



12 YEARS

EXPERIENCE
IN TITANIUM BIKES

IN PORTUGAL SINCE
2013



TRITAO

WE KNOW
EVERYTHING
ABOUT
TITANIUM
FRAMEBUILDING



ABOUT US:

Since 2011 our team of professional framebuilders has designed and built hundreds of custom titanium bicycles of all kinds, from classic roadies to hardcore adventure bikes.

In 2023 we established Tritao Cosmopolita company in the heart of the European bicycle industry in Aveiro, Portugal. Since then, all our bikes are handbuilt in Portugal.

Our products are famous for their modern engineering techniques, best in class titanium TIG welding and precisely machined CNC parts.



TRITAO

OUR PARTNERS:

BJÖRN

CHRIS
KING



Deda

FSA

garbaruk

ONYX
RACING PRODUCTS

SHIMANO

SRAM

pinion

MAHLE

REYNOLDS

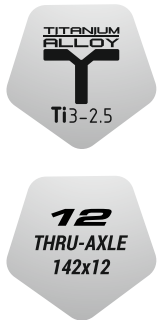
Rolf
PRIMA
WHEEL SYSTEMS



WOLF TOOTH

GROONT

THE
ULTIMATE
GRAVEL
MACHINE



GROONT

A uniquely versatile gravel machine to take you down the fastest roads and into the chunkiest unknowns.

Groont offers all you need for adventure:

- 3x bottle cages
- Mounts for: fenders, racks, bento box
- Large front triangle for sizable frame bag
- Tire clearance with ample room for mud: 700x45 mm or 650x590 mm — thanks to our CNC machined half yoke

The Groont is dialed for performance and comfort:

- Oversized front triangle tubing for a stiff and stable ride, even when fully loaded
- S-bent seatstays for that magic titanium comfort on tough roads
- Dropper ready! 30.9 mm seat tube ID for a variety of dropper post options. 27.2 mm adapter shipped with every frame
- Transmission diversity: 1x up to 48T narrow - wide or 2x from semi - compact to standard
- Brake mount: CNC machined flatmount 140 mm
- CNC machined driveside half yoke with internal cable routing

UDH version available upon request

Warranty: 10 YEARS
NON-TRANSFERABLE

GEOMETRY AND SPECS

GEOMETRY	48	50	52	54	56	58	60
Head tube angle,°	68.5°	69.5°	70.0°	71.0°	71.5°	71.5°	71.5°
Seat tube angle,°	75.5°	75.0°	74.5°	74.0°	73.5°	73.5°	73.5°
Top tube horizontal, mm	490	510	520	540	560	580	600
Head tube length, mm	100	120	140	160	180	200	220
Seat tube center to top,mm	430	450	490	530	550	570	590
Bottom bracket drop, mm	70	70	70	70	70	70	70
Chainstay length, mm	430	430	430	430	430	430	430
Front center, mm	591	599	601	607	612	637	658
Wheelbase, mm	1011	1019	1021	1027	1037	1057	1079
Standover height, mm	700	726	755	782	800	816	838
Reach, mm	354	364	364	371	380	393	408
Stack, mm	525	545	566	589	610	629	648

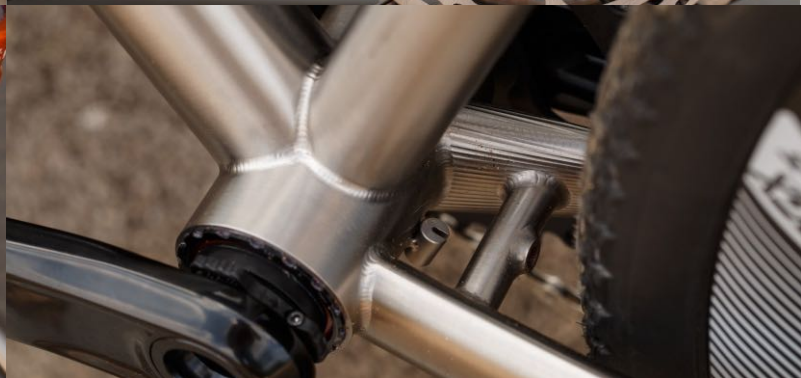
FRAME SPECS	
Head tube	44 mm ID, for tapered steerer forks
Bottom Bracket Shell	T47 86.5 mm threaded BB (compatible with most cranksets)
Seat Post	30.9 mm (27.2 mm shim included)
Seat Clamp	34.9 mm
Dropouts	Paragon Flanged 142x12 thru, classic or Shimano direct mount replaceable hanger
Max. Tire	Up to 700x45 mm or 650x50 mm
Cable Routing	All internal with replaceable cable ports for 1x, 2x, Di2/EPS or Tap/AXS
Brake Type	Disc, flatmount one piece high precision CNC
Finish options	Hand brushed glossy or bead blasted matte
Graphics	Tritao + Groont. Custom graphics for an extra
Fork	Designed to work with 398 mm axle to crown forks, 47-52 mm offset

COMPLETE BIKE

Triton Groont Gravel Integrado, Internal cable routing, CNC yoke, CNC flatmount disc, 142x12 thru axle			
Transmission / brakes	Sram Rival AXS 1x12	Bar tape	Deda Presa
Forkl	Speeder Gravel Adventure Carbon	Saddle	Selle Italia NovusEVO Boost Cromoly
Wheelset	Wheelset Deda Gera Alloy	Seat clamp	WolfTooth 34.9 mm (color options)
Tires	Maxxis Rambler 700x40	Bottom bracket	Wheels MFG T47
Sealant	Stan's	Brake Rotors	Sram Centerline
Stem	Deda Zero 100	Headset	WolfTooth Performance (color options)
Handlebar	Deda Gravel 100	Spacers	Deda Kit
Seatpost	Deda Zero 100		



GROONT





GROONT INTEGRADO

Our newest model was designed in partnership with Deda Industries and features their modern DCR cable integration system. The frame shares the same geometry and mounting systems as the original Groont frame but gives your bike a modern clean look with all the cables running internally within the cockpit, frame and fork. Available as complete bikes and framesets with Deda Curvy DCR and Deda Gera EDG DCR forks.

Groont offers all you need for adventure:

- 3x bottle cages
- Mounts for: fenders, racks, bento box
- Large front triangle for sizable frame bag
- Tire clearance with ample room for mud: 700x45 mm or 650x590 mm — thanks to our CNC machined half yoke

The Groont is dialed for performance and comfort:

- Oversized front triangle tubing for a stiff and stable ride, even when fully loaded
- S-bent seatstays for that magic titanium comfort on tough roads
- Dropper ready! 30.9 mm seat tube ID for a variety of dropper post options. 27.2 mm adapter shipped with every frame
- Transmission diversity: 1x up to 48T narrow-wide or 2x from semi-compact to standard
- Brake mount: CNC machined flatmount 140 mm
- CNC machined driveside half yoke with internal cable routing

UDH version available upon request

Warranty: 10 YEARS
NON-TRANSFERABLE

GEOMETRY AND SPECS

GEOMETRY	48	50	52	54	56	58	60
Head tube angle, °	68.5°	69.5°	70.0°	71.0°	71.5°	71.5°	71.5°
Seat tube angle, °	75.5°	75.0°	74.5°	74.0°	73.5°	73.5°	73.5°
Top tube horizontal, mm	490	510	520	540	560	580	600
Head tube length, mm	115	135	155	175	195	215	235
Seat tube center to top, mm	430	450	490	530	550	570	590
Bottom bracket drop, mm	70	70	70	70	70	70	70
Chainstay length, mm	430	430	430	430	430	430	430
Front center, mm	591	599	601	607	612	637	658
Wheelbase, mm	1011	1019	1021	1027	1037	1057	1079
Standover height, mm	700	726	755	782	800	816	838
Reach, mm	354	364	364	371	380	393	408
Stack, mm	525	545	566	589	610	629	648

FRAME SPECS	
Head tube	52 mm integrated headset
Bottom Bracket Shell	T47 86.5 mm threaded BB (compatible with most cranksets)
Seat Post	30.9 mm (27.2 mm shim included)
Seat Clamp	34.9 mm
Dropouts	Paragon Flanged 142x12 thru, classic or Shimano direct mount replaceable hanger
Max. Tire	Up to 700x45 mm or 650x50 mm
Cable Routing	Fully internal routing: AXS/Di2/EPS only
Brake Type	Disc, flatmount one piece high precision CNC
Finish options	Hand brushed glossy or bead blasted matte
Graphics	Tritao + Groont. Custom graphics for an extra
Fork	Designed to work with 398 mm axle to crown forks, 47-52 mm offset

COMPLETE BIKE

Triton Groont Gravel Integrado, Internal cable routing, CNC yoke, CNC flatmount disc, 142x12 thru axle			
Transmission	Sram XX1 AXS + RED AXS	Bar tape	Zipp Service Course
Fork	Deda Gera EDG	Saddle	Bjorn Setka
Wheelset	Deda Gera Carbon	Seat clamp	Wolf Tooth 34.9 mm (color options)
Tires	Vittoria Terreno Zero	Bottom bracket	Chris King T47
Sealant	Stan's	Brake Rotors	Sram Centerline X Road
Stem	Deda Superbox	Seatpost	Deda SuperZero
Handlebar	Deda SuperZero Gravel		





TRITAO

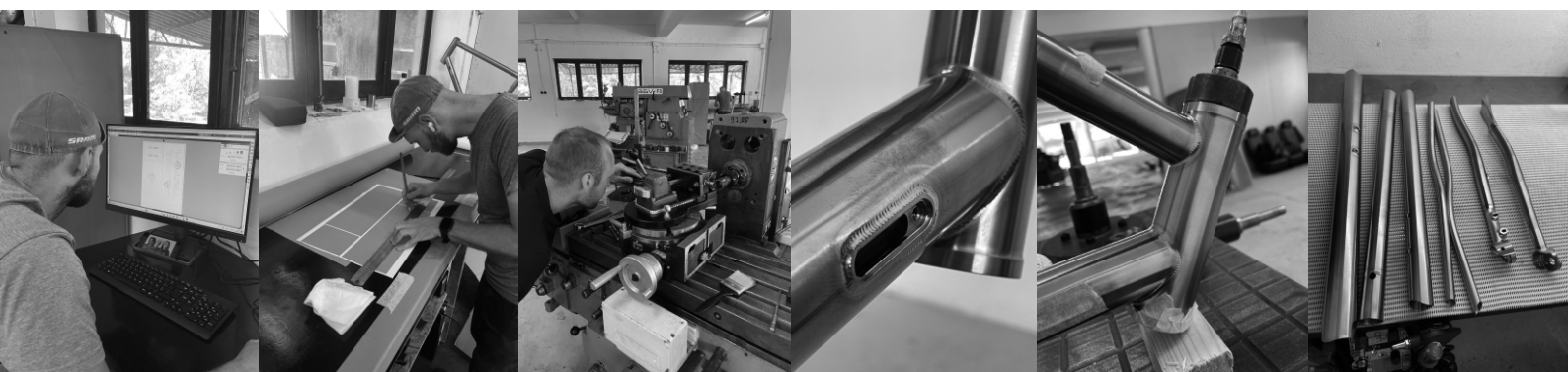
YOUR
TITANIUM
DREAM

TRITAO CUSTOM BIKES PROGRAM

We can make your bicycle dream come true.

Weird frame sizes, oversized tubes, unusual choice of components, crazy anodizing, all silver, big tires, narrow tires – you name it.

We have built some spectacular bikes. Fat bikes, belt driven bikes, IGH and gearbox bikes, kids' bikes, old school bikes – just send us an inquiry and we will do our best to give you an offer.







TRITÃO

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