

I 9 9 2 C A T A L O G U E



syncros  
APPLIED TECHNOLOGY

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**S**yncros is a team of highly skilled and motivated craftspeople who have been building high performance bicycle parts since 1986. We come from diverse athletic backgrounds like windsurfing, skateboarding, skiing, rock climbing and snowboarding with extreme mountain biking as a common obsession. As athletes, we've ridden on (and sometimes over!) the edge and refuse to accept mechanical limitations.

Our designs are innovative and thoroughly researched. All prototypes must pass an extensive battery of tests in the laboratory and on the race course before they are committed to production. We select raw materials from the most expensive aerospace alloys that are custom made to our exacting specifications in aircraft-certified mills throughout North America. Our machinists, as riders, understand the kind of punishment every part must withstand; something you can't teach a robot. In fact, we build thousands of parts to tolerances as close as 0.003 mm (0.0001 in). Try that one on Taiwan! Building by hand with individual inspection takes longer but it's your assurance of quality, precision and performance.

Twenty minutes from the West Coast's most awesome trails, our Vancouver factory has grown to supply hard-core riders in 15 countries. Our unique combination of aerospace materials, old-world craftsmanship and experience based design has given Syncros components a world-wide reputation for lightness, strength and durability.

**At Syncros, we recognize the demands of extreme mountain biking and build every component to take you to your limits and beyond.**





In 1986, after years in the bike shops as Canadian mountain bike pioneers, we recognized the need for specialized componentry designed specifically to withstand serious off road pounding. To us, early mountain bike parts were just modified road gear, and the parts we hadn't busted ourselves, our customers had. So, after years of turning our bike parts into scrap metal, we decided to get to work on something better.

Syncros had its humble beginnings in a backyard garage, where for 2 years, we honed our skills, turning aerospace surplus into high tech prototype hardware for ourselves and the local "bros". Our commitment was and still is to build the lightest and most durable components possible to synchronize man and machine.

Syncros is not interested in fads. We dedicate our resources to the development of functional products for racing and hardcore off-road use. For the coming season, we offer our Pro Series components that are capable of standing alone as the finest parts available of their kind. Put them together and they're unbeatable.

*Pete Hamilton*

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**S**yncros Pro Series components reduce weight and dramatically improve the handling and efficiency of any bike, giving you the confidence to go to extremes. Off-road racers, from local amateurs to World Cup Professionals, demand Syncros components for the competitive edge. Extreme riders worldwide rely on our Pro Series parts to take the pounding, even in the most radical terrain. So if you're the kind of rider who refuses to accept limitations, go for it with Syncros, and experience unlimited performance.





**D**esign, materials and attention to detail. That's what makes our components some of the lightest and strongest in the world. They'll take all the punishment you can dish out because at Syncros we believe that for decency's sake, the hardware should long outlast the flesh. In fact, we guarantee our components, when used reasonably, to be free of defects in materials and workmanship during the normal life of the part.

Experience it yourself. With the Syncros Pro Series Gruppo, you'll get lightweight race-proven performance and bomb proof durability ride after ride.





**A**t Syncros, we've redefined the high performance seat post with our new ultralight Propost™. Built with the same 7075T78 cold drawn tubing as our handlebars, the Propost is 50% stronger than its nearest rival and is still the lightest aluminum or titanium seat post on the market. Each Propost is precision turned to the kind of exacting tolerances seen only on hand made components for a perfect fit every time. Our unique medium layback design is engineered specifically for modern bike geometry and riding techniques. The plated, heat treated, cromoly bolts grab the saddle rails with authority and the sinterized bronze rotators allow infinite micro-adjustment of riding position. Available in all the standard sizes and a new shorter length for road bikes, there's a Propost to keep you riding high in the saddle!



• syncros

Sinterized bronze rotators and heat treated bolts for precise micro adjustment.



Precision machined 7075T78 heat treated alloy pillar is ultra strong and still the lightest.

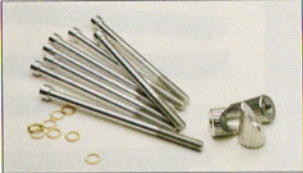
• Medium lay back design is ideal for modern bike geometry and riding techniques.



Proposts are available in 3 lengths and all standard sizes.

Ultralight, 220g, 26.6mm Al,  
170g, 27.2 Ti

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Z-bolts, only 20g, the lightest in the world!

Aerospace Zircal alloy, strength to weight twice titanium and 3 times chromoly steel.

Standard equipment on Cattleprod and Altura™ stems, also sold separately.

The twin bolt clamp mechanism reins bars in tight!



Our bombproof mountain stem technology hits the road!

The new Altura road stem is the lightest aluminum road racing stem in the world, 210g, 110mm!

Oversized bi-oval extension tube provides unsurpassed stiffness and strength for all out power and control.

Ultralightweight 6061T6 heat treated alloy 260g, 140mm.



Oversize, differentially tapered extension tube provides incredible stiffness and strength.

If you demand no bull steering, then you've got to have a Syncros Cattleprod™ stem.

We use vibration dampening, low modulus 6061T6 aluminum that's solution heat treated and artificially aged after welding for maximum strength and fatigue resistance. The massive, differentially tapered extension tube and extra wide, twin bolt clamping mechanism give an unparalleled, solid ground feel and precise, accurate, finger tip steering response so you can dance your way around obstacles and stay in your line.

With over 25,000 Cattleprod stems in service, that's a lot of hardcore riders who rely on the Cattleprod stem for positive directional control.

The state-of-the-art Cattleprod is still putting all the other welded steel, aluminum and titanium stems out to pasture. Independent lab tests have confirmed that the Cattleprod is 30% stiffer and significantly stronger than its closest rival.

**S**yncros Steerhorns™ represent the most significant development in off road ergonomics since the bull moose handlebar. Developed in 1986 to cure a tendonitis problem, Steerhorns have since become an integral steering component for many pro and amateur racers. By rotating the wrists, Steerhorns increase power available for climbing and sprints and reduce stresses on the hands and wrists when you're flying through the rough stuff.

The patented hightech design of Steerhorns deliver unparalleled ground feel and finger tip steering response in all terrain. Our new custom-made Steerhorn Grips fit perfectly over your Steerhorns for a positive, shock absorbing grip. So grab a set of Steerhorns and Get Agro!

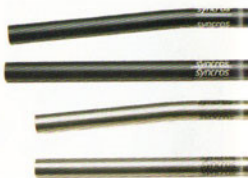


The original and only true ergonomic design.

Lightweight 6061T6 aluminum, 150g.

Five different hand positions for increased comfort.

Increases power for climbing and sprints.

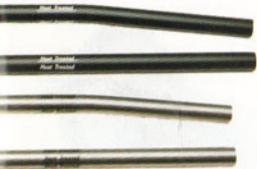


Improves steering control in technical terrain.



Steerhorns fit directly onto high quality handlebars.





Available in 7075T78 alloy, 170g (including shim) and ultralight titanium Ti3AL2.5V, 160g (including shim).

Flatbar 5° bend, Shotgun 0°.



One piece Monoshim™, 6061T6 only 10g.

Integral with Syncros handlebars, also sold separately.



While some handlebar manufacturers are making a lot of claims, Syncros delivers, with 170g of unadulterated aircraft tube. Used extensively in supersonic aircraft, alloy 7075 is the premium 7000 Series alloy and our proprietary heat treat process (we call it T78) yields a handlebar with three times the impact strength of all other 7000 Series bars.

With all the big guys hanging on to the bulge bar band wagon, Syncros bucks the trend with a seamless, cold drawn, constant diameter design. The uninterrupted grain flow of our constant diameter bar eliminates residual stresses from swagging (bulging) and the integral Monoshim™ diffuses fatigue concentrations at the stem clamp by up to 75%.

If you're not behind our bars, you're dragging a ball and chain!



**A**t Syncros, we've made a careful analysis of the problems associated with conventional open bearing, cromoly spindle bottom brackets and designed many benefits into our sealed Titanium Bottom Bracket. The precision machined heat treated titanium spindle is half the weight, 30% stronger and significantly more fatigue resistant than any titanium or cromoly spindle. The low friction, precision ground, sealed cassette bearings handle heavy radial and axial loads. Eight independent rubber seals isolate the mechanism from environmental contamination so you can set it and forget it.

Crank removal is a snap with Crank-O-Matic fixing bolts. An Allen key is all that is required for crank removal and they'll save the day in trail-side emergencies.

Install a Syncros Titanium Bottom Bracket. The overall effect is performance without equal.



Precision machined heat treated Ti6246 spindle, half the weight of cromoly steel.

The water sleeve and 8 independent rubber seals keep the whole unit totally sane.



Available to fit both road (160g including watersleeve) and mountain (165g) cranks.

Hard anodized alloy cups are both completely adjustable to dial in the chain line perfectly.

Precision ground SKF sealed, cassette bearings provide thousands of miles of low friction, trouble free performance.

Outboard bearing placement minimizes spindle flex.



Titanium Crank-O-Matic, crank bolt and puller in one.

Precision machined from Ti6Al4V, Crank-O-Matics weigh a mere 20g.

Custom drawn Columbus Nivacrom crank arms significantly reduce flex and fatigue.

Ergonomic design maximizes power transmission, optimizes ankle clearance.

The 410g Revolution crankset delivers more bomb proof performance per gram than any crank in the world.

Available in both mountain and road configurations.



Powerdisc™ spider reduces chainring deflection and accepts regular chainrings.



Log Cog protects chainrings from rocks, logs and other nasty obstacles.

Unidirectional tooth pattern provides excellent bite in technical riding situations.

Super beefy and light, computer designed 6061T6 alloy Log Cog weighs only 107g.

Cold forged spindle taper provides lifetime fit on conventional bottom bracket spindles.

If you're a fanatic hammerhead, the ultralight Revolution crankset will give you unequaled performance for uncompromising riding. Our lightweight, tubular Columbus Nivacrom crank arms are designed specifically to overcome flexing and fatigue failure problems and are three times stiffer than heavy conventional aluminum cranks. The elliptical shape of the Revolution crank maximizes power transmission for all out hammering. Plus the hightech, ergonomic design optimizes ankle clearance and has one of the lowest Q factors of any crank on the market. Our spindle taper is cold forged, not machined, to provide a lifetime fit on both Syncros and conventional bottom brackets. The Powerdisc™ spider reduces chainring deflection, front derailleur rub and is compatible with standard 74-110 chain ring patterns.

Bolt on a set of Syncros cranks and join the Revolution!





Only twenty minutes from our Vancouver factory, in the lush coastal mountains, there's unlimited year-round riding on hundreds of kilometres of the most awesome trails on the West Coast.

From lung-searing climbs and wide open, high speed descents to insanely technical single track, there's plenty of terrain to test every rider's limits. It's world class riding no doubt. And it's a great place to test world class components too. There's no shortage of slippery roots and rocks, twists, turns and dropoffs for our hardcore test pilots to hammer over and push Syncros components to the limit. Feedback from our test riders and local "bros" is critical to the refinement and continuous improvement of state-of-the-art Syncros componentry. We figure if our components make the grade in our own back yard, they'll handle the demands of extreme mountain biking the world over.





Even though there's more off-road riders per capita in Vancouver than anywhere else in North America, the local trails are also a mecca for hardcore riders from the world over. The clean air and scenic beauty of crystal clear lakes and lush evergreen forests are as much a draw as the extreme terrain. The "locals only" trails have a more international flavour these days. With lots of sub-snowline winter riding, and no shortage of mud, there's plenty of adrenaline pumping action to be had year around!

It's great to be able to share this awesome backyard playground with extreme riders from all over the world.

