

2020 Wave/Freeride/Freestyle Ranges



*Legendary Design
Magic Performance*



Photo by Jake Miller

Szpunar and Spanier **Science and Sorcery**

Barry Spanier:

It's been especially satisfying to see *S2 Maui* thrive as more and more sailors at home and around the globe discover and delight in the unique feel of *S2 Maui* rigs. Art's designs have continued to never lie fallow and he always delivers with refinements through the ranges that are based on the ever growing feedback loop around the world. Racing results and sailor satisfaction are testament to the 'Art never sleeps' meme. From my perspective, the *S2 Maui* design portfolio answers about every question that could be asked.



High on the list is *SpaceLight™* laminated fabric now used throughout the lineup in exciting Metallic Blue and Molton Lava colors. It seems no others have found this magic combination that makes it possible for Art to create the lightest durable sails you can buy. These materials are now well proven in years of service. Highly technical fabrics are generally more costly but we would rather balance the value against big professional teams and large marketing expenses to put it where it really counts... in the hands of the user.

Our design philosophy fit perfectly with foiling from the beginning. The smaller wave, the two-cam freeride/freerace and the specially developed V-FR freefoil sails also work exceptionally well for foiling. Continued design refinement that proves to be good for 'normal' sailing makes an even better fit with the foils. PWA Women's World Champion, Delphine Cousins, dominated the racing last year and is off to a great start in the current season. Racing results are beginning to reflect the obvious raw speed and powerful accelerations found in the dynamic power of *S2* developed shapes.

Joining the group this year are ocean specialists Sarah Hauser and Camille Juban. I believe both of them have chosen *S2* because they have enough experience with many sails and genuinely appreciate the light weight, fluid handling, balance and power-with-control that are unique to the *S2* designs. Although they may do well or win contests, for me the real reward will come when they find their sailing has improved. All over the world people will organically discover the difference a well balanced powerful rig can make in their general fun level.

As an elder and mentor I watch from the side. There is a huge development lurking, soon to be part of what we are and why. Needless to say, it's an old secret that we should soon see.

I also want to use this forum to share an idea I have been promoting. It's all good for all of us at www.baleen2019.com. Help us find the way.

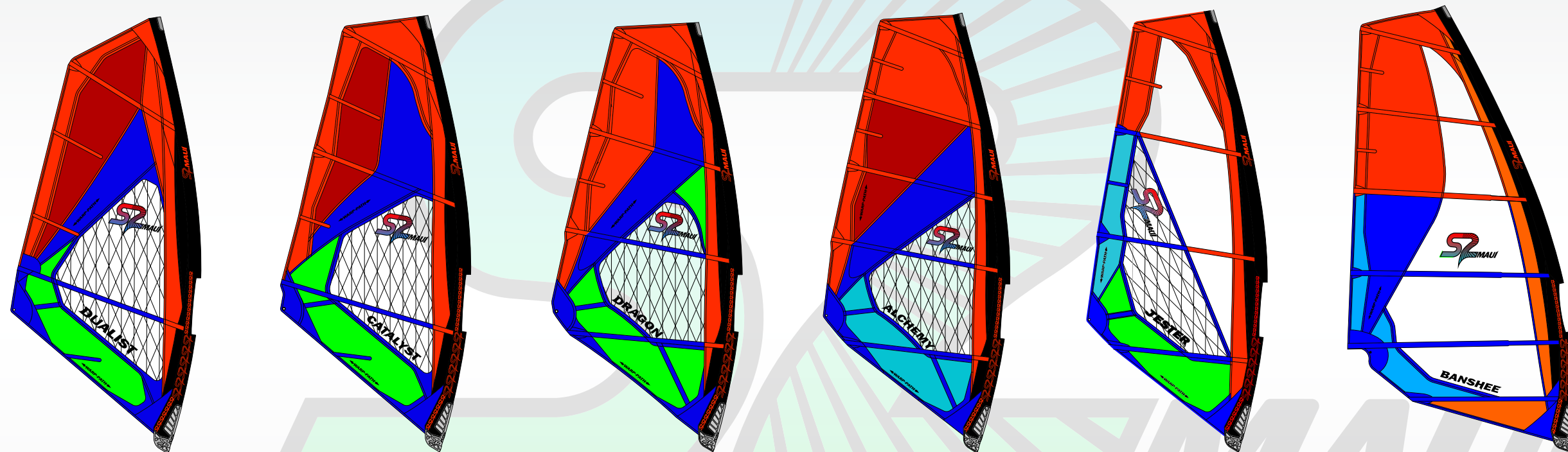
Aloha, Barry



S2 Maui wave riding team (l to r): Art Szpunar, Camille Juban, Jake Miller, Russ Faurot, Sarah Hauser, Casey Hauser

2020 Wave/Freeride/Freestyle Sail Range Overview

Mission: *S2Maui's* foundation is our passion for windsurfing and innovative design, continuously pushing for the next performance level. We are dedicated to the highest level of design quality built upon experience creating sails that powered many champions to the highest levels and brought stoke to passionate riders world-wide. Our philosophy is to offer the highest performance, quality and value, combining the ultimate strongest and lightest materials with the best designs. Our exclusive, US built *Technora™ SpaceLight™* laminate sail cloths weigh half as much, have 3x stronger *Technora™* fibers, and are double pass laminated with adhesive on both sides of the fibers for maximum bond strength. *S2Maui's* high quality materials are a refreshing contrast to current industry trends of cheaper, lower quality materials with only polyester fiber and single side adhesive. Our personal reward comes during daily sessions on Maui's North Shore, and through feedback from happy customers having the ultimate experience of the harmonious interaction of design, material, wind and water.



2020 marks the 5th model year of *S2Maui* and will also be the 15th year since I started to work with Barry Spanier, back in 2005. The momentum that continues to build has surpassed our expectations and we are grateful for the support of our loyal customers, distributors and athletes worldwide. We are inspired to continue pushing sail performance, design and materials forward! Great news for promotion of *S2Maui's 2020* sails is the addition of two of the most exciting wave riders in the world, reigning Aloha Classic champions Camille Juban and Sarah Hauser, to the *S2Maui* Team!

Starting out with a bang, look forward to some amazing photos and video from Sarah and Camille's epic wavesailing mission to CloudBreak Fiji! An excellent complement to *S2Maui's* International Team of champions, including reigning World Champ *Delphine Cousin Questel, Antoine Questel, Micah Buzianis* and *Gabriel Browne*, together with an amazing group of national champions. We are now well represented in all disciplines including slalom, foil and wave.

2020 sail models incorporate some vibrant new materials "Intense Blue" Metallic *Technora™ SpaceLight™* and also "Bright Molten Red" *Technora™ SpaceLight™* in 2 different thicknesses which make sure that the sails stand out on the water as well as in performance. We have individually tuned the designs based on the requirements of each sail size, expanding wind range using a consistent, continuous twist from clew to head and locked stability down low. Tuned luff curves together with refined *Warp-Path™* load aligned panel orientation bring maximum energy with a smooth character and balance to the sails' performance. Our goal is that each customer who tries an *S2Maui* will be impressed by the performance, design, incredible light weight and superior material quality of our exclusive *Technora™ SpaceLight™* construction and not want to sail anything else.

– Aloha, Artur Szpunar

S2Maui's TECHNOLOGY ADVANTAGE

**High performance sails are built with Technora Fiber
(S2Maui Spacelight™)**

**Cheap Shirts (and sails) are built with Polyester Fiber
(The other guys)**

To achieve our goal of developing sails with the highest possible performance, lightest weight and exceptional strength, we worked closely with the world-leading sail cloth manufacturer to design and develop the ultimate super-light and strong laminate sail cloth, *SpaceLight™ Technora™* to be used exclusively with our original, load oriented *WARP-PATH™* sail construction.



Photo by Erik Aeder



Photo by Erik Aeder

SPACE LIGHT

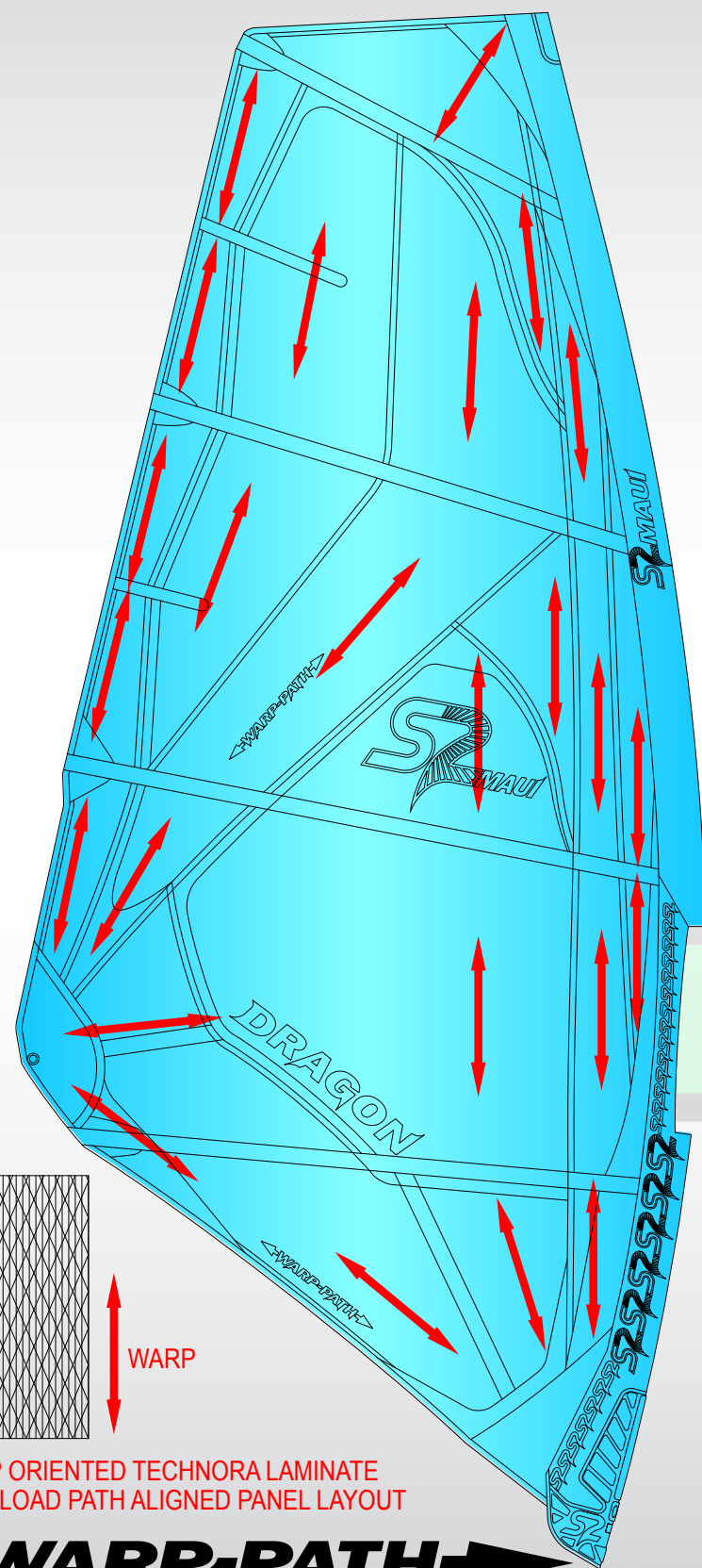
SpaceLight™ is S2Maui's exclusive durable super-light and stable laminate sail cloth featuring warp oriented *Technora™* fibers.

- **LIGHTER MATERIAL:** *Technora™* and scrim matrix combined with double pass laminated, light weight films reduces weight by 50% to 75% compared to standard 5 mil sail material.
- **STRONGER MATERIAL:** *Technora™* fibers used in warp and bias directions have three times the tensile strength of standard polyester fibers.
- **LESS STRETCH:** specifically oriented warp fibers have three times less stretch. This is necessary for specific load orientated panel configurations.
- **MORE DURABLE:** The scrim base and *Technora™* yarns develop incredible tear resistance. Double pass lamination ensures a perfect bond with adhesive on both sides of the fibers and helps prevent delamination.
- **MORE UV RESISTANT:** The opaque and metallic pigments on both sides of the laminate have outstanding UV resistance.

WARP-PATH

WARP-PATH™, S2Maui's functional and unique panel layout, aligns **SpaceLight™** warp oriented **Technora™** fibers along load paths in the sail body.

- **LIGHTER SAILS:** The strength of load oriented **Technora™** fibers in super light **SpaceLight™** results in a weight of finished sails 10-20% below industry standard.
- **STRONGER SAILS:** Load oriented panels with high strength **Technora™** distribute tension in high stress areas and create an incredibly strong sail body and perimeter. Double pass lamination ensures long term durability.
- **STABILITY:** Low stretch **Technora™** fibers resolve downhaul, perimeter, and twist loads throughout the sail body, locking in shape, and limiting distortion wrinkles.
- **BALANCED TENSION:** The **WARP-PATH™** panel layout fiber orientation distributes forces throughout the sail body, creating a balanced skin tension and a smooth, efficient shape under load. The rig feels perfectly balanced and connected throughout a wide wind range.



WARP ORIENTED TECHNORA LAMINATE
WITH LOAD PATH ALIGNED PANEL LAYOUT

←**WARP-PATH**→

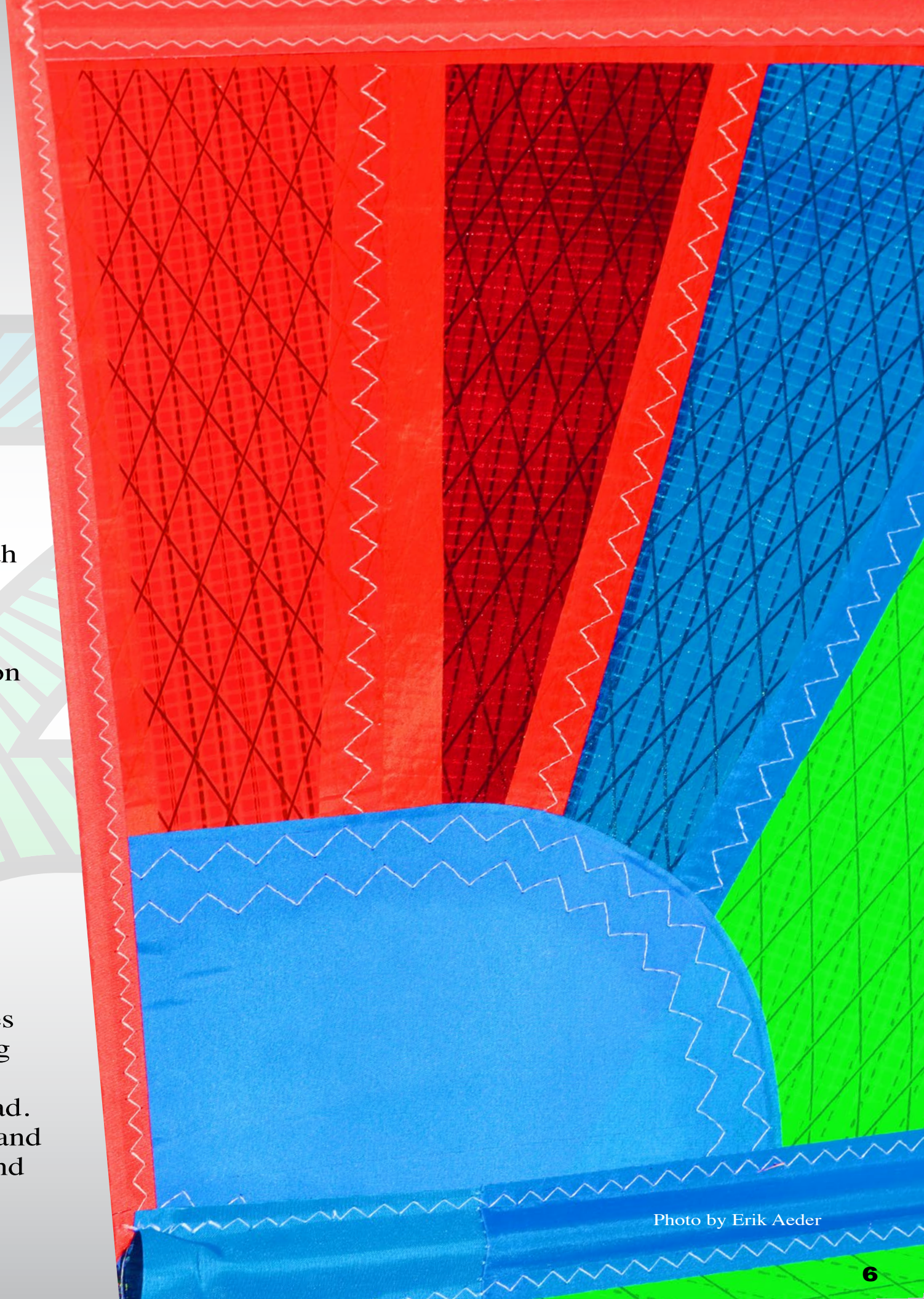
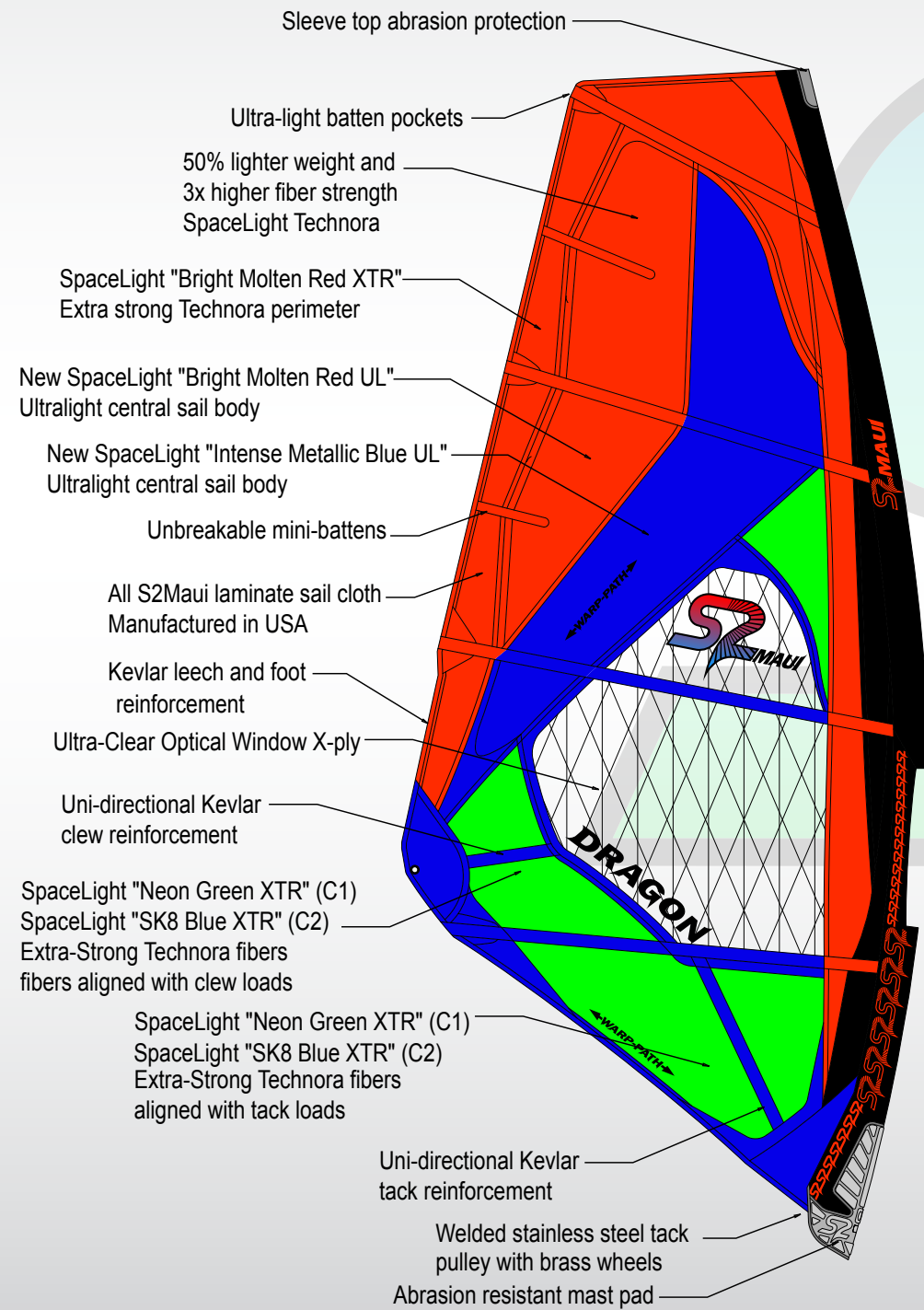


Photo by Erik Aeder

WARP-PATH

(continued)



- **MORE RESPONSIVE:** The light weight and low stretch allow for an extremely quick reacting and responsive sail dynamic. Diagonally oriented *Technora™* enables instant twist reflex response.

- **HANDLING:** Properly resolved internal tension in the sail skin creates a magical feel that is light in the hands and produces smooth, consistent power.



Photo by Jimmie Hepp

Designer Artur Szpunar tests the latest WARP-PATH™ construction at Ho'okipa.

S2Maui's WARP-PATH™ construction also has some notable advantages over expensive membrane sails:

- **SHAPING FLEXIBILITY:** *WARP-PATH™* offers benefits of fiber orientation combined with the profile control advantages of vertical/horizontal sail shaping techniques.
- **CONTINUOUS ONE PIECE LUFF PANEL:** *WARP-PATH™* maintains a one piece, full length luff panel with *Technora™* fibers running the full length of the leading edge, uninterrupted. This is a much stronger construction than typical windsurf membranes, where horizontal seams split the fibers along the leading edge.
- **ABILITY TO CONTROL FILM THICKNESS:** *WARP-PATH™* combines the benefits of *Technora™* fiber orientation with the ability to also control film thickness where needed for durability. ***The result is the best combination of lightest weight and also highest strength and durability.***



DRAGON

Competition Performance, Power & Agility

The Dragon is the ultimate high performance, progressive wavesail built entirely in premium **Technora™ Spacelight™** for an ultralight and smooth feeling without equal. Combining incredible maneuverability and light, responsive handling with excellent power and wind range, the Dragon will draw the most radical lines at Ho’okipa, while also dominating a wave competition during a North Sea storm. Achieving agility and power from it’s perfectly balanced lower aspect ratio, the Dragon helps you execute the most demanding wave moves in down-the-line and onshore conditions alike, transitioning flawlessly from hard driving bottom turns to neutral off-the-top. Combining the power of traditional sails .2 square meters larger with reduced rotational inertia due to the low aspect ratio and super lightweight, the Dragon has a breathtaking maneuverability advantage that has to be experienced.

Camille Juban:

“I love the Dragon because I know that I can use it in any type of condition from Ho’okipa to Pozo and the sail will work perfect and make it easy to enjoy the session and perform in competition.”

Sarah Hauser:

“My whole life I thought that to get more speed you’d have to give up on some control. For me the Dragon has completely destroyed the idea that there should be any compromise. The sail allows me to go so fast even in the most challenging winds and waters (like in front of the Ho’okipa rocks or the inside of Cloudbreak), yet I feel like everything is in control, light and effortless. It’s as if the sail knows what to do better than me!”

Artur Szpunar:

The 2020 Dragon luff curves and twist profiles have been optimized on a size specific basis for consistently excellent character throughout the range making sure that 3.8 in a storm feels as smooth as 4.6 in Trade winds. The new “Bright Molten Red” Technora™ Spacelight™ in 2 different thickness is precisely aligned together with the new “Intense Blue Metallic” Technora™ Spacelight™ and Kevlar load strips giving the ultimate in extreme strength and amazing sail weights 15-20% lighter than the competition.

DRAGON Specs

Size	Mast	IMCS	Luff	Boom	Downhaul	Head	Battens
3.0	340	15	336	134	5	9	4
3.4	340	15	341	141	5	4	4
3.8	340/370	15/17	348	147	9/5	1/27	4
4.2	340/370	15/17	364	155	25/5	1/11	4
4.6	370	17	383	162	13	Fixed	4
4.9	370	17	394	167	24	Fixed	4
5.2	400	19	409	171	9	Fixed	4
5.6	400	19	415	178	15	Fixed	4

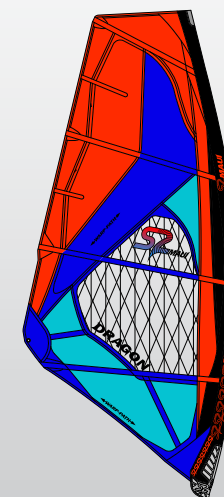




Photo by Robert King

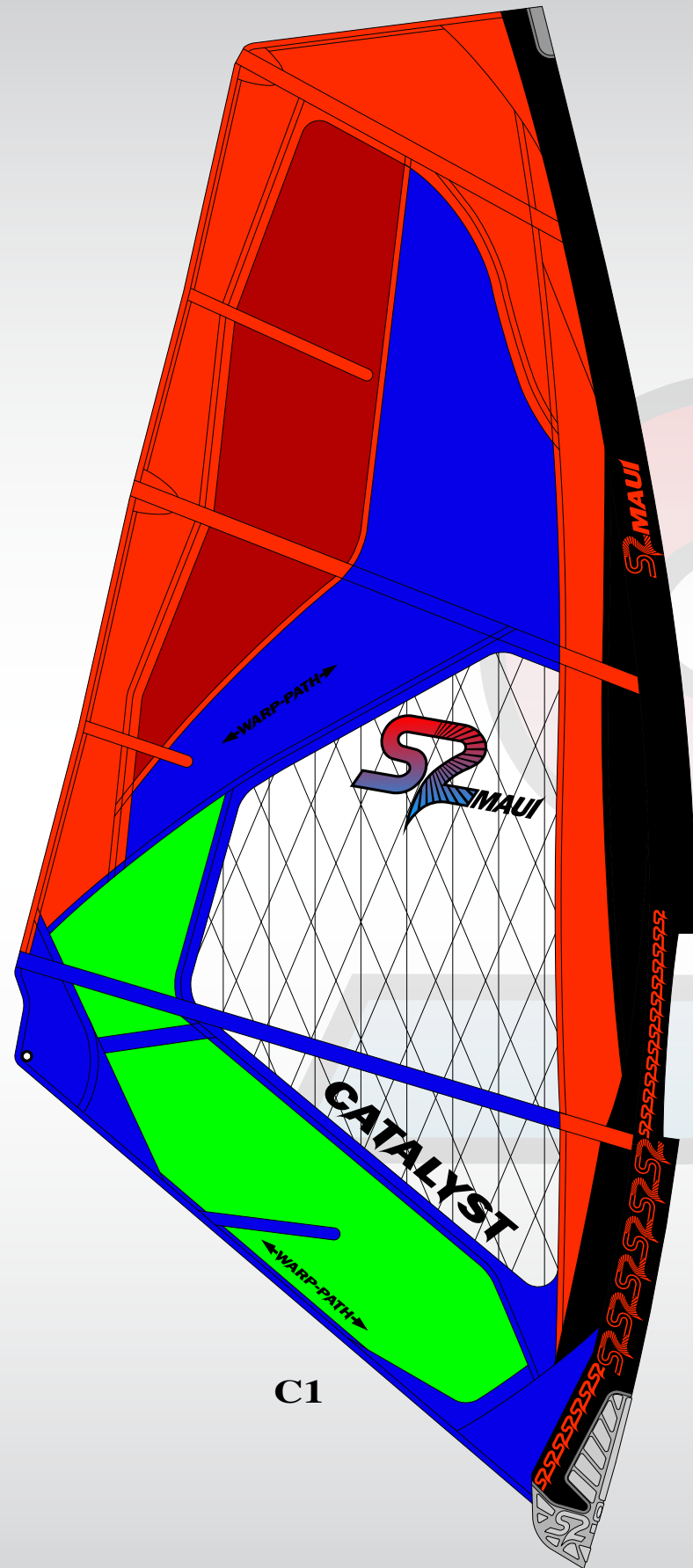


Photo by Erik Aeder





Photo by Erik Aeder



CATALYST

New School Radical Surf

Camille Juban loves the Catalyst for his aggressive style, down-the line riding. The Catalyst is the lightest, production 3-batten wave sail. It is designed for instant reactivity that will energize your wave ride and facilitate aggressive lines and progressive moves like takas, goiters, 360's and new ones yet to be dreamed up. Lightning quick and agile, the Catalyst allows you get more vertical and cut deeper. **S2Mau**'s exclusive **FocusPoint™** shaping together with the load oriented **WARP-PATH™** panel layout ensures the stable profile and good wind range necessary to handle gusty offshore conditions.

Camille Juban:

"What I like most about the Catalyst is that while I still can use it in all types of wind, the maneuverability and lightness make it my favorite sail for down-the line wave riding."

Artur Szpunar:

The 2020 Catalyst has been tuned for excellent wind range combined with a twist profile that allows you to push extreme, tight vertical turns on the face. Refined orientation of high strength Technora™ Spacelight™ in the leech and clew provides the engineered structure to handle intense twist loads and wave impacts. The new superlight and strong "Intense Blue Metallic" Technora™ Spacelight™ is oriented to control stretch, lock stability and give instant reactivity for fast explosive maneuvers.

CATALYST Specs

Size	Mast	IMCS	Luff	Boom	Downhaul	Head	Battens
3.8	340/370	15/17	358	147	19/5	1/17	3
4.2	370	17	377	155	7	Fixed	3
4.6	370	17	386	162	16	Fixed	3
5.2	400	19	412	170	12	Fixed	3

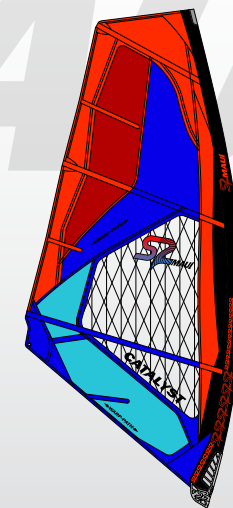




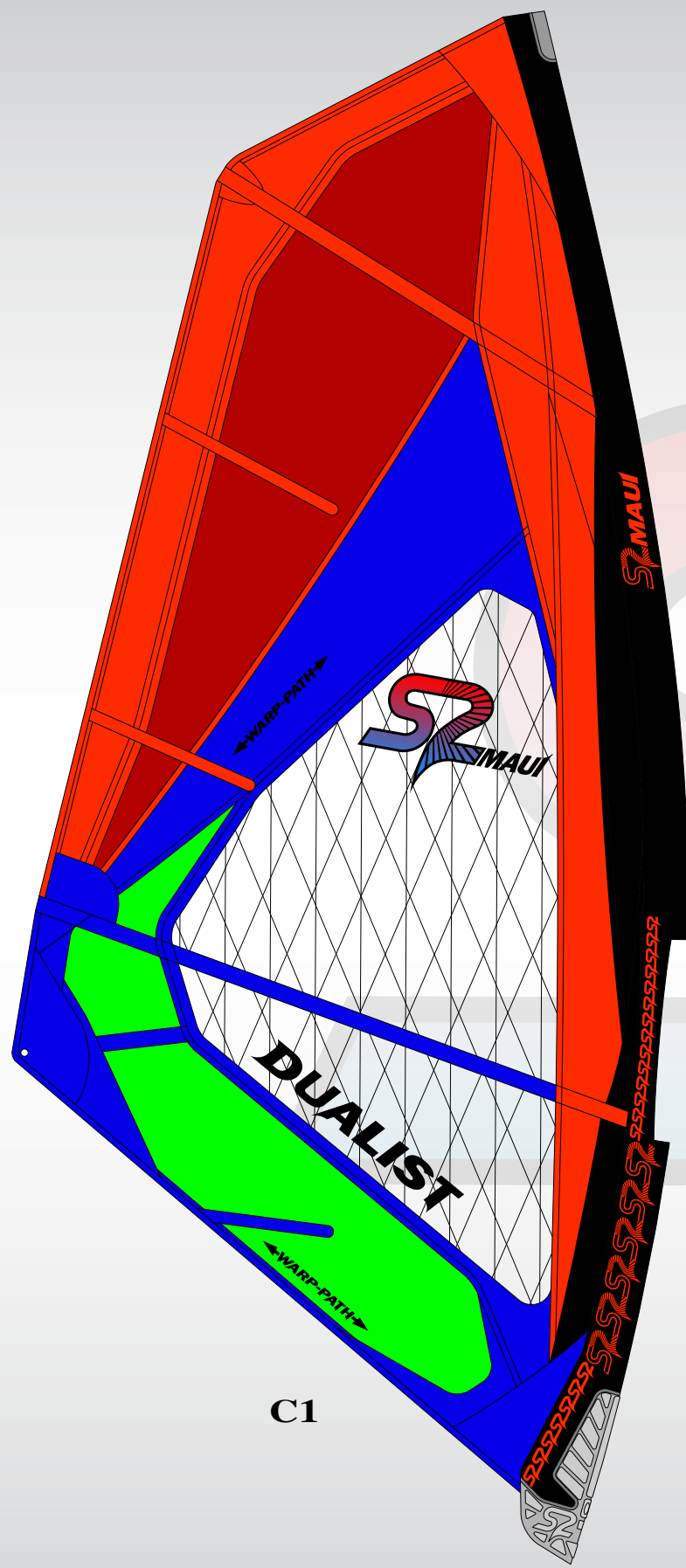
Photo by Erik Aeder



Photo by Erik Aeder



Photo by Jimmie Hepp



DUALIST

Wave Riding Purist

The revolutionary 2-batten Dualist came about due to our passion for innovative design and continuous search for the next performance breakthrough. Specialized for down-the-line, waveriding purists, the sensation of the *S2Maui* 2-batten Dualist can only be described as insanely light and agile with tons of drive. These characteristics, combined with the quick response of a tighter leech and instant power/depower of the 2-batten skeleton, certainly give you some new angles and opens your mind to possibilities that didn't exist before. It provides an advantage for fitting into "unmakeable" sections of the wave and leaves you scratching your head, thinking "did I really pull that off?" We are having lots of fun with these at Ho'okipa.

Russ Faurot:

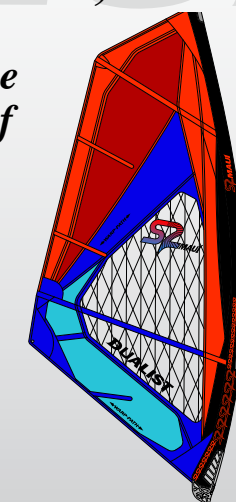
"When I first heard about the Dualist, I had the same reaction that many people now give me when I tell them about it. "There is no way a 2-batten sail will work!" I couldn't have been more wrong. My mind was blown straight away. The sail has great low end power, unrivaled maneuverability, and is surprisingly stable in the windy stuff. The sail is so light, is incredibly easy to handle, and can be tuned to whatever wind condition I have come across. That said, my favorite condition for the Dualist is medium to light wind down-the line wave riding. The Dualist drives you through turns, with incredible on-off responsiveness while maintaining control through powerful bottom and top turns. It feels great in the air, whether it's tweaking through an aerial, or flying through high backloops! I would say that this sail is for the rider that wants the lightest, most responsive wave-sail on the market."

Artur Szpunar:

Achieving balance and stability in the 2-batten skeleton of the Dualist was made possible by the application of our center-of-effort balanced, FocusPoint™ profile shaping method together with the load-stabilizing WARP-PATH™ panel layout in the design. This must be the lightest wave sail on the water – a game changer in terms of agility on the wave. Handles smoothly even in the gusts.

DUALIST Specs

Size	Mast	IMCS	Luff	Boom	Downhaul	Head	Battens
4.2	370	17	377	155	7	Fixed	2
4.6	370	17	389	164	19	Fixed	2
5.1	400	19	412	171	12	Fixed	2



C1

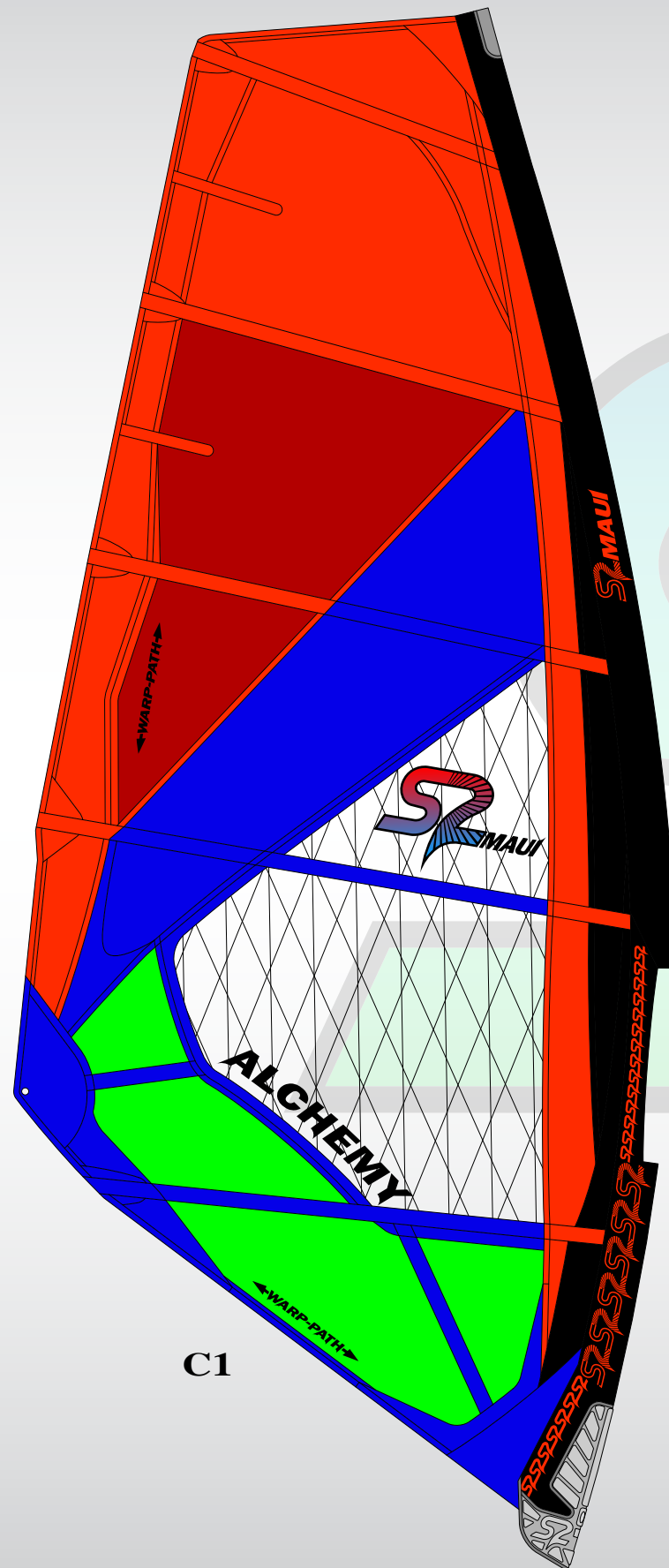
C2



Photo by Jimmie Hepp



Photo by Jimmie Hepp



ALCHEMY

All-round Wave, Stability & Control

The 2020 S2Maui Alchemy is an incredibly smooth, stable and versatile 5-batten wavesail with the greatest top-end wind range. Classic, neutral handling during wave riding combined with outstanding stability and power allow the Alchemy to excel in all high wind wave and bump and jump conditions. Superior upwind ability gets you back to take off points faster, and its perfect balance gives confidence in the air. Covering and exceeding the abilities of traditional power, sideshore and bump and jump sails, the Alchemy provides the magic combination of exceptional control, stability, power and effortless handling, no matter what the conditions.

Casey Hauser:

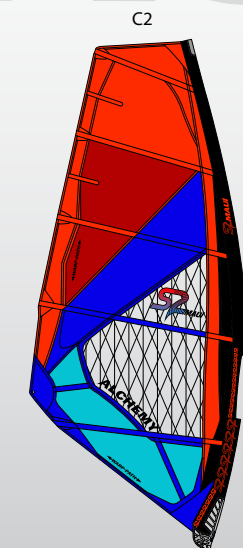
“I love the Alchemy for when it’s windy and I want to blast around, jump, or catch as many waves as I can. The top end feels limitless, and though it has a more locked in feeling, it’s still light in the hands and easy to maneuver.”

Artur Szpunar:

The 2020 Alchemy has a new, more sophisticated Warp-Path load oriented panel configuration that further increases the Alchemy’s incredible wind range and perfect stability. We incorporated the new “Intense Blue Metallic” Technora™ Spacelight™ in 3 new oriented panels that carry the twist loads and work in combination with the vertically oriented “Bright Molten Red” Technora™ Spacelight™ which carries the leech and perimeter tension. The final result is a very well balanced sail both in handling and structure.

ALCHEMY Specs

Size	Mast	IMCS	Luff	Boom	Downhaul	Head	Battens
3.3	340/370	15/17	355	138	16/5	1/20	5
3.7	370	17	369	142	5	6	5
4.2	370	17	385	154	15	Fixed	5
4.7	400	19	405	161	5	Fixed	5
5.0	400	19	409	166	9	Fixed	5
5.3	400	19	419	172	19	Fixed	5
5.7	430	21	436	178	6	Fixed	5
6.2	430	21	448	189	18	Fixed	5



C1

C2



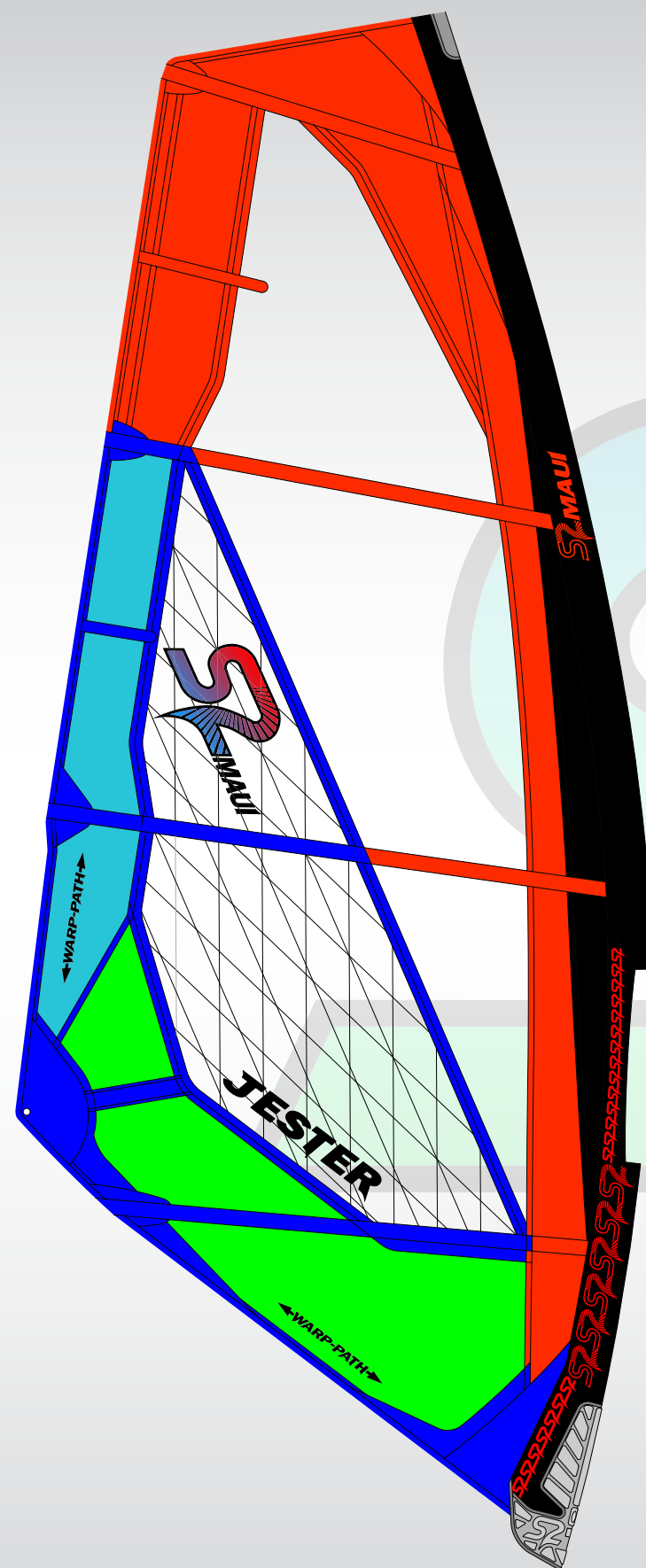
Photo by Erik Aeder



Photo by Erik Aeder



Photo by Jimmie Hepp



JESTER

Ultimate Freestyle

S2Maui's S2Maui's Dedicated freestyle sail, the Jester has been re-engineered for 2020 with increased durability using S2Maui's finest materials to handle the high impacts inherent to modern freestyle while optimizing the super-light and crisp character that purists love. The S2Maui Jester's pedigree comes from experience designing the most sought after competition sails for some of the world's top freestylers. A moderate aspect ratio, nicely tensioned leech and incredible light weight provide instant reaction, lightning fast rotation and easy ducking. Powerful and rapid to accelerate, the Jester will energize your maneuvers with max pop! Tested together with feedback from our talented Freestyle riders Aron Etmon CUR-2 (PWA 2015 Freestyle Youth Champion) together with top US rider, Bryan Metcalf-Perez.

Aron Etman:

"Really powerful, light sail with lots of lift even in lighter winds. Although the sail is easy and fast during rotation, it stays in control."

Artur Szpunar:

Our most technically advanced Freestyle sail yet, the 2020 Jester uses, super-clear-Optical X-ply film in impact areas combined with the crisp creation of monofilm in forward and upper body. Super Light Technora Spacelight use has been expanded in the leech for quicker reaction, improved tension and strength. A Dacron luff panel provides smooth transitions.

JESTER Specs

Size	Mast	IMCS	Luff	Boom	Downhaul	Head	Battens
4.0	370	17	377	148	7	Fixed	4
4.4	370	17	391	155	21	Fixed	4
4.8	400	19	410	160	10	Fixed	4
5.2	400	19	423	167	23	Fixed	4
5.6	430	21	438	174	8	Fixed	4
6.2	430	21	459	189	29	Fixed	5



BANSHEE

Performance RAF FreeRide/FreeRace/FreeFoil

The **2020** Banshee benefits from S2Maui's intense Venom race sail development program. As a high performance, ultralight RAF (camless) Freeride/Freerace/FreeFoil sail the Banshee provides amazing speed, power and lightweight handling that puts many cambered sails to shame. Superlight weight and progressive leech twist give energetic early planning and instant acceleration. The center of effort is perfectly balanced low and close to the rider for maximum control and Race-derived *Focus-Point™* shaping locks a clean and stable profile.

The Banshee's powerful shaping and stability is also perfectly suited to performance minded wind foil riders. Its exceptional power to size ratio and incredible light weight allow for perfectly balanced foil flight even in the lightest of winds.

The Banshee offers exceptional speed, performance and versatility from Freeride to Foil, all with the ease of a camless sail

Casey Hauser:

"The no-hassle, light weight slalom rig, the Banshee's ease of use is second to none for back and forth blasting. I am always surprised with how easy it is to go fast and rip through planing jibes, and am always stoked when I get back to the beach."

Artur Szpunar:

The 2020 Banshee has a refined shape to the SpaceLight Twist zone which together with luff curve shaping refinements increases the lower profile stability and expands wind range. Leech twist borrows from Venom, but with additional focus on low end power required for Freeride and Foil. New "Bright Molten Red" Technora™ Spacelight™ in 2 different thickness is precisely aligned together with the new "Intense Blue Metallic" Technora™ Spacelight™ for a superlight and reactive leech. Race Quality Tube battens in mid sail body

BANSHEE Specs

Size	Mast	IMCS	Luff	Boom	Downhaul	Head	Battens
5.8	430	21	436	177	6	Fixed	6
6.4	430	21	443	188	13	Fixed	6
7.0	460	25	464	198	4	Fixed	6
7.6	460	25	478	209	18	Fixed	6
8.2	460	25	487	219	27	Fixed	6



Photo by Erik Aeder



Photo by Erik Aeder



SR MAUI

BANSHEE

SLINGSHOT

Photo by Erik Aeder

S2MAUI MAST RANGE

S2 Maui's mast range has been built to follow the no-compromise performance philosophy of everything that we do. We have kept the range simple with each mast product incorporating the optimum combination of light weight and strength for its purpose. Kevlar reinforcement in the bottom section of all masts distributes load and provides impact protection, ensuring excellent durability. Our masts are built with a versatile constant curve bend that when combined with 100% carbon prepreg construction gives an incredibly responsive and dynamic feel to the entire rig. In addition to suiting S2 Maui rigs perfectly, our masts are also compatible with many other constant curve brands. Our bend percentages range between 63-65 bottom to 74-76 top depending on model and size.

NORTH SHORE

S2Maui's high performance and high strength, 100% prepreg carbon RDM wave mast is the optimum spar to complement the ultra-light feel of our wave sails. High strength Kevlar reinforced bottom gives you the best of both worlds, a high performance wave mast that is built to handle the abuse of a North Shore winter.

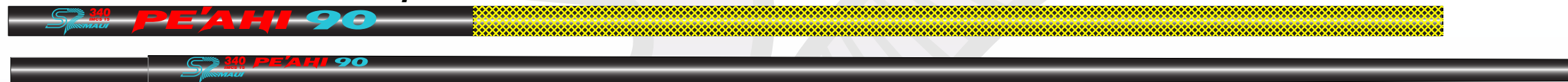
NORTHSHORE Specs: SIZE / IMCS 340/15 370/17 400/19 430/21



PE'AHU

S2Maui's all new PE'AHU 90 mast is built with the #1 goal of extreme strength for riders who are notoriously hard on gear, with high wall thickness and a top integrated ferrule. Testing involved extensive abuse at Pe'ahi (Jaws), Big Ho'okipa and Cloudbreak during the Fall, Winter and Spring of '18/19 and showed outstanding resistance to breakage.

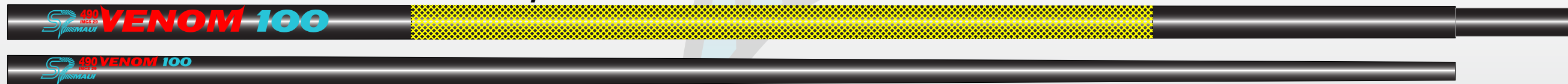
PE'AHU Specs: SIZE / IMCS 340/15 370/17 400/19



VENOM 100

Designed for a perfect synthesis with S2Maui's VENOM race sails, the VENOM 100% carbon race spar is light weight and ultra responsive. Kevlar bottom reinforcement protects from point loading associated with boom clamp and cambers. The constant curve character allows for a very progressive leech twist pattern and an ultra efficient rig that dynamically breathes and accelerates with every gust.

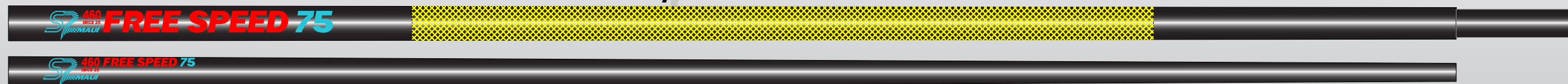
VENOM 100 Specs: SIZE / IMCS 400/19 430/21 460/25 490/29



FREESPEED 75

75% Carbon SDM is perfect for Freeride performance. Light, responsive and durable. Makes the S2Maui BANSHEE come to life.

FREESPEED 25 Specs: SIZE / IMCS 430/21 460/25



Be a part of it!



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