



*SYNCROS*® 1998

# EST

## SEATPOSTS

	26.0	26.2	26.4	26.6	26.8	27.0	27.2	27.4	27.6	27.8	28.0	28.2	28.4	28.6	28.8	29.0	29.2	29.4	29.6	29.8	30.0	30.2	30.4	30.6	30.8	30.9	31.0	31.2	31.4	31.6	31.8		
Titanium - 225MM					•	•	•	•																									
Titanium - 330MM					•	•	•	•							•																	•	•
Aluminum 7075 - 225MM	•	•	•	•	•	•	•	•																									
Aluminum 7075 - 330MM		•	•	•	•	•	•	•				•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
Aluminum 7075 - 425MM		•	•	•	•	•	•	•			•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
Aluminum 6061 - 330MM					•	•	•																										

## MOUNTAIN STEMS - AHEAD HINGE

	70	80	90	100	110	120	130	140	150
1" steerer - 0°					•	•	•	•	•
15°					•	•	•	•	•
1.125" steerer - 0°					•	•	•	•	•
15°					•	•	•	•	•
1.125" steerer - 25°	•	•	•	•	•	•	•	•	•

# SYNERGOS®

HANDBUILT STATE OF THE MIND TECHNOLOGY

## MOUNTAIN STEMS - AHEAD

	110	120	130	140
1" steerer - 0°	•	•	•	•
15°	•	•	•	•
1.125" steerer - 0°	•	•	•	•
15°	•	•	•	•

## MOUNTAIN STEMS - QUILL HINGE

	110	120	130	140	150
1" steerer - 0°	•	•	•	•	•
15°	•	•	•	•	•
1.125" steerer - 0°	•	•	•	•	•
15°	•	•	•	•	•

## ROAD STEMS

	70	80	90	100	110	115	120	125	130
-17.5° rise	•	•	•	•	•	•	•	•	•
0° rise	•	•	•	•	•	•	•	•	•
-17.5° rise AHead				•	•	•	•	•	•

CLAMP Ø 26.0MM & 26.4MM

## CHAINRINGS

	20	22	24	32	34	36	38	39	42	44	46	48	50	52	53	60
Std. Mountain - 74MM				•												
Triple - 110MM					•	•	•			•	•	•				•
Hyper C - 58MM	•	•														
Mountain Triple - 94MM				•	•	•	•		•	•	•					•
Standard Road - 130MM								•	•							•

## CRANKSETS - COLD FORGED ALUMINUM

	170	172.5	175	177.5
Compact	•	•	•	•

ACCEPTS 20 - 60T CHAINRINGS

## CRANKSETS - TUBULAR STEEL

	170	172.5	175	177.5
Mountain	•	•	•	•
Compact	•	•	•	•
Road	•	•	•	•

## BOTTOM BRACKETS

	102	103	107	110.5	111	113	117	122	127	131
Steel - single			•	•		•	•			
Steel - double			•	•		•	•	•	•	•
Ti - single	•	•			•					
Ti - double		•	•		•	•				

**We were insane.**

Those were the banker's words when we showed him our business plan.

**We preferred to think of ourselves as pioneers.**

We were going to build the world's finest mountain bike components.

# SYNCROS®

**He may even have chuckled.**

He turned us down for the loan.

Of course, he'd never heard of mountain biking before. Few had. It was 1987. And we were just two grimy, naive bike junkies with a bad idea. To build components for a sport that had yet to breach the collective consciousness.

Pioneers that we were, we struck out on our own, forging our own unique path. With a few prototype steel stems and aluminum seatposts tucked in a bag, we snuck into the 1987 Long Beach bike show and scammed a pirate booth.

A year later, we developed an affordable technique for welding aluminum, launching a revolution in ultra-light and ultra-strong mountain biking stems that still has heads spinning today.

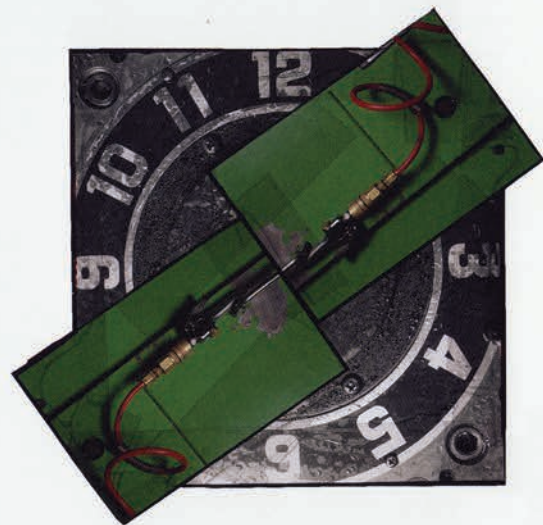
**A little ancient history.**

But then, in a sport that's scarcely two decades old, eleven years is an eternity. Many of those with whom we started the journey have since gone their own way. Most, compelled by the marketplace, have foregone obsessive craftsmanship in favor of volume and profits. As always, inspired by that obstinate pioneer spirit, we were drawn down our very own road. To become more steadfast in our commitment to quality. To remain true to the insaniac principles that inspired the journey.

Perhaps our profits aren't quite as steep, nor our components quite as commonplace, as if we'd chosen the saner path. But the knowledge that in their moment of need, the world's finest racers turn to us - that Tinker Juarez, Missy Giove, Alison Sydor, Miguel Martinez and

the like, see in us a spirit akin to their own - is far more reward than either we or that banker could have imagined all those years ago.

And so, we celebrate this extraordinary achievement, and the path forged to it over these magical years. We thank all those who partook in the insane journey - their commitment, their vision and their madness have made the adventure possible, and the road worthwhile. Their character and spirit are embodied in each and every component we build. They are what inspires our journey, and what hopefully will propel you in yours.



# BOTTOM BRACKETS

**Imagine your face 10 inches off the ground. For an entire ride.**

That'll give you a taste of what life as a bottom bracket is like. Mud, dirt, dust, water and rocks. All the while delivering 100 silky smooth grit-free rpms for hours at a time.

**It's hell down there.**

Precisely why eight independent rubber seals keep our precision-ground bearings gliding maintenance-free come hell or high water. And now, we've elevated it to even greater heights with an ingenious "Slam It In Design."



Steel Single Row

Steel Double Row

Ti Single Row

Ti Double Row

**If you'll pardon our language.**

What that really means is no grief, fiddling or maintenance required. And unlike those overpriced "disposable" cartridges, our devilishly clever design allows for easy overhaul. Just pop off the new rubber seal and repack the bearings with fresh grease. You can choose between the feather-weight ti spindle or blast-proof steel for truly industrial loads.

**It also goes both ways.**

Truly a first, our bottom bracket is convertible to either a race-light single-row or bomb-proof double-row angular bearing design - making it the strongest high-performance bottom bracket on either side of heaven or earth. Not to mention one of the lightest, at an ethereal 155 g for Ti.

**And now, strap-on accessories**

Yup. For the truly adventurous, there's the optional extended drive-side cup with stainless steel locking. And yes, we did say "locking". Which means you can mount a Shimano E-type front derailleur right onto your bottom bracket without getting your chain all in a knot.



## BOTTOM BRACKETS TECHNICAL SPECIFICATIONS:

Material:	Spindle:	Steel: SAE 4140 heat treated Cromoly Ti: 6Al 2Sn 4Zr 6Mo titanium
	Cups:	Hard anodized 6061 T6 aluminum alloy, cold rolled thread
	Bearings:	Single: INA 61903-2R2 Double: INA 3903-2RS
Optional locking:		SAE 303 stainless steel
Weight:	Steel:	Single: 225g - 113mm spindle Double: 240g - 113mm spindle
	Ti:	Single: 155g - 103mm spindle Double: 175g - 113mm spindle



# CRANKSETS

## You won't like this.

The painful truth is, cranks flex, fatigue, seize and crack. Even the hyper-priced CNC-machined, cold-forged aluminum ones. In fact, they're the worst offenders of all.

## Uh huh. Even those.

That's because those pricey CNC-machined cold-forged cranks are actually carved into their final shape. Which means cutting away the metal - and with it, the grain structure, the integrity and most of the inherent strength.

## Imagine shaving away the sides of a bungy cord.

So instead of carving away precious metal, we carved out our own road. Along the way, we pioneered two of the most impressive revolutions the world has ever raced.

## The Alloy Revolution.

Our brilliant new cold-forged 7075T73Al aluminum crank relies on a unique process called "Near Net Shape Forging". Applying thousands of foot-pounds of force, it literally presses the alloy into its ultimate eye-catching shape.

No cutting. No carving. No compromise.

And no stress. That's because our ingenious forged Stress Transfer Device (STD) eliminates acute angles at the chainring tabs. And it's those sharp angles that create the high stress areas where alloy cranks invariably fail. So you get a lifetime of low-stress spinning at a miraculous 465 grams.

## The Steel Revolution.

The world's finest crank. Period.

Custom-drawn, triple-butted tubular Reynolds cromoly, this crank is stronger than any aluminum crank. Except ours, that is. Which means far less flex, less wasted energy, and more muscle to the spuds. At a record-setting 460 grams, that makes them among the lightest and most indestructible cranks ever to circle the orb.

### CRANK-O-MATIC TECHNICAL SPECIFICATIONS:

Material:	Bolt:	Ti6Al4V Titanium alloy	M8 x 1.0 cold rolled thread
	Washers:	Bronze thrust bearings	
	Cap:	Hard anodized Zircal alloy	
	Thread:	M22 x 1 roll formed	
Weight:	18g/pair		

### COLD FORGED ALUMINUM CRANKSET TECHNICAL SPECIFICATIONS:

Material:	Arms:	Near net shape forged 7075T73 Al
	Stress Transfer Device (STD):	7075T73 Al
	Bolts:	steel alloy, nickel plated
Weight:	455g - 175mm	
Fits:	107mm BB	
Finish:	Matte Silver, hard anodized	

### STEEL CRANKSET TECHNICAL SPECIFICATIONS:

Material:	Arms:	Custom drawn tubular Reynolds, heat-treated CroMoly.
	Spider:	7075T6 Aluminum alloy, anodized black
	Bolts:	Ti 6-4 Titanium alloy, cold rolled thread
	Power plate:	Al2024T3 cold forged
Weight:	460g - 175mm	
Fits:	Road:	109mm BB
	Mtrn:	117mm BB
Finish:	Matte black hard anodized	





5. DIMENSIONS FOR 140mm x

Dim. L

Dim. A

2.

1. ALL

SHARP EDGES

IS IN ALL P.S.

(UNLESS OTHERWISE S

# CHAINRINGS

The slickest chainrings in the world.  
Literally.

## **Lubricated, you might say.**

The skinny is a super-hard ceramic coating embedded into the alloy, imparting these frictionless wonders with extraordinary lubricity where it matters most.

## **The drivetrain, that is.**

And a slicker drivetrain means more speed – not to mention smoother, more consistent and near-silent shifting. Not surprisingly, the super-resilient ceramic coating also makes for unparalleled wear-resistance, superior anti-corrosive properties and a longer life in the unforgiving grind to become the very best.

## **It never ends.**

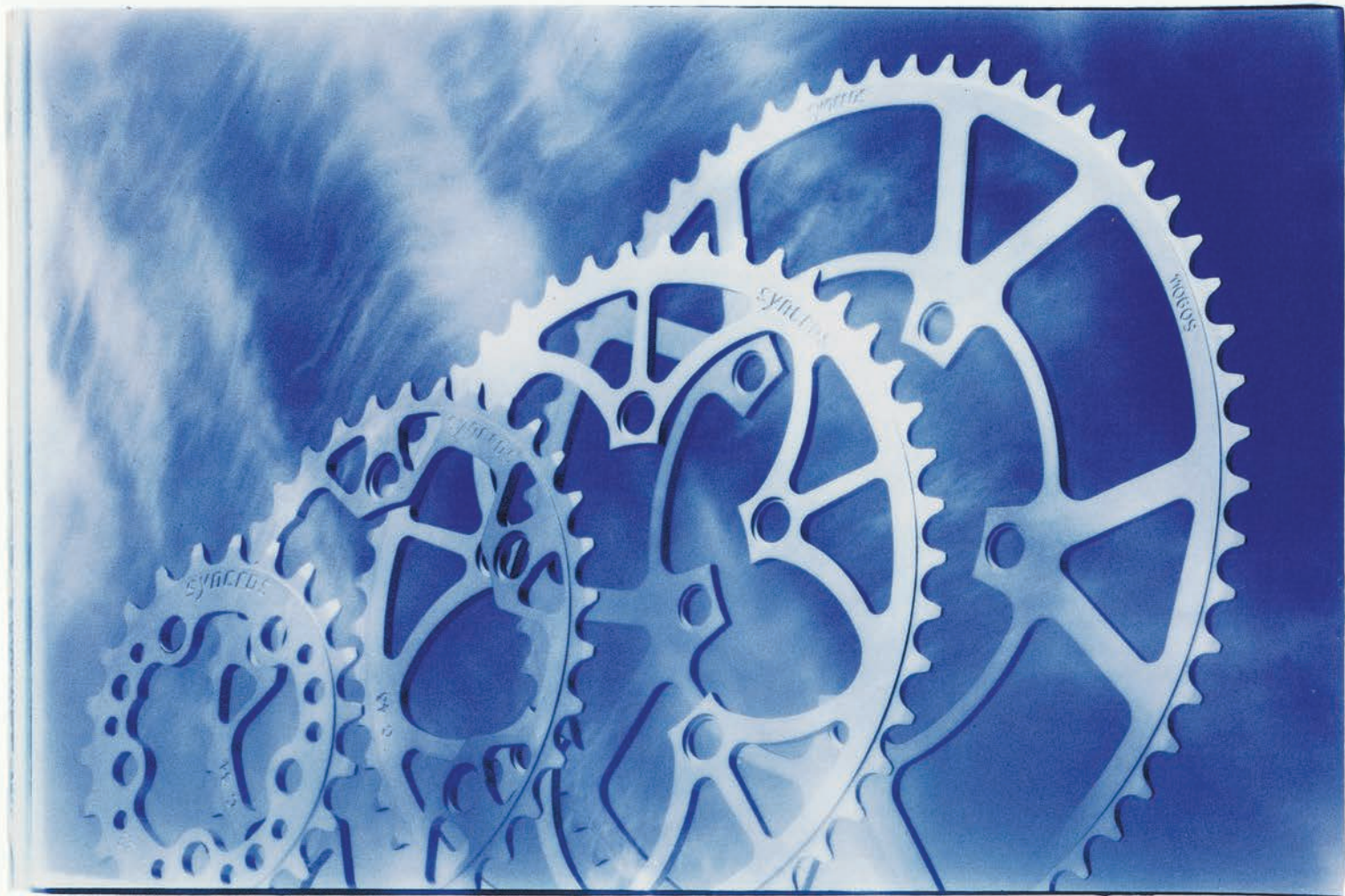
Precision CNC machined from heat-treated, hard-anodized 7075 aluminum, they're 2½ times stronger than the usual 6061T6. Which means less wear and chain deflection. All the while eliminating mass, rotational inertia, and minutes off your fastest time.



### **7075 ALUMINUM CHAINRINGS TECHNICAL SPECIFICATIONS:**

Material: Al 7075 T6 Aluminum alloy . CNC Machined and Hard Anodized.





# SEATPOSTS

When the top racers put their ass on the line, they do it on a Syncros post!

## **They may be nuts, but they're not masochists!**

Custom drawn from seamless Ti3Al2.5V titanium alloy aerospace tubing, our Ti pillar promises a noticeably plusher and cushier ride even in the most gruesome terrain. And our innovative twin-jacking bolt mechanism has been the inspiration for high performance posts around the world.

## **We really mean it has been copied.**

Designed to maximize the contact area with the saddle rails, it delivers optimal grip on your saddle during even the most insane descent. Meanwhile, the pivoting bolt design reduces stress and maximizes grip while delivering true infinite micro-adjustability. Thereby keeping you safely above the chaos, at a world-class 190g.

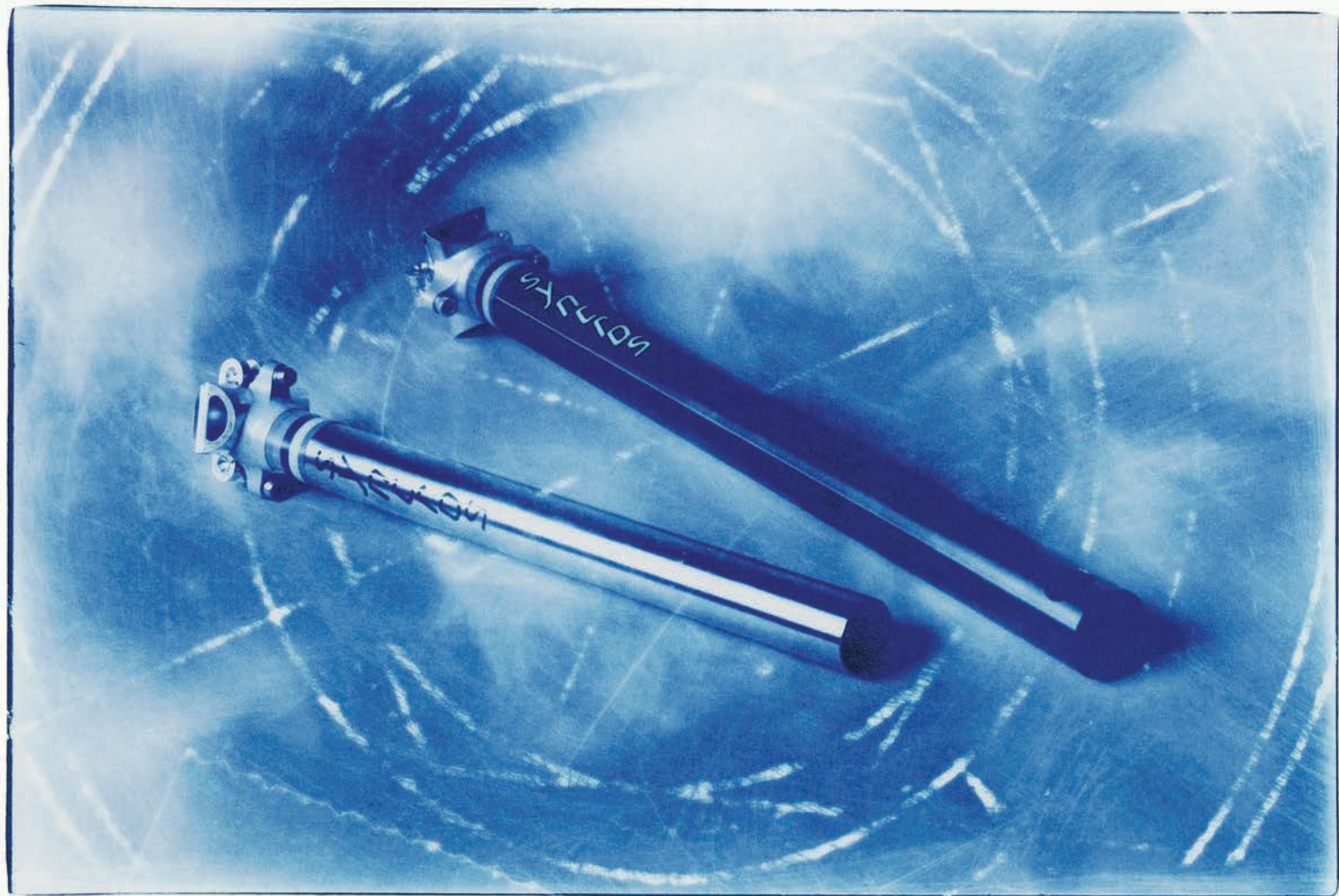
## **For bigger nuts.**

And the truly hardcore can rest their laurels on the bomb-proof 7075T78 aluminum post. Custom hard-drawn, heat treated and stress-relieved, it offers 5 times the shock absorbency of cromoly at an impressive 220g. And this year, we're introducing a more affordable 6061 aluminum version with the same world-famous Syncros clamp mechanism.



### **SEATPOSTS TECHNICAL SPECIFICATIONS:**

Material: Pillar:	Ti:	3Al2.5V Titanium alloy, heat-treated, natural finish
	Al 7075:	7075T78 - cold drawn seamless, hard anodized, black
	Al 6061:	6061T6 Al seamless, clear anodized
Bolts:		M5 x .8, BT16 Titanium, heat-treated, cold-rolled thread
Saddle:		Cold forged 7075 T76 aluminum
Cap:		Custom extruded 6061 T6 aluminum
Cradle:		Custom extruded 7075 T6 aluminum
Rotary Nuts:		Brass 360
Conical Washer:		Brass 360
Weight: Ti:		195g - 27.0 Ø x 330mm
	Al 7075:	220g - 27.0 Ø x 330mm
	Al 6061:	285g - 27.0 Ø x 330mm



# ALTRAX™ RIMS & SYNCROS TIRES

Introducing the next generation in rims.

## Modesty was never our strong suit!

Custom built by Weinman, our ballistic Altrax rims are designed to roll glory.

Conceived around a super-strong three (yes, three!) cavity design and unique twin-rib roll cage, Altrax rims generate 45% more torsional stiffness than any double-cavity rim in the world – allowing them to withstand the most cataclysmic horizontal, vertical and torsional loads.

## Which translates into speed.

After all, a stiffer and more resilient infrastructure adds up to less metal, less mass and less rotational inertia. And at a record-setting 400g, our superlight XLR is substantially lighter, stronger and faster than any so-called high performance twin-cavity rim. And for you truly beefy loads, there's the XLT's meatier side-walls at a paltry 435g.

## And even more speed.

Altrax's incredible strength also allows for fewer, lighter spokes. Which in turn, means even less rotational inertia, added acceler-

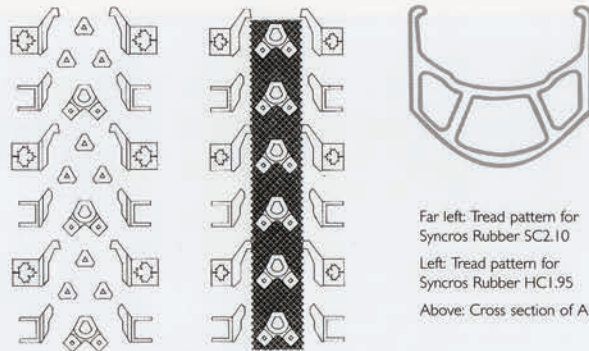
ation and yet another dose of head-snapping speed. And with new found speed comes the need for superior braking. So we engineered the hyper-deep sidewalls and textured brake tracks to generate the enhanced braking power you need to securely screech to a halt.

## The ultimate rubber.

Pull it on and discover the feel. The bite. The "je ne sais quoi."

Ingenuously designed with ramped centre lugs, our new Rubbers™ are guaranteed to smooth out your ride and deliver that extra braking bite.

Meanwhile, the aggressive side lugs will chew right through the mud and dirt for rail-like cornering and exceptional crud clearance. So whatever your girth, we've got the fit. From the HC1.95 (Hard Conditions) to the SC2.01 (Soft Conditions), in both kevlar and wire bead.



Far left: Tread pattern for Syncros Rubber SC2.10

Left: Tread pattern for Syncros Rubber HC1.95

Above: Cross section of Altrax™ rim

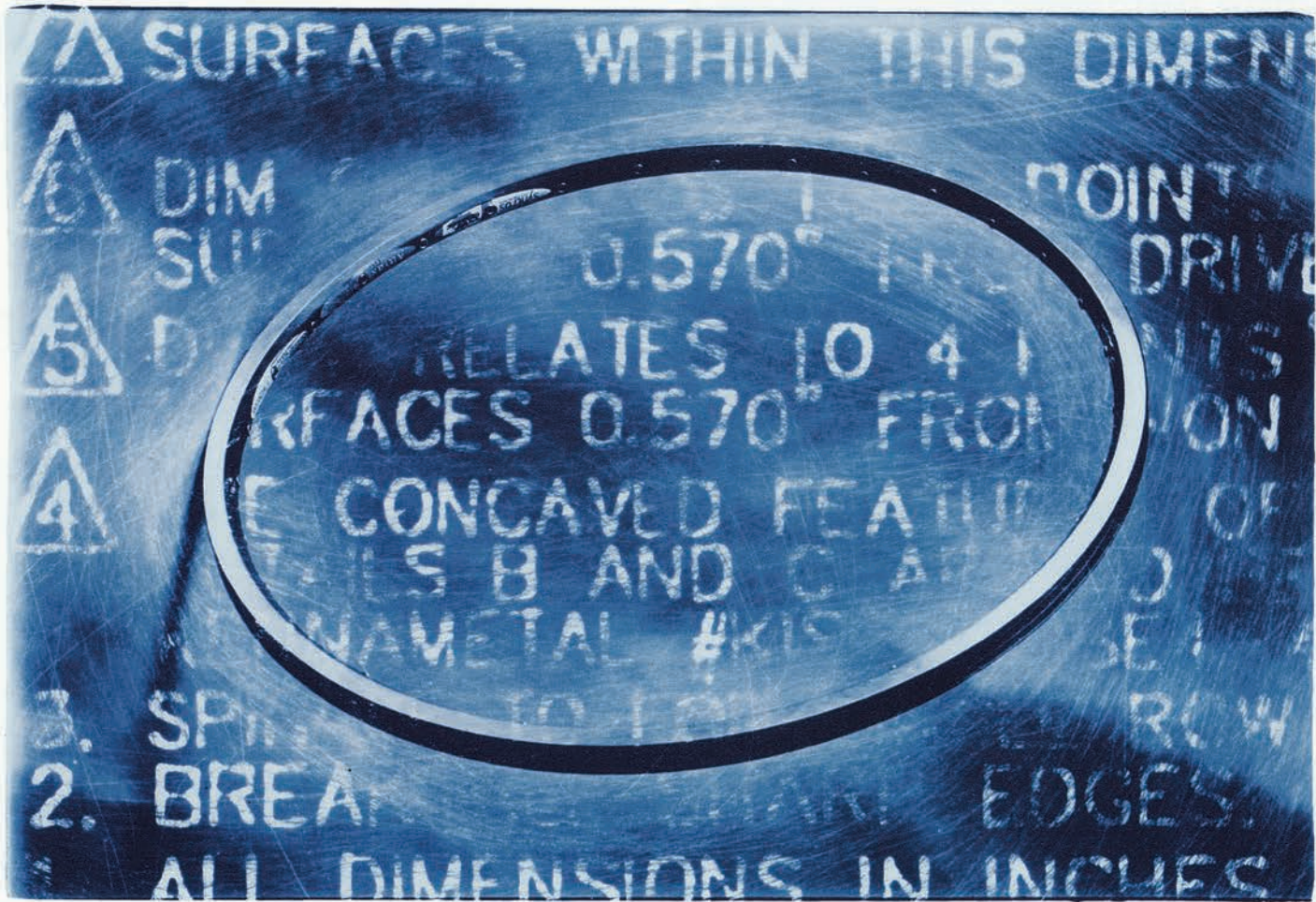
### SYNCROS ALTRAX RIMS TECHNICAL SPECIFICATIONS

Material:	Rim:	6005T5, black anodized, brushed sidewall
	Eyelets:	Stainless steel
Weight:	Altrax XLR:	400 g
	Altrax XLT:	435 g

### SYNCROS RUBBER TECHNICAL SPECIFICATIONS:

Material:	Casing:	Kevlar bead: High density polyamide fiber 125 T.P.I.	
		Steel bead: Polyamide fiber 65 T.P.I.	
	Tread:	Binary Function Compound (BFC) bidirectional, carbon black augmented natural rubber	
Bead:	Kevlar:	High tensile strength solid Kevlar	
	Steel:	High tensile strength unbraided steel wire	
	Chafer:	High durometer, conformable, strictly classified material	
Weight:	HC1.95:	Kevlar bead:	550 g
		Steel bead:	630 g
	SC2.10:	Kevlar bead:	640 g
		Steel bead:	720 g
Tire width*:	HC1.95:	44/47mm	
	SC2.10:	47/50mm	

\* Based on tire mounted on rim with 17mm inner width, first number: casing width, second number: outside knob width



1

SURFACES WITHIN THIS DIMENSION

2

DIM SURF

0.570"

POINTS DRIVE

3

D

RELATES TO 4 I

WIS

4

SURFACES 0.570" FROM

ION

CONCAVED FEATURE

OF

IS B AND C ARE

J

NAMETAL #KIS

SE

5

SPIN

TO 1/2"

ROW

6

BREA

EDGES

ALL DIMENSIONS IN INCHES

## SYNCROS RACING

They have no patience.  
Only demons.  
And a fierce disdain for time.  
It is a nemesis, to be defeated.  
A monster, to be outrun.  
They are chased by spirits  
Of their own making.  
Living in fear of the unseen.  
They smile when they're suffering.  
And their only antidote is speed.

They are mad.  
Peer into their eyes.  
Beyond the bronze skin  
And demented smiles.  
They see only one thing.  
Not you. Nor each other.  
Only demons. Only the enemy.  
Compelling them to go faster.  
Frightening them to find more speed.  
And rightly so.

Time is ruthless.  
In the end, it prevails.  
But for now, victory is theirs.  
Until that unthinkable moment,  
When the beating is upon them,  
and time passes them by.  
Still, they race against their demons.  
And in us they put their faith.

Alison Sydor 3 time World XC champ,  
Olympic Silver Medalist, Miguel Martinez  
Olympic Bronze Medalist, '95, '96 World  
XC Silver Medalist, '94 World XC Bronze  
Medalist, Missy Giove '95, '96 World Cup  
DH champ, '94 World Champion, Anne  
Caroline Chausson '96 World DH  
Champion, 3 time Jr World DH champion,  
Tinker Jaurez '94, '95 Norba XC National  
Champ, US Olympic team member. All of  
Team Sunn Nike, Volvo Cannondale, Polo  
Ralph Lauren, K2 and countless dedicated  
roots riders.

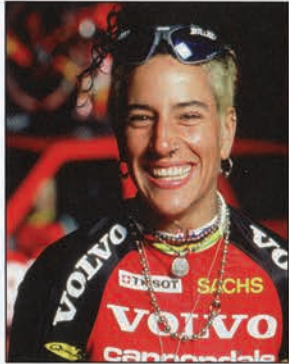
The Sunn logo features the word "Sunn" in a bold, black, blocky font with a white outline. A small yellow star with the letter "R" is positioned at the top right of the "n".

The Nike logo is the classic swoosh, a black curved shape that tapers at both ends.

**POLO SPORT**  
RALPH LAUREN  
  
WORLD CUP MOUNTAIN BIKE TEAM

The K2 BIKE logo consists of the letters "K2" in a large, bold, yellow font with a red outline, set against a black background. Below "K2" is the word "BIKE" in a smaller, white, sans-serif font.

**VOLVO**  
**cannondale**  
MOUNTAIN BIKE RACING TEAM



# HUBSETS

## The hard truth.

It's not the shell diameter that makes you stiff. In fact, it's the strength of the axle.

## This'll make you stiff.

Unlike those overpriced, oversized three-piece hubs that can't help but flex under load, we CNC-machine ours from a solid 7075 aluminum billet for incomparable rigidity and strength. Which means our independently sealed precision-ground cartridge bearings will be spinning perfectly for several millennia to come.

Coupled with a new, massive 17mm ceramic coated Zicral axle and a brilliant new adjustable bearing preload mechanism, our front hub delivers pinpoint accurate tracking without the premature wear and wheel flop associated with suspension forks. All at an astonishing 125 grams.

## And now, something new for your rear.

A new Syncros rear hub, that is. Combining our indestructible one-piece shell design with a vault-like clutch mechanism protected by 10 independent rubber seals and 2 labyrinth seals, it's the ultimate in indestructible rotational momentum at a magical 315 grams.

## So don't get stiffed.

Because rear hubs are notoriously susceptible to dirt and crud. And once the clutch mechanism is contaminated, you and your hub are hooped.

And since it's compatible with Shimano XT, 8-speed XTR and 9-speed Dura Ace, we've got the hub to keep the competition off your butt.

### FRONT HUB & FRONT HUB DH TECHNICAL SPECIFICATIONS:

Material:	Hub Shell:	Al 7075 T6 CNC machined and hard anodized, black.
	Lock Nuts:	7075 T6 hard anodized.
	Axle:	Zicral alloy, heat treated CNC machined, ceramic coated
	Bearing Locks:	Delrin™ advanced thermoplastic polymer
	O-Rings:	Buena Nitrile - 70 Durometer
	Quad rings:	Buena Nitrile - 70 Durometer
	Bearings:	INA 61903 - 2RS.
Weight:		130g
Sizes:	Drilling:	32, 36, hole
	Compatibility:	Spoke hole pitch diameter: 42 mm
	Flange Spacing:	70.5 mm





#### REAR HUB TECHNICAL SPECIFICATIONS:

Material: Hub Shell: Al 7075 T6 CNC machined and hard anodized, black.  
Lock Nuts: Al 7075 T6 hard anodized, black  
Dropout grips: 303MX stainless steel  
Axle: Zircal alloy, heat treated CNC machined, ceramic coated  
Freehub body: Al 7075 T6 hard anodized, gold  
Torque tube: SAE 4340, CNC machined, heat treated steel  
Ratchet ring: SAE 4340 heat treated steel  
Bearing locks: Delrin™ advanced thermoplastic polymer  
Shielding blocks: Delrin™ advanced thermoplastic polymer  
O-Rings: Buena Nitrile -70 Durometer  
Quad Rings: Buena Nitrile -70 Durometer  
Bearings:  
1 - INA 61903 - 2RS  
2 - INA 60012RS  
2 - INA 618052RS double row angular contact

Weight: 315 g

Sizes: Drilling: 32, 36, hole  
Compatibility: Spoke hole pitch diameter: Non-Drive - 44.5 mm  
Drive - 49.0mm  
Spoke lengths with Syncros Altrax rims:  
Drive side 3 cross: 262mm  
Non drive side 3 cross: 264mm  
Non drive side radial: 251mm  
Flange Spacing: 56 mm



# HEADSETS

## The Syncros headset is a study in precision

Custom CNC-machined to the highest tolerances in the mountain biking world, this finely tuned and impermeable device is the embodiment of meticulous craftsmanship where it matters most.

## One glance is enough.

Crafted from high-strength 7075T6 aluminum, encased with the impact-resistant Snap-on Delin™ boot, super slippery Teflon™ piston ring and positive contact O-ring to keep grunge out of the lower bearing, the Syncros headset will have the heads turning smoothly for many years to come.



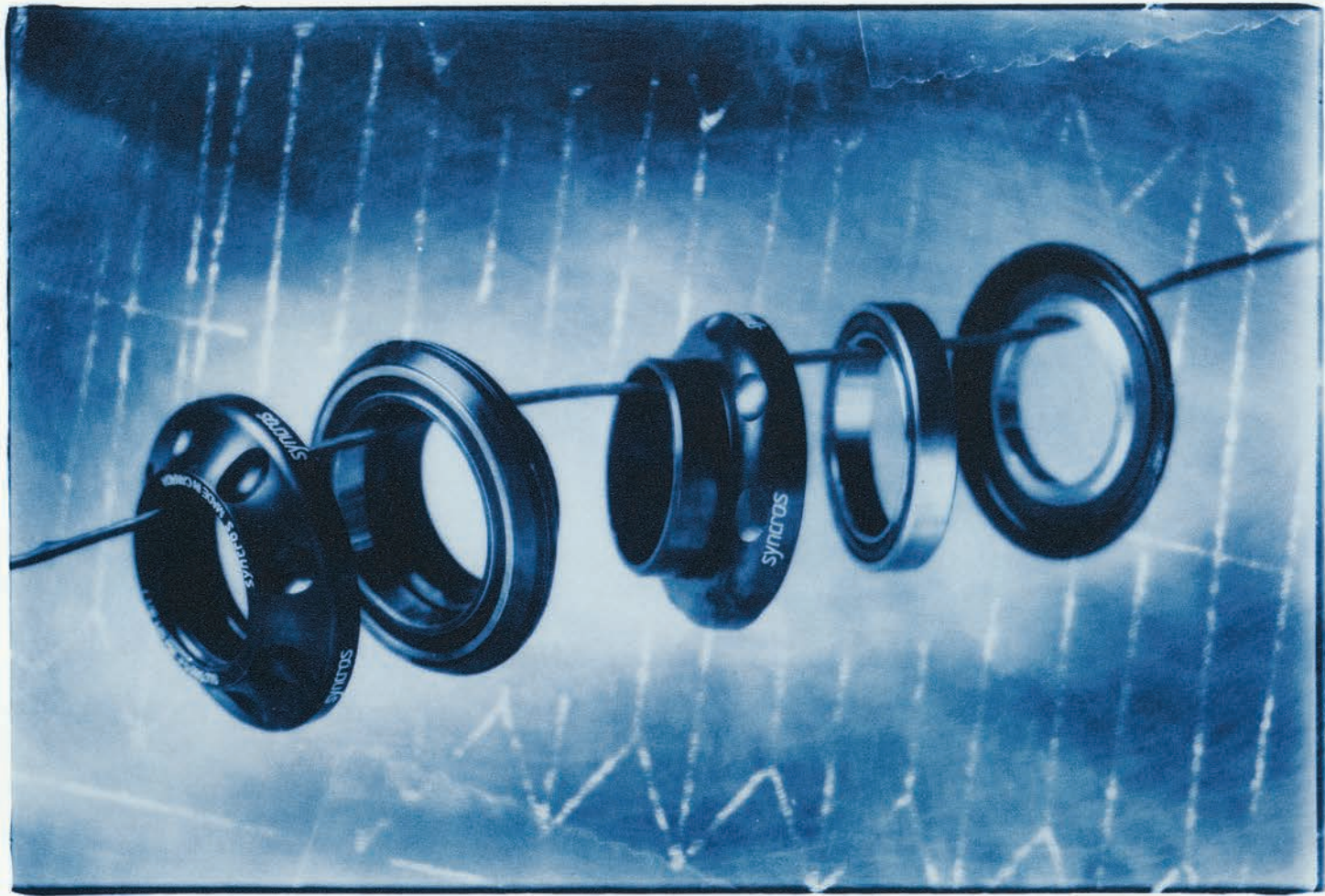
## It's like butta'.

The penultimate in smooth. Thanks to double-sealed bearings up top and double-sealed bi-directional angular contact bearings (otherwise known as "The Mother Of All Bearings") below, to handle that relentless jack-hammering coming from the front wheel. Meanwhile, precision-machined cups deliver perfect bearing fit – with no fretting, misalignment, or freezing in the frame. Just a magnificently crafted and impervious unit, at a flawless 120g.



### HEADSET TECHNICAL SPECIFICATIONS

Material:	Top race & cups: Black hard anodized 7075 T6 aluminum alloy CNC machined
Boot:	Delrin advanced polymer
Bearings:	Upper: INA radial-contact, double-sealed cartridge Lower: INA custom, bi-directional, angular-contact, double sealed cartridge
Crown race:	17/4PH stainless steel, heat treated CNC machined
Lower seal:	Teflon backed with Nitril O ring spring
Weight:	120 grams -1-1/8" Ø
Sizes:	1", 1-1/8" Ø Threadless



# STEMS

## Here's a trade secret.

They'll deny it, but most people choose their stems based solely on weight and looks.

## That's because they've never ridden one of ours.

Granted, ours are among the sexiest and lightest around, at a stunning 190g for the Aheadset model. But there's more.

## Study one.

Study the shape of the massive differential-ly tapered bioval hard-drawn 6061T6 aircraft grade aluminum extension tube. It's actually composed of two differently shaped ovals.

## We call it "bioval".

A taller and narrower oval on the rider side to provide maximum vertical stiffness and resistance to bending. Which means maximum power transfer and control during even the most gruelling out-of-the-saddle grinds. Conversely, the oval on the handlebar side is wider and flatter to provide heightened lateral rigidity, increased torsional resistance, and the ultimate steering control. Meanwhile the unique proper-

ties of the high strength, low modulus aircraft alloy absorbs energy, damping out vibration and smoothing out even the gnarliest rides.

## And for those looking to become unhinged.

Introducing our hinged series. Allowing for instantaneous bar switches in a virtual flash, it features an indestructible hinge mechanism with a heavy-duty nickel stainless steel hinge pin design. The ultimate in versatility, it's compatible with either multi-position or downhill bars, for when you're really looking to go over the top.



## HINGED MOUNTAIN AHEAD & HINGED MOUNTAIN QUILL STEMS

### TECHNICAL SPECIFICATIONS:

Material:	Stem:	Wrought 6061T6 aluminum alloy, hand TIG welded solution heat treated & artificially aged
	Front Clamp:	6061T6 heat treated aluminum, CNC machined & hard anodized.
	Hinge Pins:	Heavy duty nickel stainless steel
	Pinch bolts:	4340 Cromo, heat treated, zinc plated
Finish:		Matte black epoxy powdercoat or polished

### HINGED MOUNTAIN AHEAD STEM:

Adjustment bolt:	M6.0 x 1.0, grade 8.8, zinc plated
Cotter:	7075T73 aluminum
Cotter bolt:	M6 x 1.0, grade 12.9, zinc plated
Cap:	Nylon Glass Composite
Wedgeloc:	Die cast Aluminum alloy, Thread: M6 x 1.0

Weight: 190g - 120 x 0° x 1" Ø polished

### HINGED MOUNTAIN QUILL STEM:

Material: Expander bolt: Ceramic coated Zircal alloy Thread: M8 x 1.0 cold rolled

Weight: 215g - 120 x 0° x 1" Ø quill, polished





## MORE STEMS



### MOUNTAIN AHEAD STEM TECHNICAL SPECIFICATIONS:

Material: Stem:	Wrought 6061T6 aluminum alloy, hand TIG welded, solution heat treated & artificially aged
Pinch bolts:	M5 x 1.0, 4340 Cromo, heat treated, zinc plated
Adjustment bolt:	M6.0 x 1.0, grade 8.8, zinc plated
Cotter:	7075T6 aluminum
Cotter bolt:	M6 x 1.0, grade 12.9, zinc plated
Cap:	Nylon Glass Composite
Wedgeloc:	Die cast aluminum alloy
Thread:	M6 x 1.0
Weight:	210g - 120 x 0° x 1" Ø polished
Finish:	Matte gunmetal epoxy powdercoat



#### CLASSIC ROAD RACING STEM TECHNICAL SPECIFICATIONS:

Material:	Stem:	Wrought 6061T6 aluminum alloy, hand TIG welded solution heat treated & artificially aged
	Pinch bolt:	4340 Cromo, heat treated, zinc plated
	Expander bolt:	Ceramic coated Zicral alloy Thread: M8 x 1.0
Weight:		200g - 110mm
Sizes:	Length:	70 - 150mm x 10mm (110 - 130 x 5mm)
	Angle:	-17.5o
		0.0o
	Quill Ø:	22.2mm
	Clamp Ø:	26.0mm, 26.4mm
Finish:		Matte black epoxy powdercoat or hand polished



#### ROAD RACING AHEAD STEM TECHNICAL SPECIFICATIONS:

Material:	Stem:	Wrought 6061T6 aluminum alloy, hand TIG welded solution heat treated & artificially aged
	Pinch bolt:	4340 Cromo, heat treated, zinc plated
	Adjustment bolt:	M6.0 x 1.0, grade 8.8, zinc plated
	Cotter:	7075T6 aluminum
	Cotter bolt:	M6 x 1.0, grade 12.9, zinc plated
	Cap:	Nylon Glass Composite
	Wedgeloc:	Die cast aluminum alloy Thread: M6 x 1.0
Weight:		200g - 110mm
Finish:		Matte black epoxy powdercoat or hand polished

# HANDLEBARS

No other manufacturer cold-forges the bulge part of the bar.

## **Ironic, really.**

Because while they cold-forge the ends of their bars, the middle is simply bulged. Unfortunately, bulging thins out the metal. And that could be disastrous, since the bulge is the most highly stressed section of the bar.

By cold-forging the entire bar, we're able to create a unified wrought directional micro-structure that runs the entire length of the bar. That reduces the stress concentration between the handlebar and the stem by a factor of 5. The result is a far stronger and more secure bar than any other in the riding world.

## **Without being compromised at the bulge.**

And without sacrificing comfort. That's because the energy absorbing characteristics of the custom hard-drawn, heat-treated Easton 7075T78 aerospace tubing damp vibration and absorbs shock on the bumpiest of grinds.

The same goes for our lightweight 155g titanium racing bar. Hard-drawn and heat-treated from aircraft certified Ti3Al2.5V titanium, this bomb-proof wonder delivers world-class shock absorption for those truly bone-jarring rides.

## **And now, for the really bent.**

On speed, that is. It's our new, double-bend alloy bar. Which is just what the doctor ordered for those bent on a fine-tuned riding position and the ultimate in speed.



### **TITANIUM HANDLEBARS TECHNICAL SPECIFICATIONS:**

Material: 3AL2.5V titanium alloy, heat-treated, hand polished, natural finish.  
Weight: Ti - 155g  
Bends: 5° bend, 0° unbent.

### **ALUMINUM HANDLEBARS TECHNICAL SPECIFICATIONS:**

Material: Easton Ea 70 cold drawn, bulge formed, taper wall aluminum.  
Weight: 145 grams  
Bends: 5° bend, 0° unbent  
Finish: Black or clear: anodized over satin surface finish.

### **DOUBLE BEND BAR TECHNICAL SPECIFICATIONS:**

Material: Bar: 2014T6 wrought aluminum alloy  
Brace: 6061T6 aluminum, heat treated  
Width: 24.5"  
Rise: 1.5"  
Sweep: 10.5°  
Weight: 276g bar only  
382g bar & brace  
Finish: Matte black anodized





# BADGOODS™

## Bad news.

The threads speak for themselves. Crafted from the latest technical fabrics, wind-proofing, laminates, Kevlar reinforcements and breathable polyesters known to the unfashionable world, they'll shine through the most brutal partying excess. But then, isn't it time somebody put some funk into function?

## It's about time.



# syncros®



**ART DIRECTION, DESIGN & PRODUCTION:**

Alchemedia Design Group, Vancouver, B.C.

**PHOTOGRAPHY & PHOTO-ILLUSTRATION:**

Lorne Bridgman @ Lucida

Except:

Bad Goods™ by Hot Digital Dog

Ralph Lauren Polo: Team photos

Sunn Racing: Team photos

**PROSE:**

Nicholas Racz

**PRINTED BY:**

Hemlock Printers Ltd., Burnaby, B.C.

The following trademarks are owned by Syncros Applied Technology Inc.: Crank-O-Matic, Hammer & Cycle, Powerdisc, Power Zit, Hang Doggy, Syncros, Bad Goods, Rubber.

Printed in Canada on recycled paper.

© 1997 Syncros Applied Technology Inc.

## WORLDWIDE DISTRIBUTORS

### AUSTRALIA

Cadence Sports  
Box 6071, 27 Skarratt St, Silverwater NSW 2128  
Tel: (61) 2-9737-8397, Fax: (61) 2-9737-8587

### AUSTRIA

Trendsport  
A-6911 Lochau, Postfach 66  
Tel: (43) 5574-471-47, Fax: (43) 5574-471-473

### BENELUX

Vertex Cycle Systems  
Flemingstraat 100a, 2041 VL Zandvoort  
Tel: (31) 2507-1-81-84, Fax: (31) 2507-1-86-06

### CANADA

Outdoor Gear Canada  
2708 rue Diab, Ville St Laurent, Quebec H4S 1E8  
Tel: (514) 332-1320, Fax: (514) 335-1691

### CANADA (RIMS ONLY)

Cycletech (Div. of Bell Sports Canada Ltd.)  
700 Chemin Bernard, Granby, PQ, J2G 9H7  
Tel: (514) 378-0452, Fax: (514) 378-9934

### CZECH REPUBLIC

Ultrasport  
kpt Jarose 14, 568 02 Svitavy, Czech Republic  
Tel: (42) 461-24461, Fax: (42) 461-23050

### DENMARK

Bike Toyz  
Mejlgade, 8000 Arthurs C.  
Tel: (45) 8612-5931, Fax: (45) 8612-5932

### ESTONIA

R Cycles  
Hameenpuisto 8, 33210 Tampere, Finland  
Tel: (358) 3-253-9700, Fax: (358) 3-253-9750

### FINLAND

R Cycles  
Hameenpuisto 8, 33210 Tampere  
Tel: (358) 3-253-9700, Fax: (358) 3-253-9750

### FRANCE

Sunn  
ZI Ouest, 31800 Saint Gaudens  
Tel: (33) 61-94-85-85, Fax: (33) 61-94-85-78

### GERMANY

Bike Action GmbH  
Groß-Umstadter Str. 28a, 64807, Dieburg  
Tel: (49) 6071-92-34-0, Fax: (49) 6071-8-16-05

### GREECE

Gatsoulis Stefanos Imports  
8 Thessalonikis Str., N. Philadelphia, 148 42 Athens  
Tel: (30) 1-2512-779, Fax: (30) 1-2533-960

### ITALY

Comar Italia Srl  
Via G. Pascoli 4, 24020 Gorle (bg)  
Tel: (39) 35-30-25-02, Fax: (39) 35-30-07-47

### JAPAN

A&F Corporation  
1-1-9 Okubo, Shinjuku-ku, Tokyo 169  
Tel: (81) 3-3209-7575, Fax: (81) 3-3209-7250

### MALAYSIA

Ewan Private Ltd  
257 Selegie Rd, 01-261 Selegie Complex, 0718  
Tel: (65) 336-8311, Fax: (65) 339-9119

### NEW ZEALAND

Cadence Sports  
Box 6071, 27 Skarratt St, Silverwater NSW 2128  
Tel: (61) 2-9737-8397, Fax: (61) 2-9737-8587

### NORWAY

Quality  
Bergmannsveien 600, 3600 Kongsberg  
Tel: (47) 94-34-23-27, Fax: (47) 32-76-71-50

### SINGAPORE

Ewan PTE  
257 Selegie Rd., #01-297, Selegie Complex, 0718  
Tel: (65) 339-7388, Fax: (65) 339-5168

### SPAIN

Importmania  
C/Palencia, 20 28020, Madrid  
Tel: (34) 1-553-87-44, Fax: (34) 1-534-38-70

### SWEDEN

Plus Import  
Box 73, S-151 21 Sodertalje, Sweden  
Tel: (46) 8-84-95-89, Fax: (46) 8-499-83-83

### SWITZERLAND

Agentur Felix AG  
Sonnenhalde 7, Bettwiesen TG  
Tel: (41) 73-22-66-16, Fax: (41) 73-22-66-29

### UNITED KINGDOM

Caratti Sport Limited  
1180 Aztec West, Bristol, BS12 4J  
Tel: (44) 454-202-600, Fax: (44) 202-525

### USA

Syncros Applied Technology Inc.  
975 Vernon Drive, Vancouver, B.C., Canada V6A 3P2  
Tel: (604) 253-5204, Fax: (604) 251-4506

### USA

G. Joannou Cycle  
151 Ludlow Ave, Northvale, NJ, 07647  
Tel: (201) 768-9050, Fax: (201) 768-9520

### USA

Merry Sales Co.  
1415 San Mateo Ave, South San Francisco, Ca, 94080  
Tel: (415) 871-8870, Fax: (415) 589-1222

### USA

Provelo  
3550 N. Union Drive, Olney, Il, 62450  
Tel: (618) 395-3840, Fax: (618) 392-2956

### USA

Quality Bicycle Products  
6400 S 105th St, Bloomington, MN, 55438-2554  
Tel: (612) 941-9391, Fax: (612) 941-9799

### WINCHELSEA ISLANDS

One Over Distributing  
PO Box RUI2, Kikameaghse, 782537  
Tel: (666) 438-7525, Fax: (666) 438-2388



# SYNCROS®

975 Vernon Drive, Vancouver, B.C. V6A 3P2 Canada • [www.syncros.com](http://www.syncros.com)