

PURE FIGHTING SPIRIT
COMBAT 2017



Verano

EXPERIENCE & PASSION





EXPERIENCE & PASSION DEFINE THE BASIS OF THE VERTIGO BRAND. VERTIGO GREW FROM THE IDEA OF CREATING A BIKE TO MATCH THE PASSION THAT EXISTED WITHIN THE TEAM. THE PROJECT WAS BORN WITH NO RESTRICTIONS OR LIMITS, NOTHING WAS BEYOND REACH TO ENSURE THAT THE ABSOLUTE GOAL WAS ACHIEVED. TO GET THE BEST, YOU MUST HAVE THE BEST RESOURCES. VERTIGO COMBINED THE BEST TECHNICAL TEAM, THE BEST DESIGNERS, THE BEST RIDERS, THE MOST ENTHUSIASTIC END USERS AND THE BEST PROFESSIONALS IN EACH AND EVERY DEPARTMENT. ALTHOUGH THEIR SKILLS WERE DIVERSE, THEY SHARED THE SAME EXPERIENCE AND PASSION.

VERTIGO SOUGHT THE BEST IN DESIGN, TECHNOLOGY, INNOVATION AND RESEARCH IN PURSUIT OF EXCELLENCE. EQUALLY IMPORTANT, THE VERTIGO DREAM IS TO DELIVER A DIFFERENT EXPERIENCE, BUILDING A COMMUNITY OF CUSTOMERS AND FRIENDS WHERE, TOGETHER, WE CAN SHARE AND ENJOY THE COMMON PASSION THAT EXISTS. THE VERTIGO CLUB WILL OFFER THE UNIQUE OPPORTUNITY FOR CUSTOMERS TO RIDE AND TRAIN IN AN EXCLUSIVE MEMBERS ONLY PRIVATE PRACTICE AREA, RESERVED FOR YOU AND OTHER VERTIGO RIDERS. **THE VERTIGO DREAM, PASSION AND EXPERIENCE** HAVE BEEN AT THE HEART OF OUR INSPIRATION, INITIALLY, NOW AND ALWAYS.

THE FIRST YEAR OF COMPETITION

WE CAN'T REALLY ASK FOR ANYTHING MORE

2015 / 16	Winner of the SSDT Scottish Six Days Trial with DOUG LAMPKIN
2015	Winner of the British Championship with JAMES DABILL
2015	2 nd position Italian Championship with FRANCESC MORET
2015	2 nd position European Championship with FRANCESC MORET
2015	4 th position World Indoor Championship with JERONI FAJARDO

*Thanks to our oficial riders and
all the Vertigo team that makes it possible.*

All of our two-stroke models have been designed to create a global and balanced unit with an ultra-compact engine which offers an astonishing motor torque through its electronic management system.

2017 CHANGES

COMBAT IMPROVEMENTS



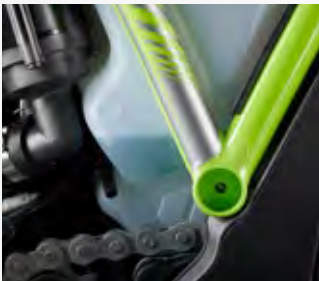
1. ELECTRONIC FUEL INJECTION EFI / NEW ECU MAPPING
For improved performance, increased torque, smother power delivery, more inertia, easier starting and improved fuel consumption.



2. NEW AIR FILTER ELEMENT CAGE



4. NEW EXHAUST MODIFIED DESIGN FOR IMPROVED PERFORMANCE



5. NEW TRANSPARENT FUEL TANK WITH INCREASED CAPACITY



3. NEW RADIATOR WITH IMPROVED WATER FLOW / COOLING



8. NEW REAR MUDGUARD INCREASED FLEXIBILITY



6. MODIFIED FRAME AND SUB-FRAME TO ALLOW EASIER EXHAUST ACCESS

7. NEW RACING LIGHT KIT



9. NEW CRANKCASE CONFIGURATION FOR INCREASED COMPRESSION.



10. NEW ELECTRIC WATER PUMP WITH INCREASED FLOW



11. NEW ALUMINIUM SWINGING ARM PIVOT POINTS



ATTACK WITH INTELLIGENCE

CAMO IS A SAFE BET. A 100% ACCESSIBLE BIKE, IT WILL PROVIDE YOU WITH ENOUGH CONFIDENCE TO FACE NEW CHALLENGES. ITS GREAT EFFICIENCY MAKES IT THE MOST YIELDING AMONGST ITS SUCCESSORS, CAPABLE OF EVERYTHING, BOTH POSSIBLE AND IMPOSSIBLE.



WHAT'S NEW

- 1 New triple clamp with 4 adjustable handlebar positions.
- 2 New front suspension Tech forks with aluminium sliders.
- 3 Monoshock / swing arm, Vertigo special swing arm combined with multiregulation REIGER monoshock with rebound adjustment.
- 4 New colours / design / graphics.
- 5 New Michelin X11 tyres front and rear.
- 6 Aluminium side stand.

For technical specifications, please refer to page 17.



Right side



Left side A



Left side B





FEEL YOUR BLOOD BOIL

LET YOURSELF BE THRILLED FROM MINUTE ONE WITH THE ICE HELL. IT WILL DELIGHT YOU WITH ITS UNIQUE COMPLEMENTS. A BIKE WHICH WILL TAKE YOU TO THE LIMIT. READY TO COMPETE AND STIMULATE EVEN THE MOST REBELLIOUS SPIRIT.



WHAT'S NEW

- 1 Renthal handlebar and grips.
- 2 Lighter mechanised triple clamp and major advance for more stability.
- 3 Redesigned front frame and lesser weight.
- 4 New front suspension Tech forks with aluminium slider.
- 5 Monoshock / swing arm, Vertigo special swing arm combined with multiregulation REIGER monoshock with compression and rebound adjustment.
- 6 New colours / design / graphics.
- 7 New Michelin X11 tyres front and rear.
- 8 Lighter MORAD rear rim with new decoration.
- 9 10/42 ratio.
- 10 Single sided adjustable eccentric.
- 11 Aluminium side stand.
- 12 Titanium front pipe exhaust.

For technical specifications, please refer to page 17.



Right side



Left side A

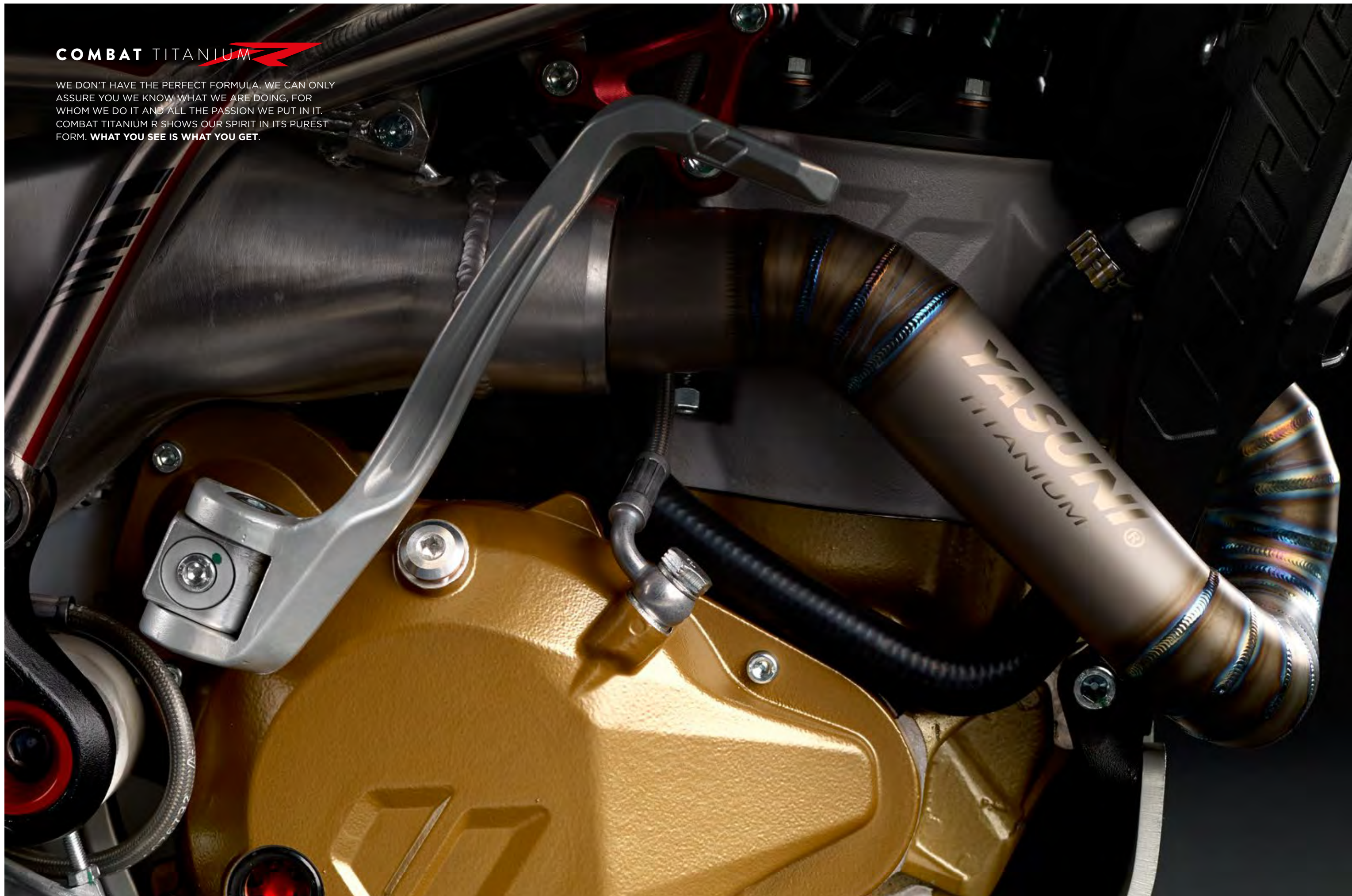


Left side B



COMBAT TITANIUM

WE DON'T HAVE THE PERFECT FORMULA. WE CAN ONLY ASSURE YOU WE KNOW WHAT WE ARE DOING, FOR WHOM WE DO IT AND ALL THE PASSION WE PUT IN IT. COMBAT TITANIUM R SHOWS OUR SPIRIT IN ITS PUREST FORM. **WHAT YOU SEE IS WHAT YOU GET.**



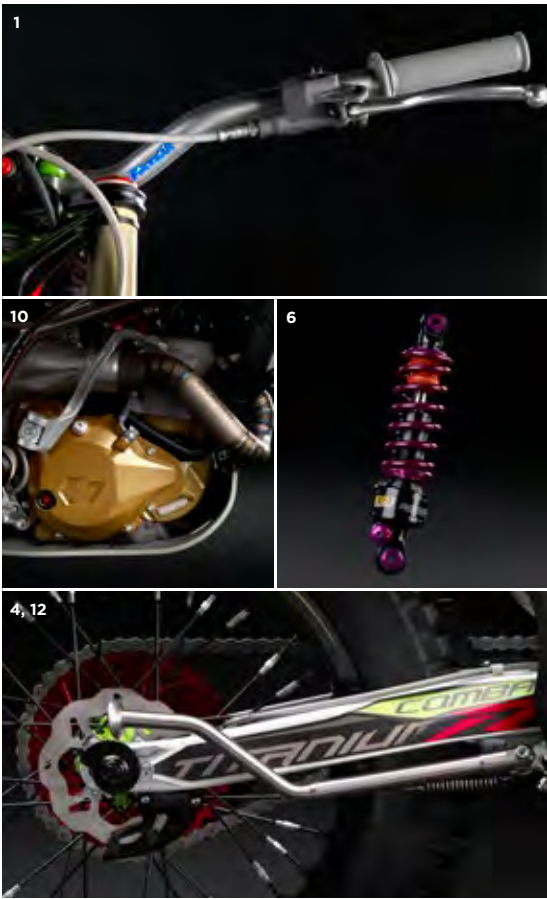


THE ULTIMATE WEAPON

TOP OF THE RANGE, IT IS DESIGNED AS A LETHAL AND INFALLIBLE WEAPON. THIS BIKE SHOWS THE SAME CHARACTER AS ITS SISTERS BUT IT STANDS OUT FOR ITS EXCELLENCE, UNIQUENESS AND TECHNOLOGY. IT IS BORN TO COMPETE AND SATISFY EVEN THE MOST DEMANDING RIDERS.



Left side



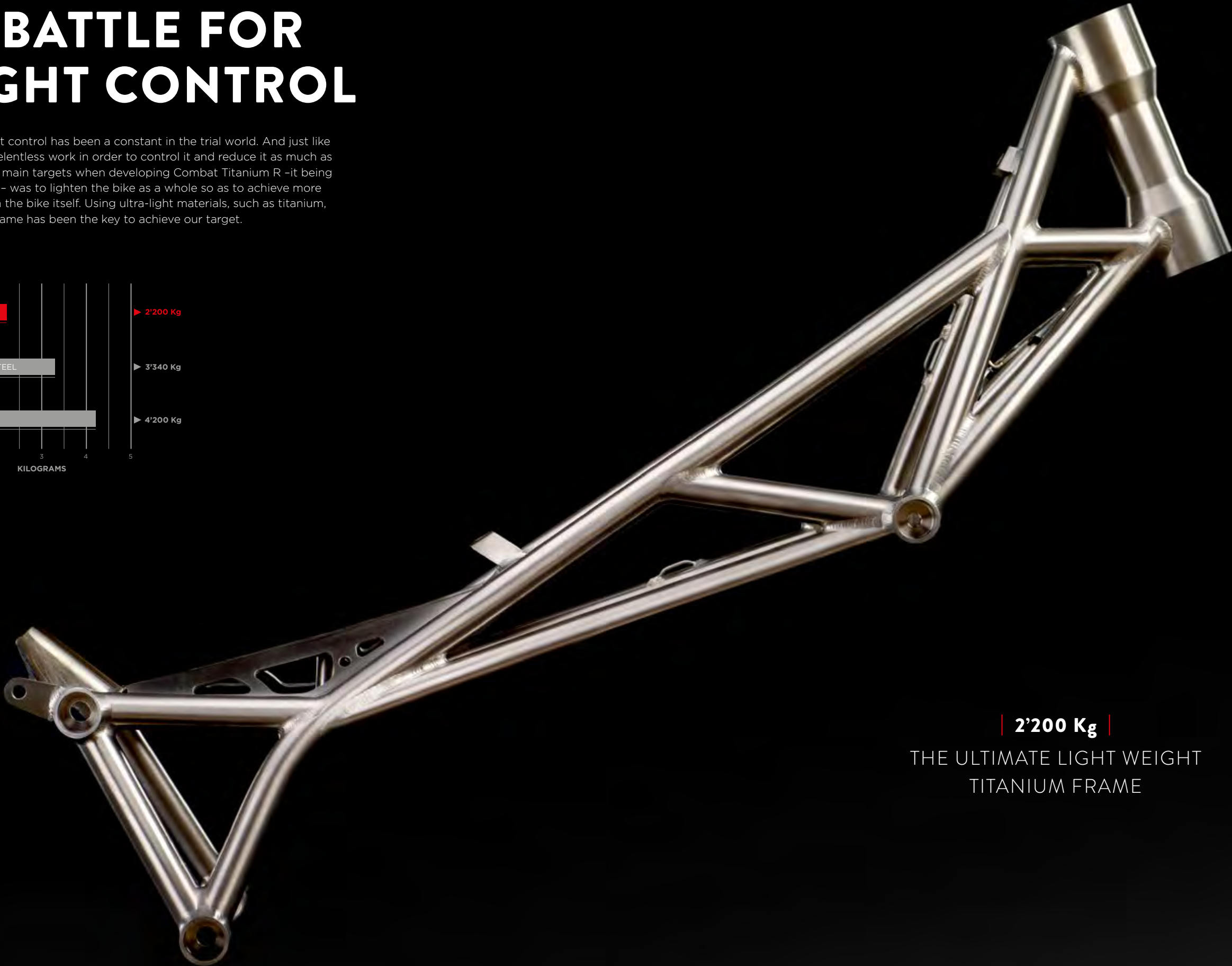
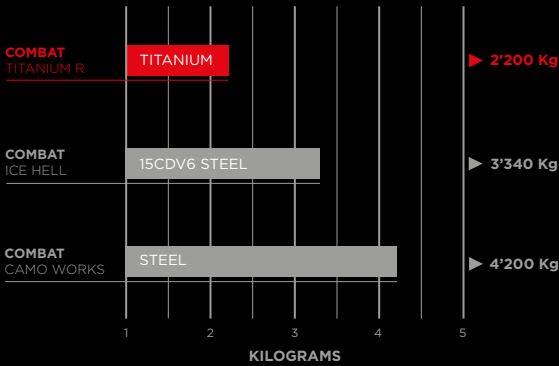
WHAT'S NEW	
1	Renthal handlebar and grips.
2	Lighter mechanised triple clamp and major advance for more stability.
3	Titanium frame.
4	New magnesium swingarm.
5	Front Tech suspension with aluminium bar.
6	Monoshock / swing arm, Vertigo special swing arm combined with multiregulation REIGER monoshock with high/low speed compression and rebound adjustment
7	Exclusive decoration.
8	Michelin XLight tyre.
9	Lighter MORAD rear rim with new decoration.
10	New magnesium crankcase with more compression.
11	Single sided adjustable eccentric.
12	Titanium side stand.
13	Titanium front pipe exhaust.

For **technical specifications**, please refer to page 17.



THE BATTLE FOR WEIGHT CONTROL

The battle for weight control has been a constant in the trial world. And just like any jewel, it needs relentless work in order to control it and reduce it as much as possible. One of the main targets when developing Combat Titanium R -it being almost an obsession- was to lighten the bike as a whole so as to achieve more control and agility in the bike itself. Using ultra-light materials, such as titanium, when building the frame has been the key to achieve our target.



| 2'200 Kg |
THE ULTIMATE LIGHT WEIGHT
TITANIUM FRAME

2015 / 16 Winner of the SSDT Scottish Six Days Trial with a Vertigo **Combat**.






DOUG LAMPKIN
VERTIGO AMBASSADOR



EXPERIENCE & PASSION


































TECHNICAL DATA

Technical specifications and comparison chart for the three Combat models.




































COMBAT MODELS						
	COMBAT CAMO WORKS		COMBAT ICE HELL		COMBAT TITANIUM	
Engine	2 stroke engine					
Engine size	250 ^{cc} EFI	300 ^{cc} EFI	250 ^{cc} EFI	300 ^{cc} EFI	250 ^{cc} EFI	300 ^{cc} EFI
Power	25 HP / 9200 rpm	31 HP / 9200 rpm	25 HP / 9200 rpm	31 HP / 9200 rpm	25 HP / 9200 rpm	31 HP / 9200 rpm
Torque	4,0 Kg.m / 4500 rpm	4,9 Kg.m / 4500 rpm	4,0 Kg.m / 4500 rpm	4,9 Kg.m / 4500 rpm	4,0 Kg.m / 4500 rpm	4,9 Kg.m / 4500 rpm
Gearbox	6 speed gear, 4 gear trials developed, each one ECU controlled					
Clutch	Oil weet multidisc					
Radiator	V special design, adapted to frame shape					
Ecu engine control unit	Vertigo design, controlling: gear position, engine temp, pressure, fuel pump, water pump, electric timing					
Engine control sensors	Integrated injection driver					
	Integrated starter driver					
	Barrel gear sensor, can control each engaged gear					
	Protocol can 2.0 B					
	Crankshaft position sensor					
	PWM pump water control					
Battery	Engine fun control sensor					
	Small battery ultracapacitors					
Powerbox ECU	Vertigo design, control all the electrical power, save all the components from short circuit					
Manifold	Stainless steel					
Weight	69 kg		68 kg		65 kg	
Frame	25CRMO4 steel + aluminum 6082		15CDV6 steel + aluminum 6082		Titanium 6082 + aluminium 6082	
Swing Arm	Cast aluminum pivoting points arm, 2 pivot swivel points swing arm				Magnesium 2 pivot swivel points swing arm	
Front Suspension	Tech Alu black		Tech Alu Gold			
Rear Suspension	Monoshock / swing arm, Vertigo special swing arm combined with multiregulation REIGER monoshock with rebound adjustment		Monoshock / swing arm, Vertigo special swing arm combined with multiregulation REIGER monoshock with compression and rebound adjustment		Monoshock / swing arm, Vertigo special swing arm combined with multiregulation REIGER monoshock with high/low speed compression and rebound adjustment	
Front Mudguard	Double injection, PPR / TPR combined components					
Rear Mudguard	Double injection, PPR / TPR combined components					
Airbox	high capacity upper airbox, 1,1l capacity, airbox on top					
Gas tank	HIGH CAPACITY LOW CG, 2,7l capacity, low and centered Gravity Center position					
Gas cap cover	PPR Clip Cover, PPR Cover over gas tank cap bayonet type					
Exhaust muffler	Symmetric and centered silencer					
Handlebar	Vertigo		Renthal			
Rim	Morad					
Cranckcase	Aluminum				Magnesium	
Rear axle	Standard chain adjustment		Single action snail-cam chain adjustment			

Correct information at the time of release - Vertigo Motors reserves the right to make amends on the specifications without prior notification.

FEATURED POWER PARTS






























CLOTHES	 Trial t-shirt ET-0001-S/M/L/XL	 Trial trousers ET-0002-S/M/L/XL/XXL	 Breathe jacket ET-0003-S/M/L/XL/XXL	 Matrix jacket lime ET-0011-S/M/L/XL	 Team hoodie EM-0007-S/M/L/XL
 Vertigo short socks ET-0006-M/L/XL	 Neckband ET-0005	 Team collar sweatshirt ET-0009-S/M/L/XL	 Vertigo black cap ET-0016	 Vertigo lanyard ET-0007	 Green vertigo gloves ET-0020-XS/S/M/L/XL/XXL
 Vertigo goggles ET-0034	 Vertigo belt ET-0035	 Team white shirt EM-0006-S/M/L/XL	 Team jeans EM-0005-S/M/L/XL/XXL	 Rumfort sweatshirt EM-0004-S/M/L/XL	ACCESSORIES
 Vertigo travel bag ET-0009	 Vertigo rolling backpack ET-0010	 Vertigo umbrella ET-0017	 Vertigo aluminium tent ET-0019	 Vertigo vinyl 150x32.5cm ET-0021	
 Vertigo vinyl 100x21.7cm ET-0022	 Vertigo vinyl 50x10.9cm ET-0023	 Vertigo black flag ET-0024	 Vertigo white flag ET-0025	 Lag base ET-0026	 Vertigo rubber bracelet 202 mm ET-0028
 Vertigo rubber bracelet 180 mm ET-0029	 Vertigo sticker ET-0030	 Combat Camo Works sticker ET-0031	 Combat Ice Hell sticker ET-0032	 Upy lift bike V-0612	 Vertigo advertising stickers set V-0649

Vertigo keeps the right to change the prices without notice.

 Black brake lock V-0655	 Cap valve green V-0762	 Spark plug transporter V-0763	 Trial tape marker ET-0027	 Protector trailer hitch V-0931	 Green brake lock V-0931
 Green cover clutch oil pump V-0936	 Black clutch pump cover V-0937	 Titanium clutch pump cover V-0938	 Red clutch pump cover V-0939	 Green brake pump cover V-0940	 Black brake pump cover V-0941
 Titanium brake pump cover V-0942	 Red brake pump cover V-0943	 Sticker back rim combat works set 6 V-0960	 Sticker front wheel com- bat works set 4 V-0961	RACING PARTS	 Titanium exhaust V-0624
 Magnesium crankcase V-0628	 Renthal handlebar V-0627	 Titanium right swingarm semiaxis V-0698	 Titanium left swingarm semiaxis V-0699	 Titanium tie rod linkage V-0700	 Titanium right footrest support V-0701
 Titanium left footrest support V-0702	 Titanium screw m10x70mm V-0703	 Titanium screw m10x40mm V-0704	 Titanium screw m10x80mm V-0705	 Titanium screw m10x40mm V-0706	 Titanium screw m8x16mm din 7991 V-0709
 Titanium screw m8x28mm V-0710	 Titanium screw m8x45mm V-0711	 Titanium screw m8x20mm V-0712	 Titanium screw m8x50mm din 6912 V-0713	 Titanium screw m6x14mm V-0715	 Titanium screw m8x25mm din 912 V-0716

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FEATURED POWER PARTS

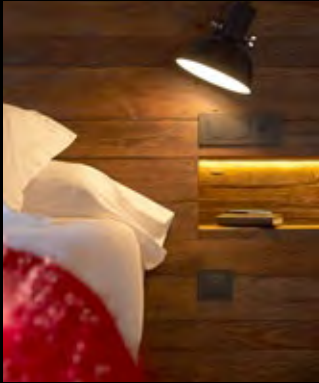
 <p>Titanium screw m8x12mm din 912 V-0717</p>	 <p>Aluminium red right swingarm semi-axis V-0735</p>	 <p>Aluminium red left swingarm semi-axis V-0736</p>	 <p>Magnetic kill switch V-0738</p>	 <p>Carbon fiber upper clutch cover protector V-0826</p>	 <p>Carbon fiber upper ignition cover protector V-0827</p>
 <p>Carbon fiber upper exhaust protector V-0828</p>	 <p>Ignition cover separator 10mm V-0844</p>	 <p>Inertia 550 gr V-0845</p>	 <p>Inertia 366 gr V-0846</p>	 <p>Ignition coil spacer 5mm V-0847</p>	 <p>Titanium screw m5x20mm din 912 V-0853</p>
 <p>Titanium screw m5x30mm din 912 V-0856</p>	 <p>Titanium advanced right footrest support V-0881</p>	 <p>Titanium advanced left footrest support V-0882</p>	 <p>Aluminium red right cylinder support V-0883</p>	 <p>Aluminium red left cylinder support V-0884</p>	 <p>Titanium side stand V-0924</p>
 <p>Ice hell rear sprocket z38 black V-0898</p>	 <p>Carbon fiber upper right side subframe protector V-0901</p>	 <p>Carbon fiber upper left side subframe protector V-0902</p>	 <p>Carbon fiber 3k clutch cover protector V-0905</p>	 <p>Carbon fiber 3k ignition cover protector V-0906</p>	 <p>Transparent fuel tank V-0839</p>
 <p>Upper triple clamp 45/1 V-0691</p>	 <p>Lower triple clamp 45/1 V-0692</p>	 <p>Kit compression front fork V-1044</p>	 <p>Regina chain 103 V-1031</p>	 <p>Front sprocket Z10 V-0313</p>	

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SIMPLY ENJOY
YOUR VERTIGO.
WE TAKE CARE
OF THE REST.

VERTIGOMOTORS.COM



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WORLD



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RESTAURANT MÍTIC

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Mític
Restaurant, Bar, Lounge

COMBAT MODELS

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