


BRIDGE

READY TO RIDE 2022





"The bike frame is a bridge on wheels,
built to carry people over the ground."

The Modern Bicycle and its Accessories, 1898

AUTHENTIC FULL CYCLE

Design.
Engineering.
Manufacturing.
Community.
Under one roof.

BRIDGE was founded with a vision to create a better carbon bike. One that is designed, precision-engineered and built locally. One that is hand-crafted in North America by a team with an unparalleled passion for attention to detail, from product to experience. One that celebrates the relationship between rider and bike, the places you choose to ride, and the community that riders create.



A close-up shot of two men, Frank and Mike, in what appears to be a workshop or gym. Frank, on the left, is wearing a dark green t-shirt and has his hands clasped near his face, looking intently at Mike. Mike, on the right, has a full dark beard and is wearing a light purple t-shirt, looking back at Frank. The background is blurred, showing some equipment and shelves.

Sweating the details.
Always.

This is **Frank**.

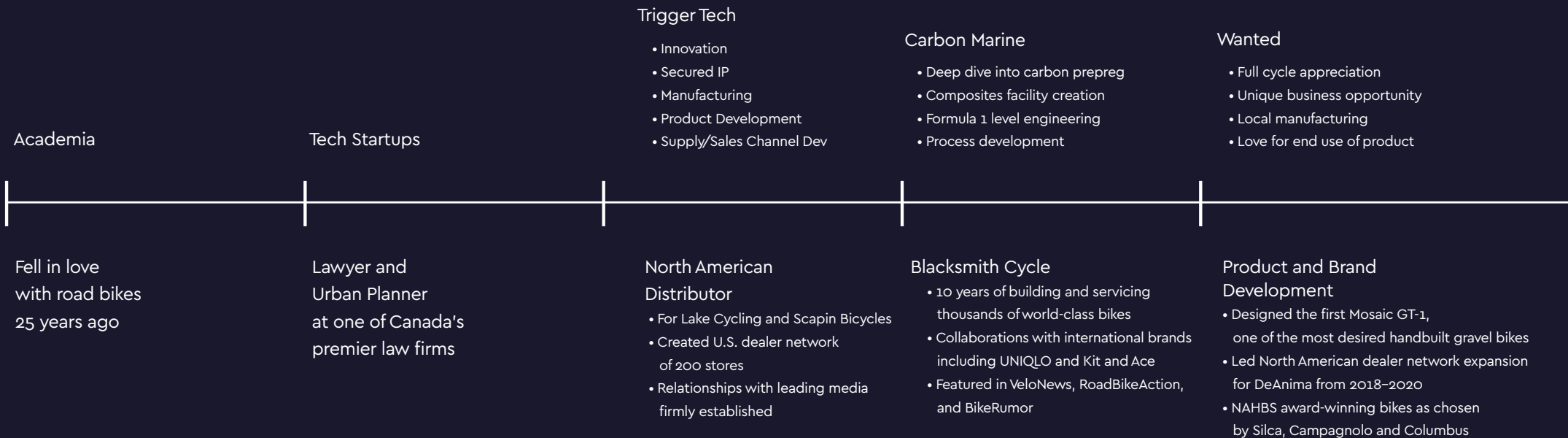
This is **Mike**.

TWO PATHS, ONE BRIDGE

Frank Gairdner and **Mike Yakubowicz**, BRIDGE's founders, have followed different routes to end up in one place today...

Frank

So, what does a guy with a Masters degree in Philosophy do when he graduates? He becomes an entrepreneur. At the age of 28, Frank started his first venture, Trigger Tech, a technology company that developed, manufactured a patented mechanism for the sporting and hunting industry. It was one of the fastest growing Canadian companies in 2020. From there, he led Carbon Marine as its first CEO, a high-performance, luxury carbon fiber powerboat builder where he was trained in carbon pre-preg production. His deep experience in starting companies and proven ability to launch commercial and OEM products internationally led him to create BRIDGE.



Mike

A municipal lawyer with a Masters in Environmental Studies specializing in urban planning hops on a bike. What does he do next? Quits practicing law and opens one of the world's most distinguished custom bicycle design studios, Blacksmith Cycle. For over a decade, Mike has partnered with world-class brands from product ideation to launch, including being recognized by Campagnolo, Columbus and Silca at the North American Handmade Bicycle Show. His passion lies at the intersection between art and technology. BRIDGE is the perfect place to put that into practice.

BRIDGE



**Made local.
Built with structural integrity.**



OUR DIFFERENCE

Engineer like the big boys.
Craft like the artisans.
Offer value to be true to who we are.

We are building a product that has the attention to detail and hand-built nature of boutique brands with the dedicated professional engineering, design and production of the big brands.

Our commitment to doing this at a world-class level, meant we needed to assemble an amazing team with proven experience with big brands and boutique builders and create our own vertically integrated facility to make it happen.



EMBEDDED ENGINEERING

Our desire to build a better bike started with building a better team. With decades of combined experience working for major cycling brands, on some of their ground breaking projects, our dedicated team of in-house engineers means that we're starting with a significant advantage.



Thanos Drivas
P. Eng. | Senior Engineer

We searched for an in-house engineer with a complex degree name. Here's what we found in Thanos: Masters Degree in Applied Science with focus on Automated Manufacturing of Composite Material. He's as smart as that title sounds and has been advancing the sporting goods industry since he graduated. He was the former Senior R&D Engineer at Cervélo, the Lead Engineer on VeloNews Award winning bike designs, and a patent inventor for Great Britain Aero Track Bike. He's here to build not just a better bridge, but the best BRIDGE.



Richard Matthews
P. Eng. | Co-Senior Engineer

What happens when you ask an aerospace engineer to design a bike? You get one of the lightest, stiffest road racing frames on the market. Richard did that with the Cervélo R5ca. He has over 25 years of significant industry experience focused on product design and engineering, specializing in composite materials and structural design. A high performance leader, that has worked on everything from spacecraft to projectors. As we shoot for the moon, we're glad he's a part of our team, not theirs.

From design to prototyping to fabricating we have set a very high benchmark for ourselves.



OUR HOUSE

What does in-house mean to us?

We engineer from the ground up.

We cut our own tooling.

We design our laminate schedule.

We hand-lay our carbon fibre.

We finish and paint all bikes.

And we assemble and ship.

All from our Toronto facility.



Hands on.
Everything.



OUR PROCESS

All of our processes are completed in our facility. Our attention to detail is focused on each step of the way. We know your bike from the inside-out.

Our framesets are built with premium pre-impregnated (pre-preg) carbon fibre. Our proprietary layup schedule optimizes strength, weight and comfort and our carbon fork has two unique rakes to maintain ride characteristics across all 5 sizes.

We custom form latex bladders to produce consistent quality parts and every prepreg ply is precisely CNC cut on our Autometrix cutting table to maximize material usage and provide repetitive consistency. We wrap these plies around the bladder and insert the raw part into a tool that we mill in-house using our HAAS CNC. The tool with the raw part is then placed in our 50 ton heated press for precision curing.

This process can yield higher quality laminated parts than those typically seen in aerospace with the cured parts assembled and bonded together using aerospace grade epoxy.

All of this is done by us.

From creating the mold to carbon cutting to all curing, assembly and painting, we control every stage.



surveyor

Bridge's debut model is an all-road bike designed to perform when you demand it and tackles multi-surface terrain with confidence, comfort, and speed. It is for the rider that wants versatility – play hard, ride hard, and push the limits of road and gravel.



OUR INTENT

We looked at the needs of modern road and gravel riders and created a bike perfect for 90% of the riding most of us do. **An N+1 destroyer.** Not a hardcore gravel bike, not a dedicated crit racer, but incredible for everything in between. All engineering and experience. **No BS.**

You could legitimately win a grand tour on a Surveyor. But you could also win Unbound on a Surveyor. That's what we set out to accomplish. A bike that excels on 28-40 mm rubber.

(Oh, and the "perfect" chainstay length? 417 mm. Tight enough for road racing, but long enough to house a 700x40 mm tire).



OCEAN SKY

surveyor



DRIED SAGE

surveyor



GREY FLANNEL

surveyor



DEEP SAND

surveyor



AGED ROSÉ

surveyōr



CHARACTERISTICS

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STIFF

The D shaped downtube is roughly 60mm in diameter, creating monstrous power transfer. Up front, the proprietary fork with tapered steerer was designed to rail without beating you up. Plus, our T47 bottom bracket design allows for a massive BB without any creaking.

LIGHT

At ~900 grams (no fork or paint) it is close to best in class for the all-road category. Because the Surveyor is handmade to incredibly high standards and quality controlled at every step – achieving light weights without sacrificing durability is a reality.

COMFORTABLE

It's (almost) all about the seat-tube! We started with a sloped top tube (8–10 degrees) which allows for more seatpost exposure and thus more compliance. After much engineering and analysis we chose to use a round seat-tube for a 27.2 seatpost: it is lighter, more durable, but more than anything, it is MORE COMFORTABLE.

VERSATILE

BIG. TIRES. RULE. We promise. For most riding, from neglected Canadian roads to light gravel and dirt, a 30–35mm tire is pretty much perfect. So we kept it simple, we designed a race bike that will take massive tires. Up to 40mm... officially. Wink.

AERO

Why be slower if you don't have to? We don't give up comfort for our aerodynamics, especially since frontal aero is the key.

- Fully internal cable routing
- Wider fork stance for aerodynamics with bigger tires
- D shaped downtube
- Proprietary fork for ideal fork-to-frame transition
- Unique headtube kink for improved airflow
- Stack and reach within 5% of most race bikes

DETAILS

surveyor

MASSIVE TIRE CLEARANCE

without compromises in geometry or aesthetics – no dropped chainstays or seatstays



T47 BOTTOM BRACKET

for industry-leading stiffness and reliability

HEADTUBE DESIGN

non-proprietary headset for flexibility with multiple cockpit options

PROPRIETARY FRAME AND FORK

designed in unison to excel on any surface

ROUND SEAT COLLAR

for simplicity, flexibility and durability

UNIQUE SEAT STAYS

Ultra-thin engineering and wrap-around design for maximum compliance

D SHAPED DOWNTUBE

aerodynamic, stiff, and powerful for every rider

FORGIVING GEOMETRY

suitable for all-roads with lower BB drop and sloping top tube



INTERNAL CABLE ROUTING

1x mechanical or electronic and 2x electronic options

"PERFECT" CHAINSTAY LENGTH

Our offset seat-tube allows for huge tire clearance with incredibly agile handling



GEOMETRY

surveyor

	Size 51	Size 53	Size 55	Size 57	Size 59
Stack	510	539	568	596	625
Reach	376	383	391	398	405
Virtual Top Tube	512.7	527.4	548.5	568.9	584.2
Headtube	90.1	119.7	145.3	173.6	203.0
Head Angle	71°	71.3°	72.5°	72.8°	73°
Seat Angle	74°	74°	73.5°	73°	73°
BB Drop	80	80	78	78	78
Wheelbase	989.47	1004.14	1003.26	1016.55	1029.87
Front-Center	585.7	600.2	598.7	611.9	625.12
Fork A-C	382.5	382.5	382.5	382.5	382.5
Fork Rake	53.1	53.1	45.9	45.9	45.9
Trail*	65.5	63.9	63.3	61.6	60.0
Chain Stay Length	417	417	417	417	417
TT slope	10°	10°	8°	8°	8°
Seat Tube C-T	459.4	487	532.2	559.8	587.9

All measurements are in millimeters unless otherwise specified

* with 38mm Tire



* Specifications accurate as of August 2021 and are subject to change prior to production

SUMMARY

surveyor

Road racing?
Gravel rides?
CX capable?
Hell, Yes.

Engineered and built entirely in Canada,
the creation of Surveyor is a testament
to aiming for the very best.

Frameset only **\$4,999** CAD

Complete Builds Starting at **\$7,999** CAD

Ready-to-Paint Frameset:

Retail price reduced **\$200**

Crash Replacement:

Frameset discount **40%**

READY TO RIDE

SUMMER 2022



**Rolling out.
Shifting to the big ring.**



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