

RE-IMAGINED HAWK GT - 2020

What if the cult classic 80s Honda Hawk GT had a second chance?

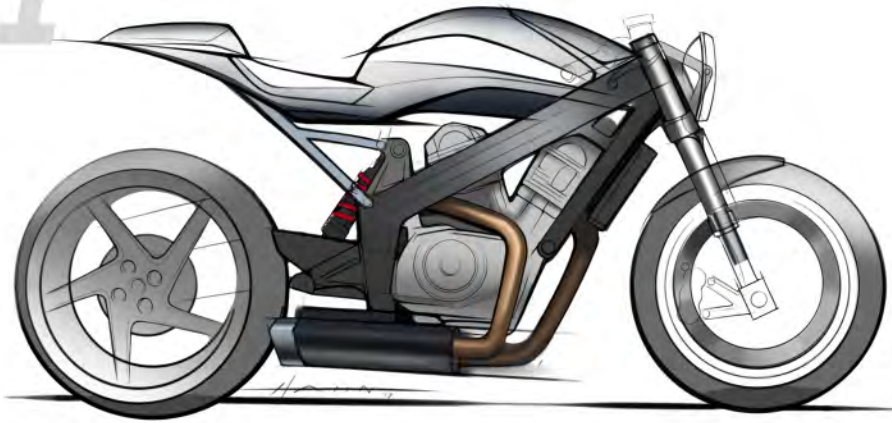
The design explored a re-imagined version of a futuristic track bike with no production limitations and a design that is true to purpose.

- Over 2 year build
- Traditional sketching and clay process
- Modern CAD, 3D printing, and digital rendering
- Digital rendering to prove the initial design
- High quality fabrication and execution



CONCEPT SKETCH

1 CONCEPT BIRD OF PREY



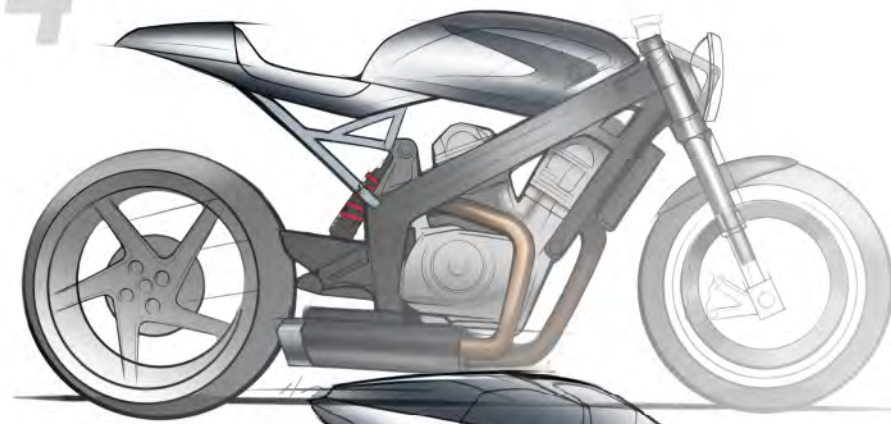
2 CONCEPT STAR SHIP



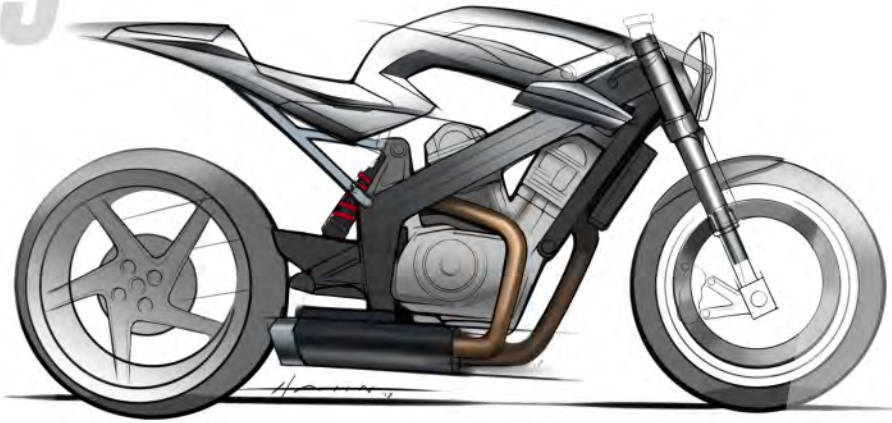
3 CONCEPT FUTURE FAST



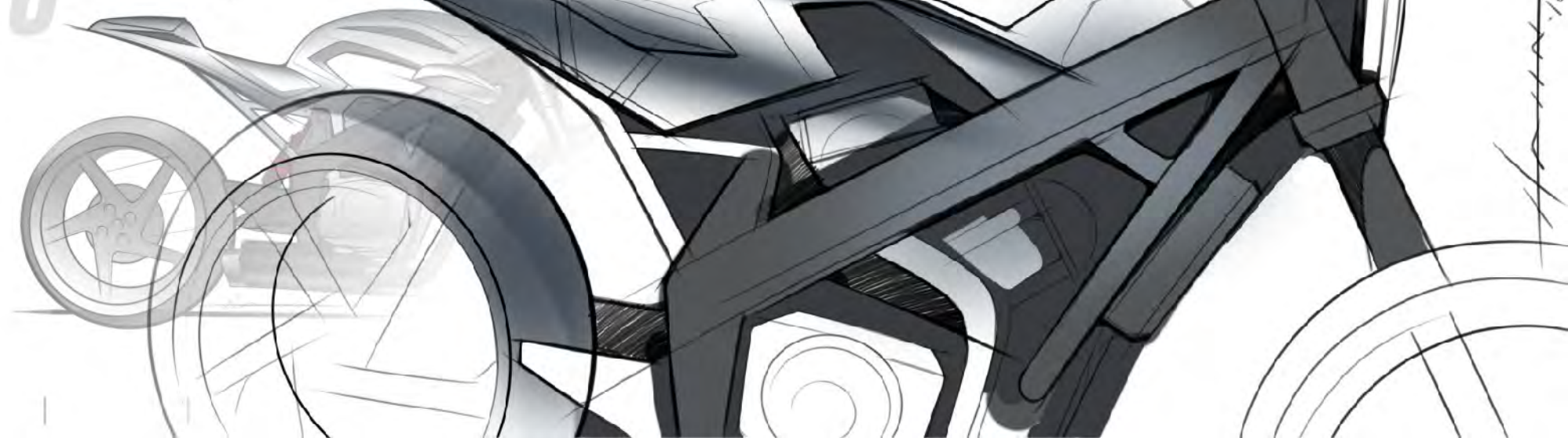
4 CONCEPT RETRO CAFE



5 CONCEPT MECHANICAL



6 CONCEPT HAWK



CARBON FIBER SIDE
BLADE HAS FEATURES
BLEND TO TANK

8.1.18

BUILD COMPONENTS

[MR GASKET 42S
ELECTRIC FUEL PUMP]

[DYNA IGNITION COILS
3.0 OHM TWIN TOWER]

[VORTEX RACING CLIPONS
7 DEGREE - BLACK]

[FRONT FORKS
2009 HONDA CBR 100RR]

[REAR BRAKE ROTOR
VFR 800 INTERCEPTOR]

[FRONT WHEEL
2015 HONDA CBR 1000RR]

[REAR WHEEL
2000 VFR 800]

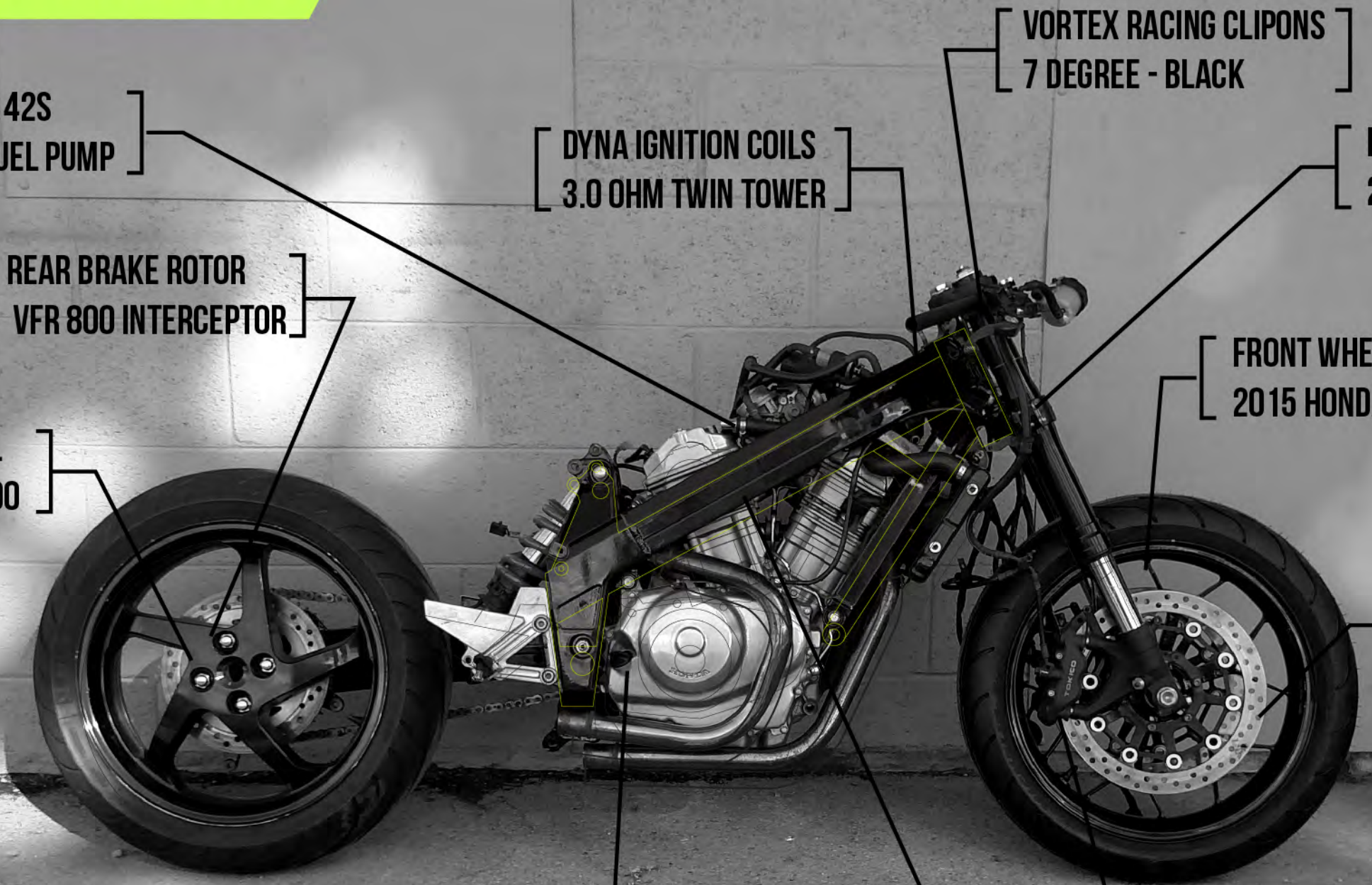
[FRONT BRAKE ROTORS
2012 HONDA CBR 600RR]

[REAR BRAKE CALIPER
2007 VFR 800]

[FOOTREST
HONDA CBR 600RR]

[FRONT BRAKE CALIPERS
2008 HONDA CBR 600RR]

[BLACK POWDER COATED
FRAME AND SWINGARM]



CLAY MODELING

Traditional technique used to explore the design in the physical world over the existing chassis. Chosen sketches established the design direction. Part break-up and transitions were discovered, before 3d scan and translation into CAD.



CLAY TOOLS



WORK IN PROGRESS



3D SCAN



CAD

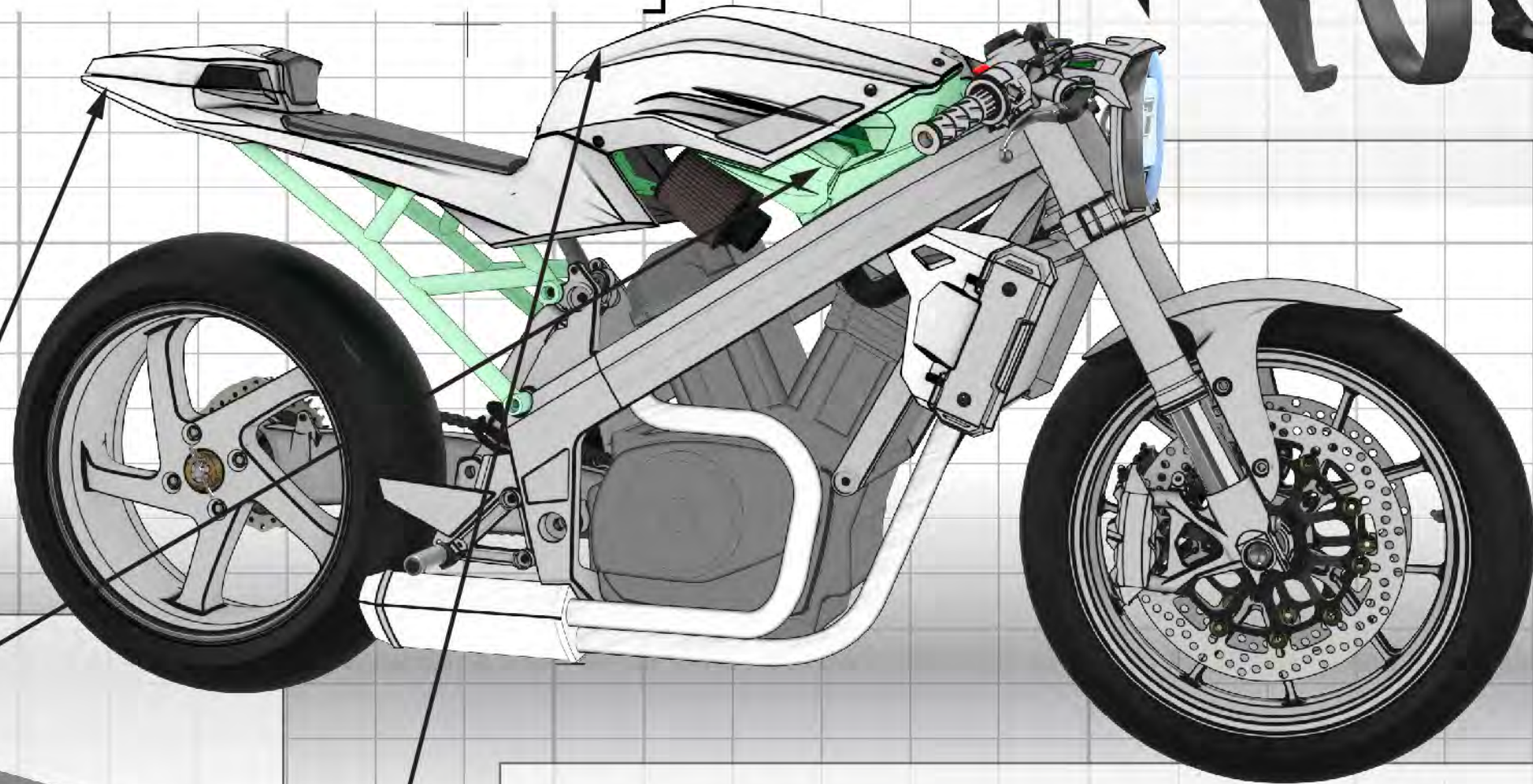
CAD modeled all complex surfaced areas using advanced surfacing techniques. Structural areas were modeled for strength in construction. All part interfaces were modeled is realistic offsets and mechanical mating features



Fuel and Electrical System



Body work



GRAPHIC DESIGN

Glam Racer



Techno Rocket



Sci-Fi Speedster



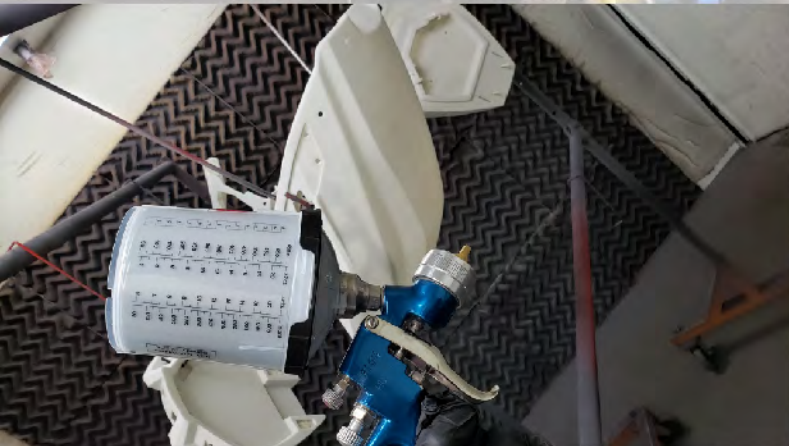
An impactful graphic scheme was needed to grab the attention proven out in digital renderings. Pushed the limits of visual and artistic expression, drawing inspiration from a range concept art to pop culture. The outcome is a futuristic graphic scheme with attitude.



Digital Rendering

FINISHING

Part finishing is key to the overall quality of the build. Proper fitment and clearances were made certain before paint. Many hours prepping and sanding before PPG base coat paint and matte finish clear coat was sprayed.





EVO technologies LLC

Chris Krajewski
Milwaukee, WI

Aided in the mechanical design and CNC of the upper triple clamp. Details like fly cut "M" logo and integrated instrument cluster make this part a success.



Moto-fied Cycles

Nick Petterson
Milwaukee, WI

Nick brought his craftsmanship and attention to detail on the powder coated parts and aided in color selection. Part preparation is key and the parts are beautiful.



Plzbseated

Dane Utech
Chicago, IL

Aided in the design and material selection. Top notch quality construction show through with every detail. A true craftsman

Obsiduo LLC

Matt Zurawski
Milwaukee, WI

Matt aided in the design of the tail section and executed the fabrication. Fixturing meant a great fit and finished off with high quality welds.



Midwest Composite Tech

Hartland, WI

High quality fabrication and prototype manufacture. MCT printed the large bodywork panels SLS glass filled nylon. Great quality and stronger than a production part.

Kuryakyn

Somerset, WI

Slick components that integrate nicely. Turn signals are bright when you need them to be, but discrete when you don't want them to be seen.



