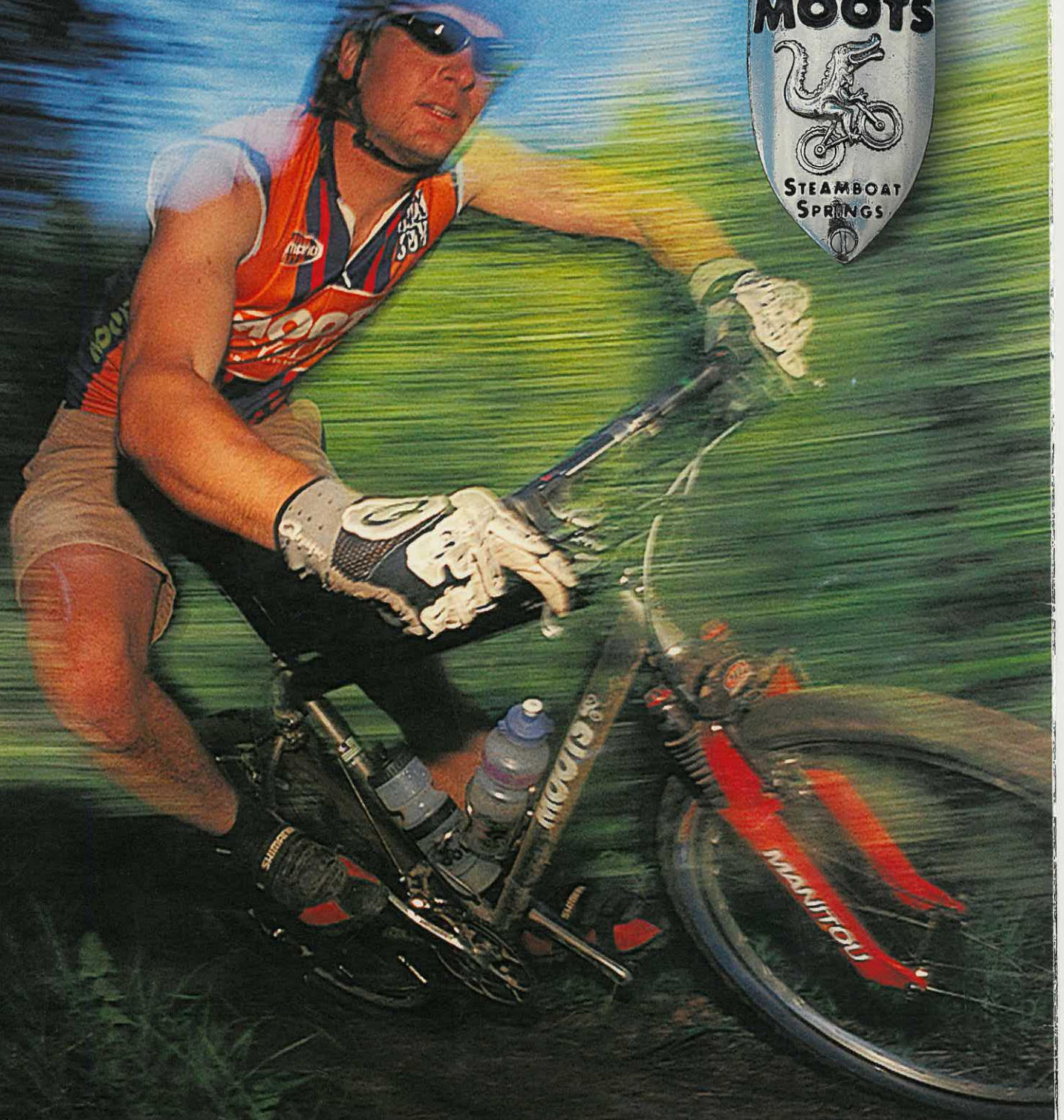
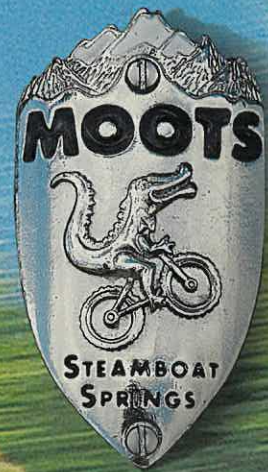




M O O T S T W O T H O U S A N D



Psychlo-X YBBest

Cyclocross racing has been the bike racers' version of hell... with mud, running and anaerobic suffering. Moots produces the Psychlo-X YBBest to try and ease that suffering by giving you lightweight comfort with our YBBest suspension design. Whether you are at the races or just on a ride, the Psychlo-X will take you anywhere. It is designed to run tires up to a 38c in width, with cantilevers or V-brakes to give you all the stopping power you'll need, on the trail or the road. If you know a nice slice of singletrack there's no reason to avoid it on this bike. Set it up with a triple chainring, grab a Forest Service map and head for the hills. Fire roads, logging roads and the trails in between are where this bike is meant to be.

We recommend the I.F. cross fork for this bike to give you the quality ride you are looking for.

The Psychlo-X is also available as a rigid (gulp!) frame for you romantic types.



THOUSAND

New this year is a Hayes disc mount option (excludes Superlight models). Chainstay mounted (18.5" or larger) or seat stay mounted (17.5" or smaller).



Hayes disc mount option on YBBest & Mootineer models.



Observe the sensuous bends of the stays, designed to deliver optimum mud clearance, chain ring clearance and strength. From the 17.5" frame on up we build with a 1.5" top tube to insure stability at high speed. These features, and geometry that provides nimble and predictable handling, are what make this frame a classic.

We offer a **Superlight** version of the YBBest in sizes 17.5 and smaller.



YBBest & YBBest Superlight

Early this past century there were a few pivotless rear suspension frames but they vanished – victims of a shrinking bike industry, road improvements and poor design. Off road cycling and its popularity brought back the need and Moots answered with the perfect design. In our 11th year of production, the Moots YBBest remains our most popular ride. Popular enough to spawn a rush to imitate by almost everyone else in the industry (go figure).

We originally built this frame in steel but made the switch to titanium soon after. In the YBBest, you can own the most advanced, researched, functional and victorious (two NORBA championships) designs... anywhere.



Uno YBB & Rigor Moolis (in)	12**	14**	16***	17	18	19	20	22
Effective Top Tube (in)	20.5	21.25	22	22.5	23	23.5	24.25	25
Seat Tube (c-t) (in)	12.5	14.5	15.5	16.5	17.5	18.5	19.5	21
Head Tube Length (cm)	9.4	9.6	9.8	10.7	11.2	12.5	14.3	16.6
Head Angle	70.3°	70.5°	70.75°	71°	71.5°	71.5°	71.5°	71.75°
Seat Angle	74°	73.5°	73.25°	73°	73.25°	73°	72.25°	72.25°
BB Height (in)	11.525	11.75	11.75	11.875	11.875	12	12.125	12.125
Seat Tube Dia (in)	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Down Tube Dia (in)	1.375	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Top Tube Dia (in)	1.375	1.375	1.375	1.5	1.5	1.5	1.5	1.5
Chain Stay Length (in)	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
Front Center (cm)	59	60.83	61.9	63.09	63.7	64.77	66.3	68.2
Standover (in)	27	28.5	29.25	30	31	31.5	32.3	33

Additional: 1 1/8" headset, 135mm rear spacing, 68mm bb width, english thread, 27.2 seat post.

Options: Eyelets (dropouts only), 3rd bottle mount.

Weight: 17" frame - 3.25lbs.

** 12" & 14.5" Rigor Moolis come stock with curved TT for greater standover clearance.

*** 16" Rigor Moolis come standard with sloping TT, curved TT is Optional.

YBBeat & YBBBeat SL* (in)	12**	14**	16***	17	18	19	20	22
Effective Top Tube (in)	20.5	21.25	22	22.5	23	23.5	24.25	25
Seat Tube (c-t) (in)	12.5	14.5	15.5	16.5	17.5	18.5	19.5	21
Head Tube Length (cm)	9.4	9.6	9.8	10.7	11.2	12.5	14.3	16.6
Head Angle	70.3°	70.5°	70.75°	71°	71.5°	71.5°	71.5°	71.75°
Seat Angle	74°	73.5°	73.25°	73°	73.25°	73°	72.25°	72.25°
BB Height (in)	11.525	11.75	11.75	11.875	11.875	12	12.125	12.125
Seat Tube Dia (in)	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Down Tube Dia (in)	1.375	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Top Tube Dia (in)	1.375	1.375	1.375	1.5	1.5	1.5	1.5	1.5
Chain Stay Length (in)	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
Front Center (cm)	59	60.83	61.9	63.09	63.7	64.77	66.3	68.2
Standover (in)	27	28.5	29.25	30	31	31.5	32.3	33

Additional: 1 1/8" headset, 135mm rear spacing, 68mm bb width, english thread, 27.2 seat post.

Options: Eyelets (dropouts only), 3rd bottle mount.

Weight: 17" YBBBeat - 4.1lbs, 17" YBBBeat Superlight - 3.65lbs.

* Superlight available on 18" and smaller.

** 12.5" & 14.5" YBBBeat & YBBBeat Superlight come stock with curved TT for greater standover clearance.

*** 16.5" YBBBeat & YBBBeat Superlight come standard with sloping TT, curved TT is Optional.

Mootaineer & Mootaineer SL

	XS	SM	MED/LG	LG	XLG
Effective Top Tube (in)	21.46	22	23.25	23.82	24.8
Head Tube Length (cm)	9.2	10.4	11.2	13.5	15.4
Head Tube Angle	70.3°	70.6°	71°	71.2°	71.3°
Seat Tube Angle	73.5°	73.6°	73.3°	73.25°	73°
Seat Tube Diameter (in)	1.25	1.25	1.25	1.25	1.25
Down Tube Diameter (in)	1.5	1.5	1.5	1.5	1.5
Top Tube Diameter (in)	1.375	1.5	1.5	1.5	1.5
Chain Stay Length (in)	16.9	16.9	16.9	16.9	16.9
Suspension Travel (in)	4	4	4	4	4
Standover (in)	28	29	30.5	31	32

Additional: 1 1/8" headset, 135mm rear spacing, 73mm bb width, English thread, 27.2mm seat post.

Weight for SmMed - 5.1 lbs.

Psycho-X & Psycho-X YBBeat (cm)

	50	52	53.5	55	56.5	58	60.5
Effective TT (cm)	52.5	53.8	55	56.3	57.6	58.8	60
Seat Tube (c-t) (cm)	50	52	53.5	55	56.3	58	60.5
Head Tube Length (cm)	9	9.8	11.2	12.6	14.1	15.6	17.1
Head Angle	72°	72.25°	72.5°	72.25°	73°	73.25°	73.25°
Seat Angle	74.5°	74°	73.5°	73°	73°	72.5°	72.5°
BB Drop (cm)	5.7	5.7	5.5	5.5	5.5	5.5	5.4
Seat Tube Dia (in)	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Down Tube Dia (in)	1.25	1.25	1.375	1.375	1.375	1.5	1.5
Top Tube Dia (in)	1.25	1.375	1.375	1.375	1.375	1.375	1.5
Chain Stay Length (cm)	42.3	42.3	42.3	42.3	42.3	42.3	42.3
Front Center (cm)	56.9	58.1	59.41	59.9	60.7	61.5	61.9
Standover (in)	29	30	31.25	32	33	34	34.5

Additional: 1" headset, 130mm rear spacing, 68mm bb width, w/ english thread, 27.2 seat post, top tube cable routing.

Weight: 55cm Psycho X - 3.3lbs, 55cm Psycho X YBBeat - 3.8 lbs.

Options: Custom sizing, down tube cable routing (no charge), eyelets (YBBeat - eyelets only on dropouts), 3rd bottle mount, front derailleur weld-on

Vamoos & Vamoos YBBeat (cm)

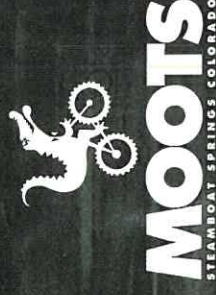
	48.5	52	53.5	55	56	57.5	59	61.5
Effective Top Tube (cm)	51.8	53.5	54.5	55.5	56.3	57	58	59.5
Seat Tube (c-t) (cm)	48.5	52	53.5	55	56	57.5	59	61.5
Head Tube Length (cm)	8.8	10.1	11.5	12.8	13.6	15.2	16.8	19
Head Angle	72.5°	73°	73.25°	73.5°	73.5°	73°	73°	74.25
Seat Angle	74.5°	74.25°	74°	73.5°	73.25°	73°	73°	72.5
BB Drop (cm)	7.3	7.1	7.1	7.1	7.0	7.0	6.7	6.7
Seat Tube Dia (in)	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Down Tube Dia (in)	1.375	1.375	1.375	1.375	1.375	1.375	1.5	1.5
Top Tube Dia (in)	1.25	1.25	1.375	1.375	1.375	1.375	1.375	1.5
Chain Stay Length (cm)	40.3	40.5	40.5	40.6	40.6	41	41	41.5
Front/Center (cm)	56.3	57.4	57.31	58	58.6	58.9	59.4	60.1
Standover (in)	28.75	30	31	31.5	32	32.5	33.3	34.25

Additional: 1" headset, 130mm rear spacing, 68mm bb width, w/ english thread, 27.2 seat post.

Weight: 55cm Vamoos frame - 3 lbs, 55cm Vamoos YBBeat - 3.5lbs.

Options: Custom Sizing, Aero Seat Stays, Front Derailleur Braze On, Eyelets, 3rd Bottle Mount, pump peg.

Mooto-X 700c - Custom only, call for details.



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VaMoos

It's no longer a secret that Moos, renowned for its choice mountain bikes, makes one of the great road frames as well. Production numbers are still low enough to allow you to be somewhat unique in the pack but feeling and riding better than most of them. A beautifully balanced frame, this gem is stiff enough to sprint for the win, while comfortable enough for an all day ride. We utilize a wide variety of tubing diameters and gauges in order to dial in the ride of each size bike. This gives you the stiffness where you need it and the light weight comfort where you want it. Chain stay length varies with each frame size maintaining near custom bike-like weight distribution.

Proper alignment on a road frame is the key to a good ride. We perform three separate alignments on each frame and, because we make all of our own jigs, we rarely need to do more than minor realignments.



THE OUS AND



Rigor Moosis

For the purist at heart, the Rigor Moosis is what you've always wanted in a titanium hardtail. The ride is Moos to the core, and the handling is almost telepathic. On the tightest, twistiest singletrack you'll become one with this bike. This elegant beauty represents the art of Moos in its purest form. The Rigor Moosis features oversized top and down tubes, 7/8" chainstays and modified Breazer dropouts which keep the ride stiff. The loving hands of our crew produce the best finish you'll ever see.

If you like it simple, this hardtail will be the best ride you've ever owned.

Building your Moots

You hear a lot about how difficult it is to weld titanium. It's all true.

And at the same time titanium is the most beautiful metal we love to melt. In the hands of a skilled welder, the material flows and creates a pretty puddle that is consistent and strong. All ti experts have their secrets on how to join tubes in a strong embrace, but here are a few we're willing to share.

All of our titanium components look like jewelry before we weld your frame.

Single pass versus double pass welding. A single pass weld is the result of adding weld wire as a mitered joint is welded. This is quick. A double pass weld, a la Moots, is where the joint is melted together without weld wire, followed by a second pass using weld wire. It may sound simple, but intrinsic in this technique is getting good penetration on extremely precise miters without overheating the material. Our own tests have shown that stems welded through the double pass technique are significantly stronger than those with single pass welds. Double pass welds are not as quick. They are stronger... your Moots will be stronger.

Most importantly, the welding department at Moots is the best in the business. They are their own biggest critics, expecting to push an 11 – on a scale from 1 to 10 – with every weld they make.

Curves ahead

Titanium has many characteristics that make it an exceptional bike frame material. One is its elasticity and memory. This property allows us to design frames using thin-walled oversized tubes that increase the strength and stiffness. We need to work these tubes in a cold state to create the shapes that apply to our various bike frames. Our chain stays, for instance, are made from 7/8" diameter thin walled cold worked and stress relieved tubing. This combined with our Breezer dropouts gives great lateral stiffness, efficient power transfer and a comfortable ride. Titanium is very resistant to bending and staying bent, hence its perfect application in the YBBeat design. Examining our chain stays you will see two bends on the left and three on the right. We accomplish this through specially designed hand benders for each radius bend.

The meaning of life (on a Moots)

What all this mumbo-jumbo means is that when you plunk down that wad of hard-earned cash on a Moots, you'll be getting the finest titanium bike made. A bike that moves with your thoughts, a bike made by riders... Moots riders. Now go ride.

Whew! hope we didn't put you to sleep with all this. But if we did... we know you're dreaming of a Moots.

This flag means "In Moots We Trust". We live to ride... just like you.



Kent Eriksen aboard
the super plush
Mootsineer.



VaMoots YBBeat

Designed with the same geometry and exceptional road manners as our VaMoots. This 3.4 lb. frame takes the vibration out of your rear end and back on those neglected country roads or pot holed city streets without robbing your power. Just think how fresh you'll feel after an epic road ride (You know, the type of rides where you can barely stand up straight afterwards). This bike can be built to weigh as little as 18.5 lbs... and still be bullet-proof. You can also lock out the YBBeat shock if you ever want to. Road ride in comfort or hammer the rough roads... think Paris-Roubaix (or not). VaMoots YBBeat can build with a traditional rigid front fork or with a suspended road fork for full-on, all-day comfort.



M O O T S



Is it stupid to ride a single speed?

Possibly. But we humans love unnecessary challenges and lots of variety.

A multi-gear bike can easily take you to where you want to go but, hey, what sort of fun is that? A single speed is divine simplicity. What we offer mono-geared bike fans is the variety they are hungering for a "full suspension" titanium single speed... a Moots.

Check out those beautiful rear entry drop outs! Available in the same size offerings as the YBBeat. Also, to simplify matters, you covenants can lock out the rear suspension to eliminate one more technological advantage.





Mooto-X YBBeat

The custom Mooto-X is a new twist on an old idea. Wheels and tires this large were common before the paving of most of America. We all know fat tires and big wheels are fast. In the right conditions you'll leave the 26" guys back there in your dust. The tall tires add gear inches over even a normal 700c wheel... kinda like overdrive for your bike. The YBBeat design and front end suspension give you a monster sized singletack machine with handling as fine as our other off-road bikes. Mooto-X is the ultimate do-it-all machine. Buy a set of skinny tires and a set of fat tires and you'll be happy for life. We promise.

Available in custom sizes only (Mooto-X is an ideal bike for riders 6 feet tall and over). Give us a call to find out what is available for front suspension.



M O O T O X



Mootaineer & Mootaineer Superlight

When people first caught sight of the Mootaineer a couple of years ago, they thought it looked pretty cool. And when they finally were able to ride it they recognized it as one of the best riding cross-country full suspension bikes on the planet. This beauty weighs in at only 5 lbs. for the superlight version. Large diameter pivots with 1" diameter pins – and no pivot at the drop out – give this frame great lateral stability with no pedal induced bobbing. This is fully active suspension that works whether you are sitting or standing.

Once on top, flip the lever to regain the full 4" of push rear travel. The 17" chain stay delivers a true cross-country ride. Geometry and handling is reminiscent of the classic YBBeat.

New for '92K are zerk fittings at the pivots for easier maintenance. Bigger diameter chain stays give the bigger rider even greater lateral stiffness at no additional weight. Also, bigger stopping power is offered with a Hayes disc mount option.

The Mootaineer is designed to use any of a number of fork options depending on your tastes or needs. Like the YBBeat, we offer a Superlight version of the Mootaineer in the small/medium size and smaller sizes.



A view from the shop

A visitor to our part of Colorado arrives here in winter with hopes and expectations of world class skiing or snowboarding and in the summer to kayak, climb, backpack, fly fish or ride. Appropriately, all these outdoor endeavors are passionately embraced by the eclectic people at Moots. But dearest to all of us here is the singletrack a stone's throw from Moots Headquarters.

As designers and builders of America's best riding mountain bikes, we appreciate and indulge ourselves in the hundreds of miles of test track out our back door here in Routt County. Riding is a way of life and, of course, our livelihood. We take both very seriously.

We hope that you will expect nothing less from us than "the finest bike made". That's what we expect from each other. We may gloat and pound our chests a bit when we read the e-mailed compliments or enthusiastic reviews in the trade magazines, but we're also fueled by a communal attitude of concern, commitment and attention to each exists here in the Moots crew. We ride and we love to ride.



Moots also makes the most beautifully finished and innovative titanium seat posts, stems and handlebars on the planet.

There's a prize in every package

Just what does "handbuilt in the Rockies" get you? Moots craftsmen are making each frame. Each frame's alignment is checked 3 times during it's construction, to within a few thousandths of an inch. From mitering the tubes, to the application of decals, each person takes care to perfect their task. Ask any mechanic who has built up a Moots if they have ever seen a more perfectly prepared frame. The answer will be "none".

The little things add up. Each cable stop and slot on the frame is hand filed so you won't snag your leg on a burr.

Afterwards, we apply a beautiful satin finish using our own blaster and bead combination. At the weekly shop meetings, quality rules over quantity. We build to the highest standards that you'd expect in a frame that has won two NORBA National Championships ('97, '98).

Weld quality, alignment and finish are the best in the industry. A lot of the little details that go into your Moots, are all but invisible to the untrained eye.

Perfect miters, perfect alignment, perfectly clean welds both inside and out, highest quality tubing and weld wire are a few of the qualities you want in a bike... your bike.

Super hero action figure and Moots pro racer, Rene Marshman. Batteries not included.

