



OZONE
ALL SEASONS»ALL KITESPORTS

2008
MODELS

OZONE INSTINCT'S 2008

>> LIGHT II – SPORT II – EDGE II



➤ The original Instinct, launched in April 2006, represented a unique breed of kite that was a completely new innovation to the market at that time.

It was the first flat kite in the World designed without pulleys in the kite or the bar, yet offered total depower with light bar pressure. It was also the first kite to depower fully, all within a rider's arm reach. (The bar did not have to release 2-3m's away from the rider as was the norm in 05/06)

Ozone has grown from strength to strength, proving in 2007, with the introduction of three new models, that our entry into the LEI market with the 2006 Instinct was no fluke.

Building on that success, the 2008 range is set to cement the Ozone tradition of only releasing class leading products. Ozone was formed in 1999 with a World class team from the Wind/Airsports industry. The Ozone team has vast experience in aeronautical design which is evident; we are leaders in the Paragliding, Landkite and Snowkite industry creating innovative legendary products.

Ozone is also one of the only brands in the World to own and manage its own factory. The factory is managed full time by Instinct designer, and Ozone co-founder, David Pilkington (Dr. in Aerodynamics).

This gives us an un-matched advantage in quality and attention to detail that has become legendary for our products.

Ozone's quality is just that, our own meticulous approach to engineered construction or as we like to think un-hyped philosophy to our kite design.

The LIGHT II, SPORT II & the EDGE II are completely new design's for 2008, I'll leave it to David to fill you in on what, how and why on the following pages.

To compliment the 08 range, we spent over one year creating a D-Power Loop that has an array of features for ease of use for all levels of riders, and combined it with new composite bar ends with in-laid Eva foam to make them easy on your hands. Hugh Pinny, our in-house design engineer, has created a complete control system that will leave you grinning from ear to ear.

Be sure to contact your local Ozone distributor to organise a demo and feel the Ozone difference for yourself . . .

Many thanks to all our loyal customers and our Team all over the World, wishing you a windy 2008.

Cheers, Matt.

ALL SEASONS»ALL KITESPORTS



THE HISTORY OF THE INSTINCT RANGE

BY DESIGNER DAVID PILKINGTON

Wow that sounds like a grand statement, but that is how it feels. Since the beginning of the Instinct kite in 2006, my aim has been to design kites that I like to fly. Simple really, but it has taken a journey to get to this point.

Back in the beginning life was simple! Well, it seems it now. All we had to do was design a flat kite, or SLE, or Bow Kite, or Hybrid or whatever you like to call the modern style of kite. Personally I don't care what it is called, as giving them a name immediately limits their potential. Oh, and also start a production team at our Vietnam factory to make these kites of course.

Those were the days.

Why bother telling you this – well, not for any sympathy that's for sure, but simply to say thanks to everyone who bought the 06 Instincts. Thanks for believing in us to produce quality kites both in terms of design and manufacture.

But even as we launched the 06 range, I knew there was a lot more available from the kite. So I set about developing the 07 kites. Through the summer of 2006 I tried various combinations of struts and sail panels. What emerged were 3 very different kites. During the design, I had seen that I could make a kite with 3 struts work, and having watched the local schools struggle to teach on other kites, I realised this 3-strut kite would be the answer, whilst the high aspect 7-strut kite would make other kites smile with its speed and performance.



THE 2008 DESIGNS

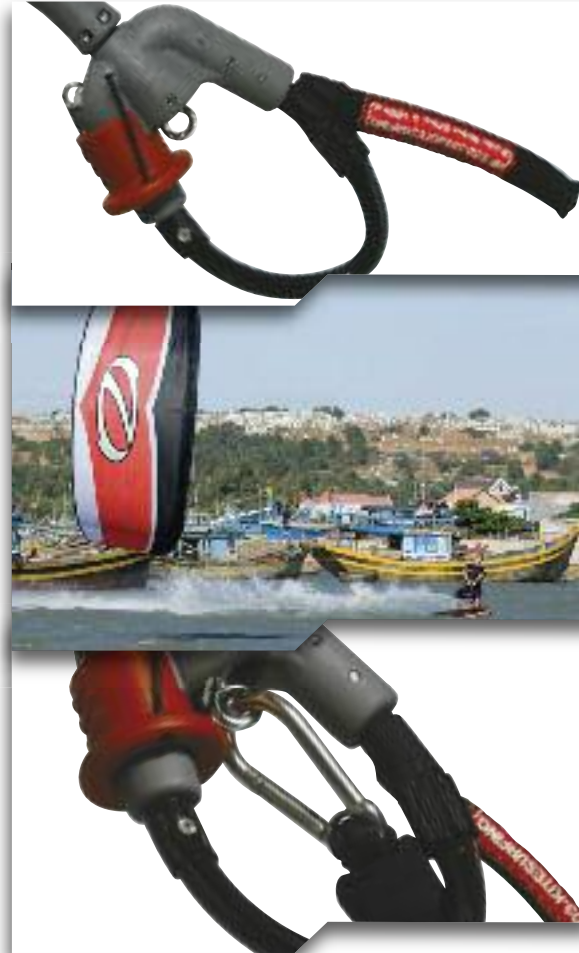
Wow... So where to start explaining? The original idea was to make a pure light wind kite, a new model in the range.



My basic idea was to make the kite as light as possible, with super thin struts and leading edge, no reinforcing on the sail, no Dacron in the tip, nothing added that wasn't needed. Doing all this saved 1/3 the weight and sure enough the kite could be used in lighter winds from around 7 knots up. But the kite was not so good in stronger winds. So this kite was stopped as a product.

But like all failures, good things came from it. I had seen where the limit was on tube sizes and had worked on a new section profile for the kite and tip shape. So, starting from the 07 kites, I added these features to the kites, just not as radical as on the light wind kite and so the basis for the 08 kites was there. Sorry if this sounds boring, but sometimes design is a matter of step by step changes and what I have just written in this paragraph has actually taken 6 months of work. Next came the process of refining the new kites shape and trimming, a further 6 months of testing.

So if that is the summary of the work, here are the details of the changes to the 08 kites. Sorry if this next bit sounds like marketing bullshit, guess that is what happens when you write down what has changed and what is better than before!





GENERAL CHANGES

It's kind of hard to choose which point to start with as the main changes are all related. Without one, others would not have been possible or have worked, so this description may seem like a circle that goes round and round, but as I say, often design is like that – you change one thing which then lets you look again at another and then another, which then leads back to the first thing you changed which can then be further refined. Round and round we go, where we stop is . . . well, that comes later!

1 THINNER LEADING EDGE TUBE

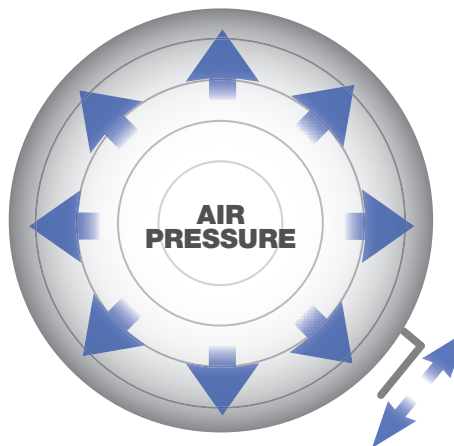
This came directly from the work on the light wind kite.

I had seen how thin I could go on the tubes, and so set about putting on the kites. There are several advantages to having thinner tubes:

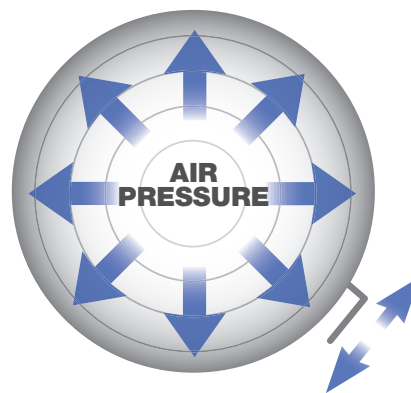
- a) less material so lighter kite.
- b) lighter kite means takes less wind to keep it flying.
- c) lighter kite also means it takes less energy to turn it.
- d) thinner tubes also mean less air inside them.

Although this doesn't really make it lighter (warning: physics content ahead) it does mean that the kite has less 'mass' and hence less inertia, so when you want to change direction of the kite, i.e. turn it, there is less inertia to this change and it turns faster.

- e) thinner tubes also mean less drag from the kite, less drag means more speed is retained and the kite flies better as a result.
- f) an extra benefit from thinner leading edge is that if the kite is one-pump, then you can increase the pressure of the front tube and hence the pressure in the struts (thankfully as they need it) without splitting your front tube open with all the force on the seam. Sorry, more physics content ahead: Pressure is the force applied over an area. So the bigger the area of cloth (i.e. the larger the tube diameter and hence circumference of the circle) then the more force is applied to the cloth. Make the tube thinner then the pressure of the air inside has less area to act over and hence the force on the closing seam on the front tube is less, or you can keep it the same as before but gain in having more pressure in the tube. More pressure in the main tube means more pressure in the struts so they become more hard and support the sail better. This then allows the section profile of the kite to be altered to be more efficient etc. Wow, long explanation sorry.
- g) thinner front tube also makes the kite more flexible, less stiff as the front tube can twist more. Helps with the feeling in the turns especially.



Big diameter means big area for pressure to act on means big force on seam closing the tube.



Smaller diameter means smaller area for pressure to act so can have more pressure inside for same force on the seam.

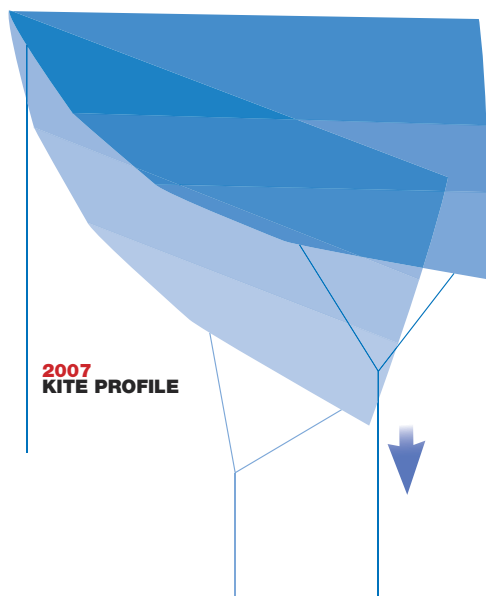


2 ONE-PUMP ON ALL MODELS

The Sport already had it for 07 and so we are happy with the system we are using. So for 2008 we have added one-pump to both the Edge and the Light. By reducing the size of the front tube, it's now possible to get the struts good and hard, as well as the front tube, as the size difference between the leading edge tube and struts is less.

3 NEW TIP SHAPE

The wingtips are now shorter and have a continuous smooth radius; this increases turning speed, aids relaunch and puts more power at your disposal compared to our 07 kites. Above all, as the kite can move through a larger angle and with more control, the depower feels much more direct: it's like an accelerator pedal.



**2007
KITE PROFILE**



**2008
KITE PROFILE**

Can move through
larger angle, more
control.

4 NEW SECTION PROFILE

Because of the changes to the tubes, I was also able to experiment with different profiles on the kite. As a result, the performance of the kite has been increased and the sail is more efficient than the 06 and 07 models.

So anyway, those are the main changes to all the kites, but what does it mean in specifics to each kite and how they feel, well here goes.

There is really only one way to know
what you think, that's to try them!

A full-page photograph of a kitesurfer riding a wave. The kitesurfer is in the lower center, wearing a black wetsuit and riding a white board. A large, green and black kite is in the upper center. The background shows a rocky coastline and a blue sky. The text 'INSTINCT LIGHT II' is overlaid in large white letters, with 'EASY, FUN AND PROGRESSIVE' in smaller white letters below it. A red arrow points to the word 'INSTINCT'.

➤ INSTINCT LIGHT II

EASY, FUN AND
PROGRESSIVE

Rider: Marten Björnsson Location: Cape Town, SA

>>Instinct Light II



➤ The Instinct Light II is designed to be light in weight thanks to only having 3 struts, the perfect entry level affordable kite for new riders and schools. But do not be fooled into thinking this is a basic kite, all our pro riders have the Light II 5, 7 & 9m in their quivers either for waves or to help them dial that new difficult trick.

The Light helps riders either starting out in our sport or for those riders looking for an easy to use kite that inspires confidence, which means your skill level will accelerate faster.

If you are a solid intermediate struggling to ride unhooked/kite loop/waves and want to move up to your next level try the Light, you will be pleasantly surprised.

New for 2008 is the addition of a 14m size that rocks in light winds. The speed of turn in all sizes is much improved making this a good Freeride kite – kite loops are super easy!

In general, all the Lights are faster this year which makes them really nice for general riding. Also, being even lighter in weight than before, they all start flying at a lower wind speed. And this is why I stopped the specific light wind kite project. Basically, take a Light 14m instead. To me, this and the Sport 15m (new one, see Sport II info) are light wind kites.

>>SIZES

3, 5, 7, 9, 12, 14m

>>2008 COLOURS





INSTINCT SPORT II

FREERIDE WAKESTYLE

Rider: Sigve Bothen Location: Phang Rang, Vietnam

>>Instinct Sport II



➤ The Sport II is the ultimate Freeride kite suited for the widest range of riders, super fun, huge pop, great in the waves - this medium aspect kite with 5 struts can do it all.

I think people will really like this kite this year. Basically they are faster, turn better and have a better feeling in the bar.

I know, I know, same as everyone else writes, but I can not think of a better way of putting it. As I said above, for me, one of the big differences with the 08's is that even lighter weight riders can take the kites out in very light winds and enjoy them.

They don't feel like driving a bus!

The new tip shape has allowed me to trim the kites so the feel of depower is more direct in the bar and it feels like you have an accelerator pedal. To me, this makes the kite easier to understand and fly.

The new Sport really keeps pulling round the turn, especially in light winds, keeping the energy and speed. I think it may be a hard job to convince people that the 15m is a good light-wind kite but if you try it, I think you will be surprised.

We have added a Sport II 5m for 2008, this kite is great fun and will be loved in the waves and nuku winds.

>>SIZES

5, 7, 9, 11, 13, 15m

>>2008 COLOURS





➤ INSTINCT EDGE II

MONSTER HANGTIME
SPEED

Rider: Twan Lieshout Location: Mui Ne, Vietnam

INSTINCT EDGE II

>>Instinct Edge II



➤ The Edge II is not just suited for experts, it's surprisingly easy to fly and super stable despite its high aspect, 7 strut design. The Edge II is a very dynamic and beautiful "Wing" to fly and generally becomes the kite of choice for any solid rider that demo's it.

Hell I love this kite. Sorry, but I do. Main improvements this year I would say are better feeling in the bar, especially through the jumps (there is more depower in the bar so better feeling of control); kites are even faster than last year (try the 7m and you will see what I mean), and to me, they jump even easier now!

This is still my kite of choice.

>>SIZES

7, 9, 11, 13m

>>2008 COLOURS



“

So there you go, that's it really.
I hope you like them, I hope
they bring you BIG smiles!

Cheers guys,
David



KEY FEATURES ALL MODELS

INSTINCT INSTINCT INSTINCT



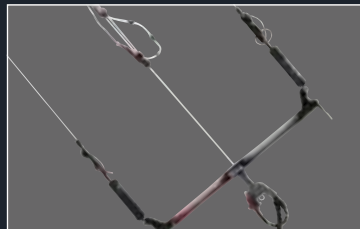
Aerodynamic leading edge scuff pads. Light, therefore keeping weight off the leading edge which is vital for better performing kites.



Narrow optimally designed diameter leading edge tube and struts. Strong structure and less "parasitic drag" as kite cuts through the air.



New tip shape for a faster turn and to also give a more constant pressure throughout the D-Power range.



Direct Line to kite feel. No pulleys in kite or bar.



2:1 D-Power trim strap which gives each model a constant feel from normal trim to full depower using the smooth Clamcleat Trimmer Strap. For 08 3-way rings made in highest grade 316 Stainless.



New 08 Stopper Ball for the safety flag out line so that the bar does not shoot up the lines to far when emergency final safety release is activated. (Span width of kite).



One-Pump on all 3 models
Light II • Sport II • Edge II.



The Worlds finest material selection. No compromise, giving you peace of mind in buying into a quality manufactured product that will last.



Unique bladder construction with double layer sections in wear areas.



Leading industry service and support; if you have a problem we will deal with it.

➤ SAFETY ALL MODELS

Ozone believes in the same philosophy as the IKO standard for safety release with 3 stages to a safety system.

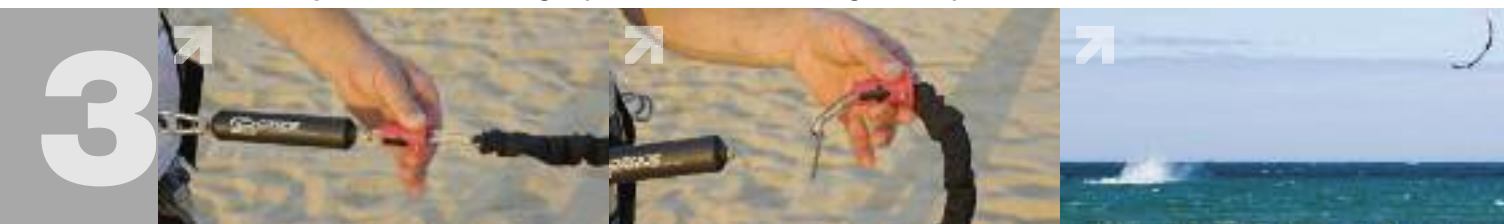
Primary safety (let go of bar)



Release chickenloop to flag out the kite and release all power (Ozone's new 2008 "Megatron" Moulded D-Power Loop)



Release safety leash if still in danger (leash is attached to flag out line)



The 1st stage of safety for any Instinct rider when feeling uncomfortable or in danger with any Instinct model is to release the bar completely; the kite will depower and wait at the edge of the wind window.



THE FLAG OUT LINE

The beginner to intermediate rider is leashed into the flag out line and advanced to expert riders should attach to the flag out line when launching or landing.



SAFETY LEASH

All kites are supplied with the new 2008 safety leash, offering Ozone's easy to grab release handle, with full neoprene protection over the bungee webbing leash, that's easy on the body for those failed handle-pass attempts.



RELAUNCH

The Instinct 08 Models are a dream to re-launch, just turn the bar fully to one side and the kite rolls over onto its tip. The rider can either re-launch immediately with the kite downwind and de-powered or allow the kite to work its way to the edge of the wind window, either way all three models (Light II, Sport II, Edge II) provide a stress free re-launch.



INFLATION **ALL MODELS**

All of the 2008 Instincts feature the patented One Pump inflation system, regarded as the most durable and reliable single point inflation system on the market. We won't bother trying to disrespect the original creators by calling it some over hyped name – we would instead just like to thank Slingshot for bringing the finest (simplest) system to the industry.

For the 08 Models we have the neoprene socks secured both ends to make it far easier to use, whilst improving the protection of the kites sail when rolled up. (2007 were only secured one end).

A large dump valve releases air pressure quickly, allowing you to pack down as fast as you set up.



WINGTIP **ALL MODELS**

Continuous smooth radius wingtip, perfected in shape to increase turning speed and aid re-launch, yet perfected in size to ensure the kite is balanced to stop any stall possibilities.

www.flyozone.com

CONTROL SYSTEM

FEATURES ALL MODELS

1 ELASTIC LINE FASTENERS

Keep your lines tidy while stored. Attached from bottom of bar horn so doesn't get tangled when winding your lines up.

2 SOFT FOAM INNERS

Saving your fingers from painful bar bash when kitelooping or handlepassing.

3 CLEARLY COLOUR CODED BAR ENDS

4 BAR INSERT LOCATOR

For effortless unhooked re-loading.

5 SUPER SIMPLE ONE HANDED PIN RELOAD SAFETY RELEASE SYSTEM

6 LARGE SMOOTH RELEASE HANDLE

Positively tested release.

7 D-POWER-LOOP

Made from stealth black super wear resistant PU with spliced Amstel inside.

8 COMPOSITE COMPRESSION MOULDED BAR ENDS

Positively tested to 350kg.

9 BULLET-PROOF REPLACEABLE BEAL TRIM LINE

10 CONICAL POLISHED STAINLESS STEEL INSERT

Top and bottom reduces both trim line wear and enables effortless turning capacity.

11 ERGONOMIC SPINNING HANDLE

No more tangled power lines.

12 WIDE GENTLY CURVED ERGONOMIC BAR ENDS

That won't poke you in the ribs.

13 ALL HIGH QUALITY STAINLESS STEEL HARDWARE

14 EXPERT LEASH RING ATTACHMENT

Results in tangle-free leash.

15 SWIVELLING CHICKEN FINGER

Offers optional use.

16 WIDE-MOUTH D-POWER-LOOP

For super easy hooking in or out. Makes hooking in after nailing your moves stress-free.

17 FOAM LEADER LINE FLOATS

To protect your hands and to keep the bar floating.

18 BACK LINE TRIMMERS

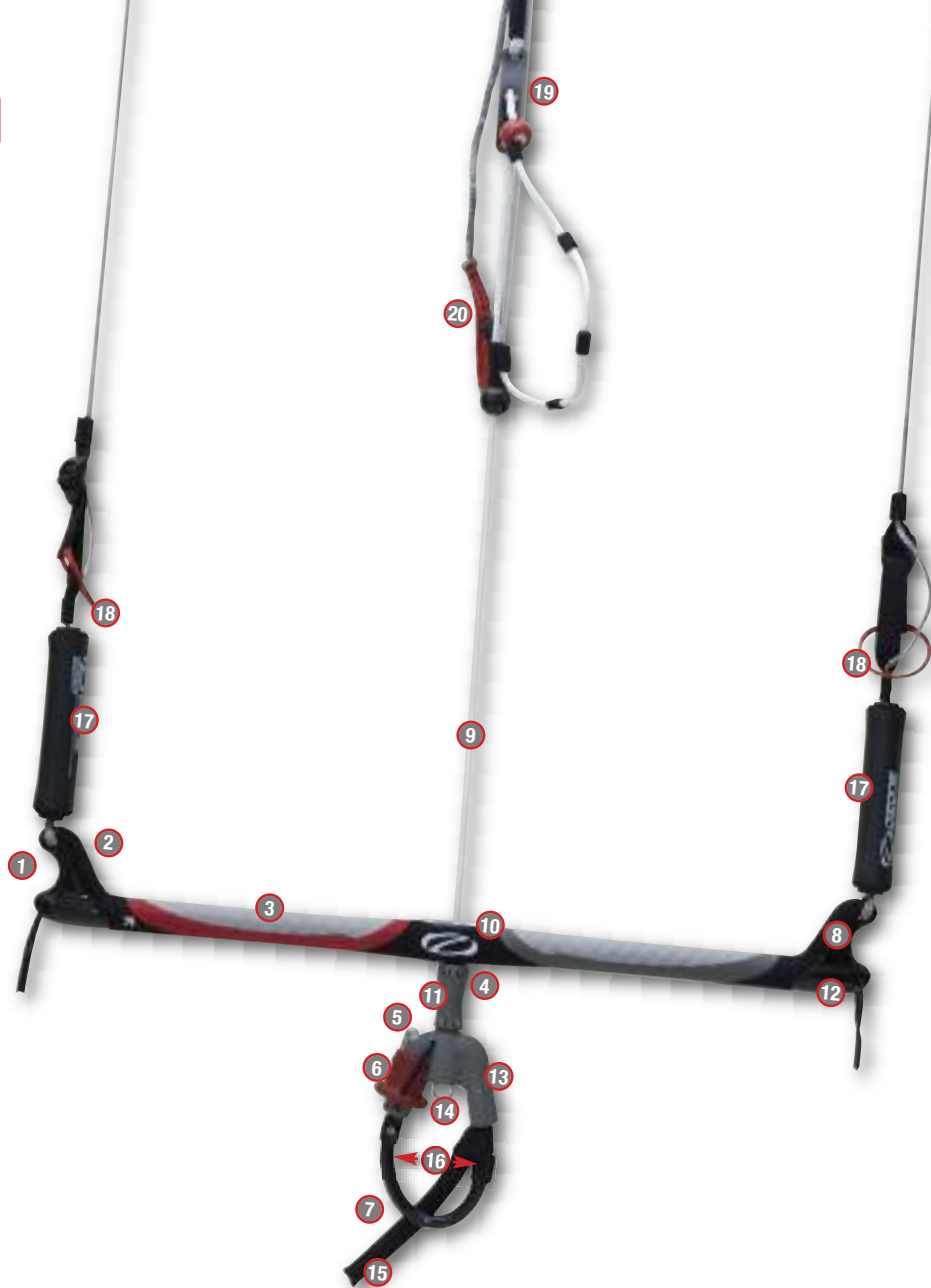
Adjust your back lines with ease and choose your preferred setting.

19 CLAMCLEAT TRIMMER

Effortless to use for extra depower or when riding unhooked.

20 FLAG-OUT HANDLE ON FRONT POWER LINE

Kite leash attachment for beginners wanting total flagout, for launching kites from beach, or for self landing.





BAR

- New 08 bar with composite bar ends with embedded foam make it easy on your fingers.
- Clearly colour coded bar ends.
- Elastic line fasteners to keep your lines tidy.
- Composite compression molded bar ends, gently curved to make them easy on the body when it goes wrong.
- Conical polished stainless steel insert top and bottom to reduce line wear and friction.

BAG

- Cleanly designed bag with large volume so its easy to pack in your kite.
- New internal bar pocket to separate and protect your kite from the bar.
- Board carrier on the back held on by the side compression straps.
- External pocket for spare keys and tools.
- Extra inner bag to protect your kite. The inner bag is very useful, for example if you are travelling with a board-bag you do not always wish to take the main kite bag. But your kite still needs protection, so that's where the separate inner bag, made from a robust yet lightweight material, helps protect your kite and keep it neat and secure.

INSTINCT PACKAGE 08

- Kite.
- Bar complete with 5 x 25m 300kg lines and the new 08 moulded D-Power Loop.
- Flag out system "Stopper Ball".
- Pump with PSI meter.
- Repair pack with spare material, stickers, keyring and instant bladder repair stick-on patches.
- Technical bag – With loads of room to easily fit the kite and a separate internal pocket for the bar so that your kite material is protected.
- Separate inner bag to further protect the kite. Many kites, like us, do not actually use the bag the kite comes with when travelling - we therefore wanted a simple protection "stuff sack" to protect the kite in your board-bag and to keep it secured/tidy.





FEATURES

- Perfect for beginners
- Easy to control, easy to fly
- Supplied ready to go
- Extra 3rd line for safety stall
- Ideal gift for friends and family



get them started
➤ get them hooked!



www.flyozone.com

THE OZONE ADVENTURE

VIETNAM 2008



Cape Dinh - a perfect day



Hugh unhooked kite loop, Phang Rang



Matt at Phang Rang



Time for lunch!



A break from the sun!



Skatoor carving through the corals



Twan - cooling off



David soaking up the sun
on Phang Rang beach



Take your pick!



Kari shows the boys how it's done



Sigve in Phan Thiet harbour



A great day on Cape Dinh beach

Our thanks to Anthony, Twan and Drew, the Vietnam Kitesurfing Tours Team, for taking us to Phang Rang, a superb new spot in a military zone they pioneered and have managed to open up to us all. To escape the cold during the northern hemisphere winter check out www.vietnamkitesurfingtours.com



Rider: Sigve Botnen

THE OZONE KITESURF TEAM



DAVID
Pilkington
UK



MATT
Taggart
UK



HUGH
Pinfold
NEW ZEALAND



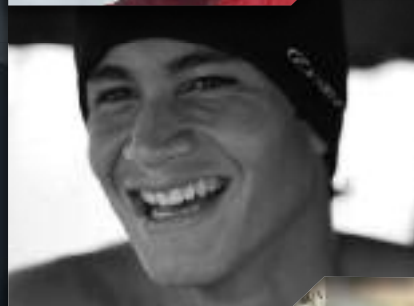
DOM
Zimmerman
GERMANY



PASCAL
Boulgakow
FRANCE



Guillaume
CHASTA
Chastagnol
FRANCE



LEX
Dekker
BELGIUM



SIGVE
Botnen
NORWAY



TAMATOA
Gillot
TAHITI



KARI
Schibevaag
NORWAY



SU
Kay
SOUTH AFRICA



CHIP
Wasson
USA



TWAN
van Lieshout
HOLLAND



SKATOOR
USA



TITAU
Ropiteau
TAHITI



CHRISTIAN
Nerdrum
NORWAY



MATT
Smith
UK






























"MURPHY"
Marek Zach
CZECH



www.flyozone.com

LAND KITES

Whatever your passion we strive to create a kite that will allow you to enjoy your sport to the maximum; ALL SEASONS ALL KITESPORTS is our mantra.

kite			new rider	intermediate	advanced	expert
		>>IMP - A Perfect Start >>SIZES 1.0, 1.5, 2.0, 2.5m >>COLOURS 	<div></div>			
		>>IMP TRAINER - 3 Line Bar >>SIZES 1.5, 2.0, 2.5, 3.5m >>COLOURS 	<div></div>			
		>>IMP QUATTRO - Start into Traction Kiting >>SIZES 1.5, 2.0, 2.5, 3.5, 4.5m >>COLOURS 	<div></div>	<div></div>		
		>>CULT - Intermediate Cruiser >>SIZES 2.0, 2.5, 3.5, 4.5, 5.5, 6.5m >>COLOURS 		<div></div>		
		>>HAKA - Performance Freestyle Kite >>SIZES 3, 5, 7, 9m >>COLOURS 			<div></div>	<div></div>
		>>YAKUZA - Champions Choice >>SIZES 2.2, 2.7, 3.4, 4.0, 5.0, 6.0, 7.3, 8.6, 10, 12, 14m >>COLOURS 			<div></div>	<div></div>
		>>ACCESSXC - Freedom to Ride >>SIZES 4, 6, 8, 10m >>COLOURS 	<div></div>	<div></div>	<div></div>	
		>>FRENZYFX - The Legend & Friend of Depower Kiter >>SIZES 7, 9, 11, 13m >>COLOURS 		<div></div>	<div></div>	<div></div>
		>>MANTAI - Chasta's High Performance Series >>SIZES 8, 10, 12, 15m >>COLOURS 			<div></div>	<div></div>



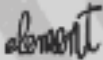

































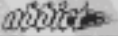












SNOW KITES

ALL SEASONS»ALL KITESPORTS

kite		new rider	intermediate	advanced	expert
  <p>>>IMPTRAINER - 3 Line Bar >>SIZES 1.5, 2.0, 2.5, 3.5m >>COLOURS    </p>					
  <p>>>ACCESSXC - Freedom to Ride >>SIZES 4, 6, 8, 10m >>COLOURS   </p>					
  <p>>>FRENZYFX - The Legend & Friend of Depower Kiter >>SIZES 7, 9, 11, 13m >>COLOURS   </p>					
  <p>>>MANTAI - Chasta's High Performance Series >>SIZES 8, 10, 12, 15m >>COLOURS   </p>					














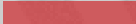






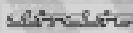









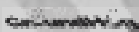







PARAGLIDERS

kite	beginner	intermediate	advanced
  >>> ELEMENT - DHV1 Your First Days >>> SIZES XS, S, M, L >>> COLOURS    			
  >>> MOJO2 - DHV1 The Perfect Start >>> SIZES XS, S, M, L, XL >>> COLOURS    			
  >>> GEOII - DHV1-2 Lightweight Adventure/Performance >>> SIZES XS, S, MS, ML, L >>> COLOURS   			
  >>> BUZZ2 - DHV 1-2 >>> SIZES XS, S, MS >>> COLOURS    			
  >>> RUSH - Performance DHV 1-2 >>> SIZES XS, S, M, L, XL >>> COLOURS    			
  >>> ADDICT2 - DHV 2-XC Performance & Agility >>> SIZES XS, S, M, L, XL >>> COLOURS    			
  >>> MANTRAM2 - DHV 2-3 >>> SIZES S, M, L >>> COLOURS   			



From your 1st gentle flights on a DHV 1 Paraglider, to crossing the Himalaya's climbing and soaring thousands of feet high using only the thermals, to powering along on your own adventure with a Paramotor wing or if speed is your thing give Speed Flying a try, the latest Winter Airsport. Since 1999 we've been creating wings that will take you wherever you wish to go, for full info on our products check out >>www.flyozone.com

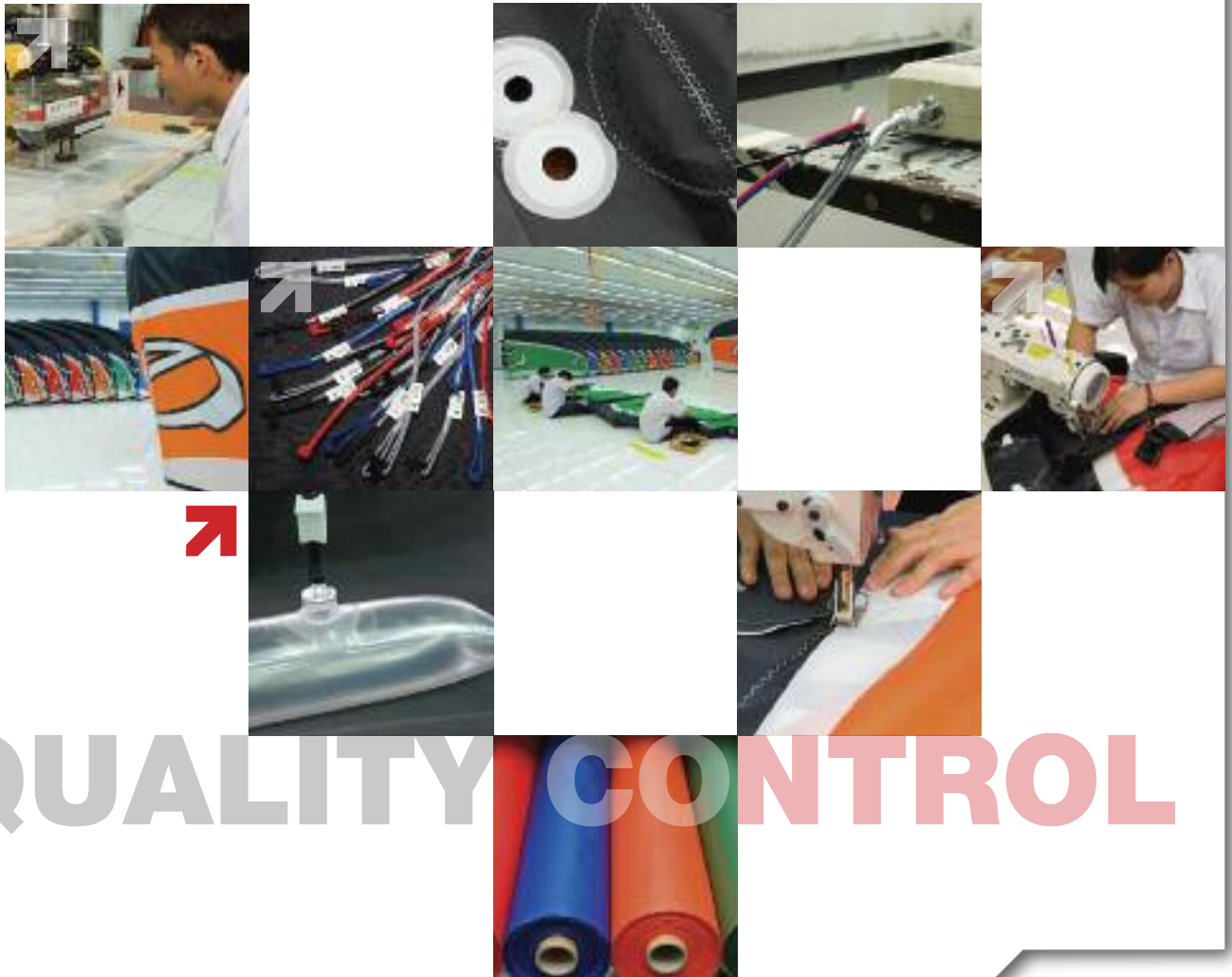
kite	beginner	intermediate	advanced
  >> MAGNUM - The Tandem Professional's Choice >> COLOURS 			
  >> 6907 - Energetic & Dynamic Acro Glider >> COLOURS 			
  >> BULLET008 - Speed Flying >> SIZES 10, 12, 14m >> COLOURS 			
  >> LaBOMBE - Speed Riding >> SIZES 8, 10m >> COLOURS 			
  >> ULTRALITE - The World's Lightest Paraglider >> SIZES 19, 23, 25 >> COLOURS 			
  >> MANTRAR07 - Open Class Competition Wing >> SIZES 24, 26, 28m >> COLOURS 			
  >> GROUNDHOG - For Ground-Handling >> SIZES 14m >> COLOURS 			



QUALITY CONTROL

Every Ozone kite is rigorously checked by quality control. This includes every stitch being hand checked and every line length being double checked by QC. All kites once complete are inflated in our factory and left for 24 hrs to double check the bladders

We hope you enjoy our kites as much as we loved creating them.



A full-page photograph of a woman kitesurfing. She is in mid-air, performing a trick with her board. She is wearing a white and green harness, a red bikini bottom, and a watch on her left wrist. Her hair is blonde and tied back. The background is a bright blue sky with scattered white clouds. The ocean surface is visible at the bottom, with a large splash of white water. The text "trust your instinct" is overlaid in the lower right quadrant.

trust your instinct

Rider: Kari Schibevaag Location: Vietnam

DEALER LOCATION

www.flyozone.com

WWW.FLYOZONE.COM