



We Build Things That Work.

# SURFACE TO SOLID

## HOW WE TRANSLATE DESIGN TO SERIES

**We bridge Class A surfaces and manufacturing reality  
– turning design intent into robust, production-ready  
CAD.**

# PROJECTS THAT FEATURE CLASS A SURFACES

Proven experience in **injection molding**, **metalworking**, **glass fiber reinforced plastics (GFRP)** and **automotive surfacing** ensures that even complex **freeform surfaces** can be **translated** into robust, production-ready **SOLIDWORKS** data.



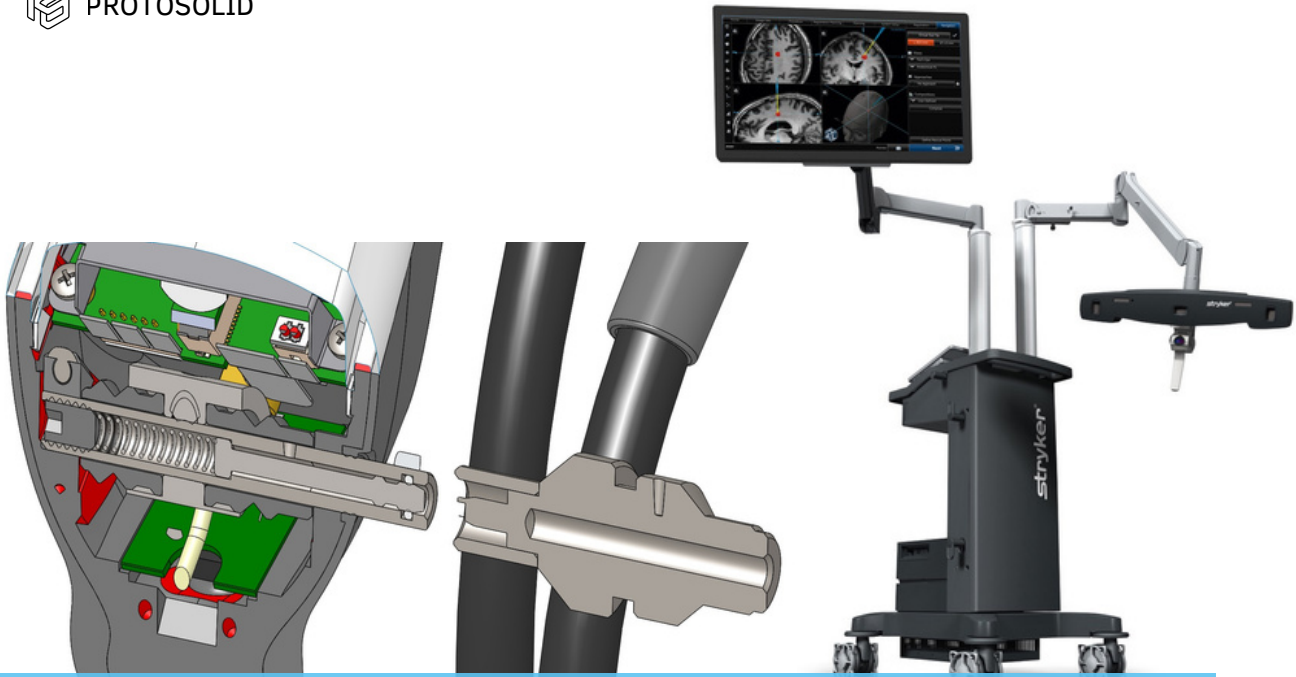
## Every millimeter matters

We fight for every detail of your design. We know exactly when to raise questions if a detail cannot be realized for tooling or manufacturing.

- **Recreational Vehicles (RVs), complete fleet of 8 vehicles**
- **Diverse rail vehicles, including BOMBARDIER TRAXX AC III Last Mile Locomotive**

All vehicle exteriors and interiors were received as surfaces from Alias Wavefront or Rhinoceros. All elements were thickened and made manufacturable with mounting points as invisible as possible. Discussions were always conducted with screen sharing and real-time section views in Solidworks. All data was handed over to the client natively and cleanly structured.





## Supplier-ready deliverables

Our CAD models and drawings are always structured so suppliers can immediately work with them – globally and without endless clarification loops.



- Capital Goods Design: 3D Surgery System Tower
- Multiple injection-molded components and complex assemblies including integrated electronics

Our expertise covers every detail of plastic part design – from draft angles, parting lines, and injection points to ribs and varying wall thicknesses. With material-appropriate construction, we ensure optimal manufacturability, durability, and cost efficiency.



PROTOSOLID was founded by Axel Fett and Florian Kehbel.

We operate from Berlin and Stuttgart, working hybrid with clients across Europe.

Our mission: remove friction from product development by delivering clear, supplier-ready CAD data.  
All projects are secured by strict NDAs.

We are working with full licenses:



Recognized for design. Chosen for results.



# CONTACT

## Let's Make Your Next Idea Production-Ready

- Quick call – understand your needs, no strings attached
- Pinpoint the bottlenecks – where is your project stuck?
- Start with a pilot – small scope, high impact

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