry if your bike hits the deck in the process. A 1.5" head tube offers unparalleled stiffness and compatibility with all of your favorite long travel forks. The main pivot rolls on 3 massive sealed bearings ensuring that your pedaling energy will not be wasted. A custom valved high volume RP23 helps smooth out the ride, while keeping things light.

### FEATURES

- Custom-shaped 3Al/2.5V titanium front triangle
- Precision-machined 6Al/4V titanium shock tabs
- 155mm of rear wheel travel controlled by a custom-tuned, high volume Fox RP23
- Size-specific tubing
- 1.5" or 1 1/8" fork compatible
- Triple, oversized, sealed-bearing main pivot
- Forged and machined swingarm yokes
- Sophisticated, CNC-machined aluminum rocker
- Clevis-style Horst Link pivots capture each dropout eliminating independent dropout flex

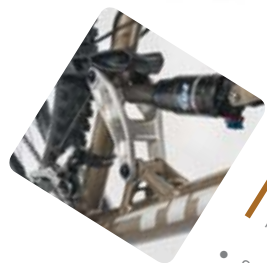
- Sizes: S, M, L, XL





## EL GUAPO

**More Than Good Looks.** When we tasked our engineers with creating the ultimate all-mountain bike, we challenged them to design a bike that was capable enough to take the beating that a season's pass at Whistlers' Mountain Bike Park can dish out without having to stand in a chairlift line to get back to the top of the mountain. According to the *Mountain Bike Action* Wrecking crew, "This is a bike that does everything right, enjoys great attention to detail and is built to last longer than mass produced offerings." Mission accomplished. The rock solid chassis is anchored by a massive, forged and machined rocker which makes the El Guapo track through corners like it was glued to the ground.

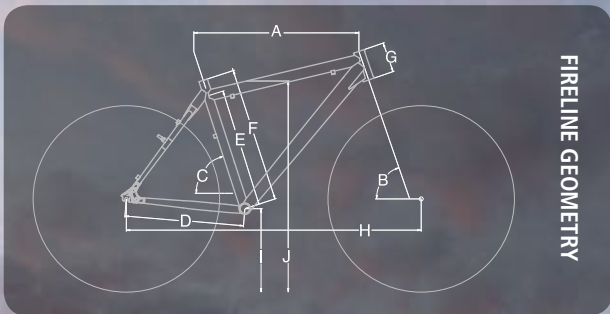


### FEATURES

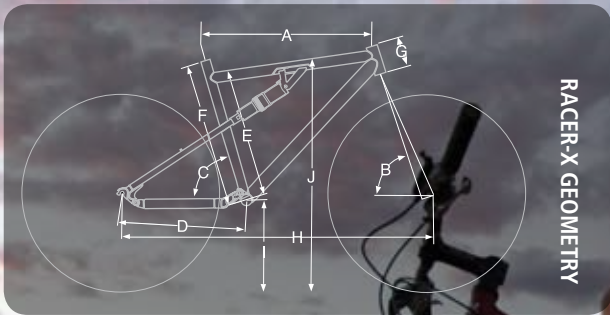
- Shaped, hydro-formed 6061 series aluminum front triangle for strength and durability · 155mm of rear wheel travel controlled by a custom-tuned, high volume Fox RP23 · Precision-machined, two-piece bottom bracket · Forged and machined aluminum yokes · Sophisticated, CNC-machined aluminum rocker · Four sealed-bearing main pivot · Clevis-style Horst Link pivots capture each dropout eliminating independent dropout flex
- Sizes: S, M, L
- Also available in Oil Slick (black anodized)



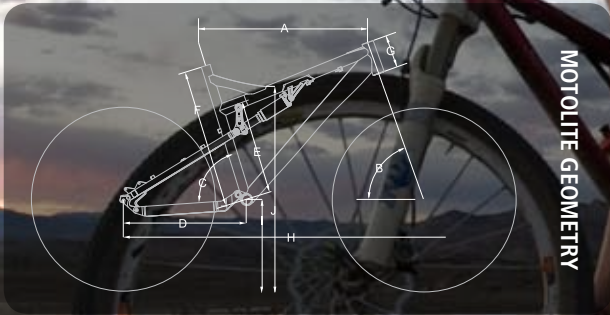




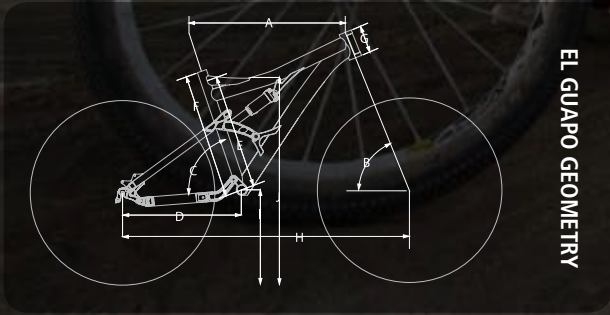
FIRELINE GEOMETRY



RACER-X GEOMETRY



MOTOLITE GEOMETRY



EL GUAPO GEOMETRY

## 2008 MOUNTAIN FRAME GEOMETRY

FIRELINE	Size:	Top Tube	Head	Seat	Ch-Stay	Center	C-Top	Head Tube	Wheel	BB	Stand-over
		(horiz.)	Angle	Angle	Length	to Center		Length	Base	Height	Height
		A	B	C	D	E	F	G	H	I	J
	XXS/80	21.00	70.00	74.00	16.75	11.50	14.00	3.00	40.25	11.63	26.00
	XS/80	22.00	70.50	74.00	16.75	13.00	15.25	3.25	41.28	11.63	27.00
	S/100	22.75	70.30	73.00	16.75	14.63	17.00	3.60	41.76	11.85	27.88
	M/100	23.25	70.80	72.00	16.75	16.80	19.00	4.00	41.62	11.85	29.80
	L/100	24.00	70.80	72.00	16.75	18.80	21.00	5.00	42.19	11.85	31.54
FIRELINE 29er		A	B	C	D	E	F	G	H	I	J
	S/80	23.00	71.00	73.50	17.85	15.50	17.50	3.75	42.76	12.40	29.54
	M/100	24.00	71.50	73.00	17.85	16.25	18.50	4.00	43.50	12.40	30.27
	L/100	24.75	71.50	73.00	17.85	17.00	19.25	4.00	44.10	12.40	31.27
	XL/100	25.50	71.50	73.00	17.85	18.50	21.25	4.25	44.86	12.40	32.08
RACER-X		A	B	C	D	E	F	G	H	I	J
	XXS/80	20.00	70.00	74.00	16.65	10.75	13.25	3.25	39.68	12.20	24.65
	XS/80	21.20	70.00	74.00	16.65	12.50	15.00	3.25	40.68	12.20	26.14
	S/100	22.70	71.00	73.00	16.65	14.50	17.00	3.80	41.64	12.70	28.61
	M/100	23.38	71.00	73.00	16.65	15.75	18.25	4.00	42.33	12.70	29.64
	L/100	24.00	71.00	73.00	16.65	13.80	21.25	5.00	43.00	12.70	29.67
	XL/100	24.60	71.00	73.00	16.65	13.80	23.25	5.25	43.62	12.70	30.50
* RX-1 available in size XS, S, M, L, XL		** Racer X Carbon available in sizes S, M, L									
RACER-X 29er		A	B	C	D	E	F	G	H	I	J
	S/80	23.25	71.00	73.50	18.00	15.50	17.75	4.00	43.26	12.60	29.73
	M/100	24.00	71.50	73.00	18.00	16.50	18.75	4.25	43.62	12.65	30.74
	L/100	24.75	71.50	73.00	18.00	15.60	21.50	4.75	44.42	12.75	31.30
	XL/100	25.50	72.00	73.50	18.00	16.00	23.00	5.00	45.19	12.75	31.99
MOTOLITE		A	B	C	D	E	F	G	H	I	J
	XS	21.30	68.75	72.75	16.85	10.50	15.00	3.30	41.85	13.68	26.25
	S	22.75	69.00	72.75	16.85	10.50	16.50	4.00	43.20	13.68	27.25
	M	23.25	69.25	71.75	16.85	12.75	19.25	4.50	43.20	13.68	29.25
	L	24.25	69.25	71.75	16.85	12.75	21.25	5.50	44.15	13.68	30.40
EL GUAPO		A	B	C	D	E	F	G	H	I	J
	S	22.24	68.00	71.50	17.36	14.21	17.00	4.00	42.68	13.85	29.70
	M	22.70	68.00	71.50	17.36	14.40	18.25	4.00	43.39	13.85	30.52
	L	23.85	68.00	71.50	17.36	14.27	20.75	4.63	44.07	13.85	30.90
	XL	24.75	68.00	71.50	17.36	14.30	21.50	5.00	45.61	13.85	31.57

\*XL only available in titanium



See Our Complete Line of Apparel  
and Accessories online at:  
[www.titusti.com](http://www.titusti.com)

## 2008 STANDARD MOUNTAIN BIKE KITS

	ML-1 / RX-1	Mountain I	Mountain II	Mountain III	Ultimate Mountain Kit	Long Travel Kit
<b>Fork</b>	Fox Talas R / Fox F100R	Fox Talas R / Fox F100 R	Fox Talas RLC / Fox F100 RLC	Fox Talas RLC / Fox F100 RLC	Fox Talas RLC / Fox F100 RLC	Fox 36 Talas
<b>Rear Shock</b>	Fox RP2	Fox RP23	Fox RP23	Fox RP23	Fox RP23	Fox RP23 HV
<b>Rims</b>	Mavic CrossRide	DT Swiss X430	DT Swiss X430	DT Swiss XR 4.2d	Shimano XTR	DT Swiss EX 5.1d
<b>Hubs</b>	Mavic CrossRide	DT Swiss 370	DT Swiss 37	DT Swiss 240S	Shimano XTR	DT Swiss 370
<b>Spokes</b>	Mavic CrossRide	DT Swiss	DT Swiss	DT Swiss	Shimano XTR	DT Swiss
<b>Tires</b>	Kenda Nevegal	Kenda Nevegal	Kenda Nevegal	Kenda Nevegal	Kenda Nevegal	Kenda Nevegal
<b>Crank</b>	Truvativ Firex	Shimano LX	Shimano XT	Truvativ Noir 3.3	Shimano XTR	Shimano XT
<b>Chain</b>	Shimano HG53	Shimano HG53	Shimano HG93	Shimano XT	Shimano XTR HG7700	Shimano XT
<b>Rear Cogs</b>	Sram 11-34	SRAM 11-34	Shimano XT 11-34	Shimano XT 11-34	Shimano XTR 11-34	Shimano XT 11-34
<b>Bottom Bracket</b>	Shimano Deore	Shimano LX	Shimano XT	Truvativ Noir 3.3	Shimano XTR	Shimano XT
<b>Front Derailleur</b>	Shimano LX	Shimano LX	Shimano XT	Shimano XTR	Shimano XTR	Shimano XT
<b>Rear Derailleur</b>	Sram X7	Shimano LX	Shimano XT Shadow	SRAM XO	Shimano Shadow XTR	Shimano XT Shadow
<b>Shifters</b>	Sram X7 Trigger	Shimano LX	Shimano XT	SRAM XO Trigger	Shimano XTR	Shimano XT
<b>Handlebars</b>	Maxm 6061 Riser	Maxm 7075 Riser	Maxm 7075 Riser	Maxm MX-5	Maxm MX-5	Maxm 7075 Riser
<b>Stem</b>	Maxm Forged	Maxm Forged	Maxm Forged	Maxm Forged	Maxm Forged	Maxm Forged
<b>Headset</b>	WTB Momentum C	Cane Creek S-3	Cane Creek S-3	Chris King	Chris King	Cane Creek S3
<b>Brakeset</b>	Avid Juicy 3	Avid Juicy 5	Shimano XT	Magura Marta SL	Shimano XTR	Formula K24
<b>Brake Levers</b>	Avid Juicy 3	Avid Juicy 5	Shimano XT	Magura Marta SL	Shimano XTR	Formula K24
<b>Saddle</b>	WTB Rocket Comp	Fizik Nisene Sport	Fizik Nisene Sport	Fizik Gobi XM	Fizik Gobi XM	Fizik Gobi XM
<b>Seat Post</b>	Maxm Al	Maxm Al	Maxm Carbon	Maxm IM	Maxm IM	Maxm Al

\* 29er kit changes include Rock Shox Reba 29 SL, DT Onyx/7.1 wheels and Kenda Klaw XT tires. \*\* Substitutions will be made on select components to help facilitate timely delivery. Any component change will be of equal or greater value to original specification \*\*\* Component specifications are subject to change without prior notice



## THE ISOGRID STORY

# The unique structure of Isogrid

allows designers to push the performance levels of conventional composites by using an array of carbon fiber ribs to reinforce an ultra-thin, double-butted outer shell. ...reducing total structure weight while yielding tubes that are stronger, stiffer and more durable than conventional composite tubes.

The orientation, size and density of the actual ribs allow engineers to tune the performance levels to the specific requirements of each application, depending on loads being applied. Simply stated – Isogrid allows designers to put material where they need it. .... and remove it from where they don't.

Because Isogrid Technology® (US Pat. No. 6,820,654) involves molding the various carbon layers with its complimentary BiFusion™ process against an outer female mold, the individual layers can be tailored to the needs of the tube and allow infinite “butting” profiles, both along the length of the tube and around its circumference. This type of optimization is unique to Titus’ molding processes and is used in conjunction with Isogrid to optimize each tube design.

# liqero

**What's in a Name?** How do you name a bike frame that is so light it defies gravity but is so powerful it almost feels self-propelled? We chose to call it the Titus Ligeró – Spanish for incredibly lightweight. This frame was built for raw, unequivocal, neck-snapping acceleration; you'll realize it with the first pedal stroke you make. Even the most daunting climbs mean nothing when you have the kind of power-to-weight ratio that this frame affords. But don't just take our word for it, ask a Tour de France stage winner...

*“Riding along a familiar stretch of coastal road, it only takes me seconds in the saddle of the Ligeró to realize that I am in full agreement with Titus on their interpretation of the weight and vertical stiffness balance. It's exactly what I would choose and the resulting feel is so good it's hard to articulate. The Ligeró is seriously lightweight, but it is also pleasingly stiff and comfortable. Such are my impressions of the Ligeró after just a few seconds. After a few minutes, the bike and I have built up an impressive rapport and I'm wishing I didn't have to send it back to the manufacturers.” – Chris Boardman, Pro Cycling*

Custom carbon is not something many companies can tout but with Titus' weld-able carbon/titanium tubes, your ultimate dream bike is just a few measurements away.



Isogrid and BiFusion are Trademarks of Vyatek Sports, Inc.

## FEATURES

- Patented Isogrid main triangle featuring ultra-thin carbon walls, reinforced with internally raised ribs, allow for an incredibly light, yet amazingly strong tubeset
- Tapered down tube flares to a massive 1.75" diameter for increased bottom bracket stiffness
- Sculpted 3Al/2.5V titanium lugs
- Easton EC90 rear triangle offers, strength, stiffness and compliance
- Hand-crafted in Tempe, Arizona

- Sizes 50, 52, 54, 56, 58, 60 and Custom





## SOLERA

**Previously, technology and affordability were mutually exclusive. Enter the Solera.** Constructed with the same high-tech Isogrid tubing found on the Ligerio, the Solera also boasts the all-day comfort that titanium bicycle frames are known for. The Isogrid raised ribs on the inside walls of the carbon downtube, allow our designers to go thinner without surrendering performance. The result – an extremely stiff, hand-built rocket that responds like an extension of your consciousness. In addition to the six standard sizes the Solera can be custom built to fit your needs.

# *solera*



### FEATURES

- Seamless 3Al/2.5V titanium front triangle featuring a patented Isogrid tapered downtube
- Precision-machined 6Al/4V titanium dropouts
- Ovalized chainstays for increased stiffness
- Hand-crafted in Tempe, Arizona



- Sizes 50, 52, 54, 56, 58, 60 and Custom

SOLERA  
on "Stop dreaming and start flying!"





## OSEO

**To Hell with Convention.** The bike industry's conventional wisdom says that carbon fiber road bikes are all about weight — to the exclusion of just about everything else. Titus, of course has always looked beyond convention. That's where you'll find the 2008 Titus Oseo — and discover a higher level of performance that not only exhilarates with high performance, but also fulfills you with exceptional refinement. Our first sub-1000 gram frame offering is achieved through the use of Titus' patented Isogrid Technology, unidirectional carbon, and our own lightweight machined dropouts. The oversized, tapered downtube and slightly sloped geometry provide powerful energy transfer and confidence-inspiring handling characteristics. The radial bend featured on the Oseo's carbon seatstays deliver phenomenal acceleration and unmatched vertical compliance

**OSEO**  
SKELETAL MATRIX



### FEATURES

Patented Isogrid top tube and down tube combine to create our first sub-1000 gram road frame · Radial bend, carbon seatstays deliver phenomenal acceleration and unmatched vertical compliance · Custom, machined dropouts with replaceable derailleur hanger

- Sizes: 50, 52, 54, 56, 58, 60





# vuelo

## FEATURES

Patented Exogrid, multi-material tubeset is the marriage of the highest quality aerospace 3Al/2.5V titanium and unidirectional carbon fiber in an elegant, high-performance matrix · Precision-machined 6Al/4V titanium dropout · Oval chainstays for increased stiffness · Hand-crafted in Tempe, Arizona

- Sizes 50, 52, 54, 56, 58, 60 and Custom

## VUELO

**A Sensation in Innovation.** The Titus Vuelo represents a revolution in custom frame-making. Think of it as a genetically engineered super bike with pedals. The multi-material tubeset is the marriage of the highest quality aerospace titanium and uni-directional carbon fiber in an elegant, high-performance matrix. Hand-crafted in Tempe, Arizona – the patented Exogrid Technology allows Titus engineers to custom tune each tube for maximum performance and comfort - creating the ultimate ride quality machine. The lightweight 2.7 lbs. Vuelo offers amazing acceleration and climbing ability but also provides rock-solid stability and handling. Unlimited custom sizes plus six standard sizes insures that there's a perfect fit for everyone – no matter the size or level of rider

**EXOGRID**  
TECHNOLOGY

**BI/FUSION**  
TECHNOLOGY



## TITUS CUSTOM

**As Unique as Your Individual Thumbprint.** Custom means different things to different companies. For some companies, custom means taking a few measurements and telling you what you need. Having built custom bikes for over 17 years we've learned that to truly build a bike unique to you, it involves much, much more. It's not something that you can just look up in a book or take from a chart. Body measurements, while extremely important, are just one part to the custom process. That's why our engineers ask a lot of questions about individual riders and their preferences. That's why we create a CAD drawing for every custom frame we make. And that's why every Titus custom frame is as unique as its' individual rider.

**The Fit Process:** The Titus multi-step process begins with some basic body dimensions taken by one of our highly knowledgeable Titus dealers. These measurements are then considered while reviewing the set up of your old bike. Customers have often asked: "Why would you measure my old bike? I hate my old bike". Well, as the saying goes, you can't see where you are going if you don't know where you've been. In fact, we have customers who loved the fit of their bike, but overall, wanted something that performed better. Our goal is simple – we want to further improve the fit with your new ride without changing the things you liked most. This approach is very unique to Titus and is what separates us from our competitors' processes.

**Designing the Ride:** The detailed fit measurements provide our team of engineers with the basic geometry of your new rig, but what about the ride, the feel, the handling, and the performance? This is another area that really sets Titus apart from other custom makers. We have over 75 different options of tubing diameter, wall thickness, and material. Every tube on your new Titus Custom frame is carefully selected to give you the ride quality you want. Not just for your height and weight, but for how and where you ride. This is why we go to great lengths to find out as much as we can about you as a cyclist. It's the only real way to build you the bike of your dreams.

**Sweating the details:** All Titus custom frames are designed and built in our Tempe Arizona factory and we invite you to come by anytime to see exactly how your frame was created. Our craftsmen are passionate about building frames that fit and ride like nothing else you've ever experienced. They take great pride in the jewelry-like detail of every miter and every weld on your frame. They literally put their heart and soul into every Titus bike they build, and would love nothing more than to show you around to get you as excited as they are. We've worked hard at perfecting the art of the custom bike and we'd love the opportunity to build one just for you.





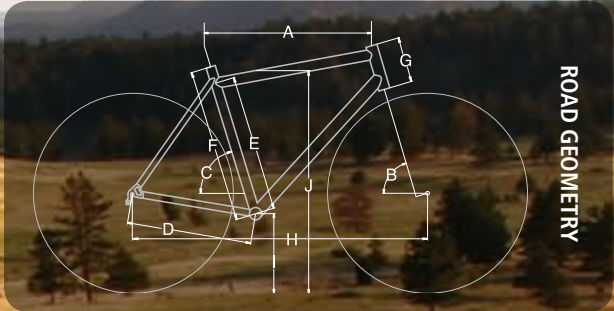
ESTRELLA

**A Star is Born.** From the Spanish word for a female star, the 2008 Estrella is our titanium rocket that is made specifically for women. The geometry and tube selection of this 3Al/2.5V frame was designed for the typically longer legs, shorter torso and reach of female riders. Gender-specific componentry comes standard, including an anatomically correct saddle for comfort, and narrower handlebars and shorter reach levers to fit the smaller female hand. Of course, you still get all the high-speed features that are the hallmarks of Titus, such as strength-to-weight performance, inherent vibration dampening, and amazing tracking control.

FEATURES

- Seamless, thin-wall 3Al/2.5V titanium
- Precision-machined 6Al/4V titanium dropouts
- Women's-specific geometry
- Hand-crafted in Tempe, Arizona

- Sizes: 49, 51, 53, 55



2008 ROAD FRAME GEOMETRY

Model	Size	Top Tube (horiz.)	Head Angle	Seat Angle	Ch-Stay Length	Center to Center	C-Top	Head Tube Length	Wheel Base	BB Height	Stand-over Height
		A	B	C	D	E	F	G	H	I	J
OSEO	50	51.09	73.60	73.50	40.50	43.91	47.70	12.00	94.75	26.69	72.40
	52	53.02	73.00	73.00	40.50	44.22	50.00	12.00	95.34	26.69	73.14
	54	54.54	73.00	73.00	40.50	46.02	50.40	14.00	96.82	26.69	74.83
	56	56.52	73.00	73.00	40.50	47.16	52.80	16.00	98.84	26.69	76.10
	58	58.07	73.00	73.00	40.50	49.64	54.40	18.00	100.34	26.69	78.17
	60	59.23	73.00	73.00	40.50	50.51	56.10	20.00	101.54	26.69	79.30
SOLERA / VUELO	50	A	B	C	D	E	F	G	H	I	J
	52	49.50	72.00	74.50	40.77	42.00	47.10	9.50	94.50	26.70	70.95
	54	52.00	73.00	74.00	40.77	44.00	49.10	10.00	95.63	26.70	72.55
	56	54.00	73.00	73.50	40.77	46.10	51.20	11.50	97.15	26.70	74.41
	58	56.00	73.00	73.50	40.77	47.93	53.00	13.00	99.17	26.70	76.07
	60	58.00	73.50	73.00	40.77	49.91	55.00	15.50	100.13	26.70	78.13
LIGERO	50	A	B	C	D	E	F	G	H	I	J
	52	49.50	72.00	74.50	40.77	42.00	47.10	9.50	94.50	26.70	70.95
	54	52.00	73.00	74.00	40.77	44.00	49.10	10.00	95.63	26.70	72.55
	56	54.00	73.00	73.50	41.50	46.10	51.20	11.50	97.15	26.70	74.41
	58	56.00	73.00	73.50	41.50	47.93	53.00	13.00	99.17	26.70	76.07
	60	58.00	73.50	73.00	41.50	49.91	55.00	15.50	100.13	26.70	78.13
ESTRELLA	49	A	B	C	D	E	F	G	H	I	J
	51	48.50	71.00	73.50	41.27	36.83	41.91	8.26	94.60	26.67	66.76
	53	51.00	72.00	74.50	41.50	36.50	41.58	10.20	96.36	26.42	65.72
	55	53.00	72.50	74.00	41.50	38.00	43.00	13.00	97.37	26.42	67.58
		55.00	72.50	73.50	41.50	43.15	48.23	14.30	98.89	26.42	71.81

2008 STANDARD ROAD BIKE KITS

	Dura Ace Kit	Record Kit	Centaur Kit	Ultegra Kit
Fork	Easton EC90 SL	Easton EC90 SL	Easton EC90 SL	Easton EC90 SL
Rims	Mavic Ksyrium SL	Mavic R-SYS	Mavic Ksyrium Equipe	Mavic Ksyrium Equipe
Hubs	Mavic Ksyrium SL	Mavic R-SYS	Mavic Ksyrium Equipe	Mavic Ksyrium Equipe
Spokes	Mavic Ksyrium SL	Mavic R-SYS	Mavic Ksyrium Equipe	Mavic Ksyrium Equipe
Tires	Continental Force/Attack	Continental Force/Attack	Continental Force/Attack	Continental Force/Attack
Crank	Shimano Dura Ace	Campagnolo Record	Campagnolo Centaur	Shimano Ultegra 53/39
Chain	Shimano Dura Ace	Campagnolo Record	Campagnolo Centaur	Shimano Ultegra
Rear Cogs	Shimano Dura Ace	Campagnolo Record 12-25	Campagnolo Centaur 12-25	Shimano Ultegra 12-25
Bottom Bracket	Shimano Dura Ace	Campagnolo Record	Campagnolo Centaur	Shimano Ultegra
Front Derailleur	Shimano Dura Ace	Campagnolo Record	Campagnolo Centaur	Shimano Ultegra
Rear Derailleur	Shimano Dura Ace	Campagnolo Record	Campagnolo Centaur	Shimano Ultegra
Shifters	Shimano Dura Ace	Campagnolo Record	Campagnolo Centaur	Shimano Ultegra
Handlebars	Easton SLX Carbon	Easton SLX Carbon	Ritchey Comp Logic	Ritchey Comp Logic
Stem	Maxm Forged	Maxm Forged	Maxm Forged	Maxm Forged
Headset	Chris King	Chris King	Cane Creek Solos	Cane Creek Solos
Brakeset	Shimano Dura Ace	Campagnolo Record	Campagnolo Centaur	Shimano Ultegra
Brake Levers	Shimano Dura Ace	Campagnolo Record	Campagnolo Centaur	Shimano Ultegra
Saddle	Fizik Arione	Fizik Arione	Fizik Arione	Fizik Arione
Seat Post	Maxm IR/XR	Maxm IR/XR	Maxm Carbon	Maxm Forged

\* Substitutions will be made on select components to help facilitate timely delivery. Any component change will be of equal or greater value to original specification. \*\* Component specifications are subject to change without prior notice.

ESTRELLA or "this lady really shines!"



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**TITUS**