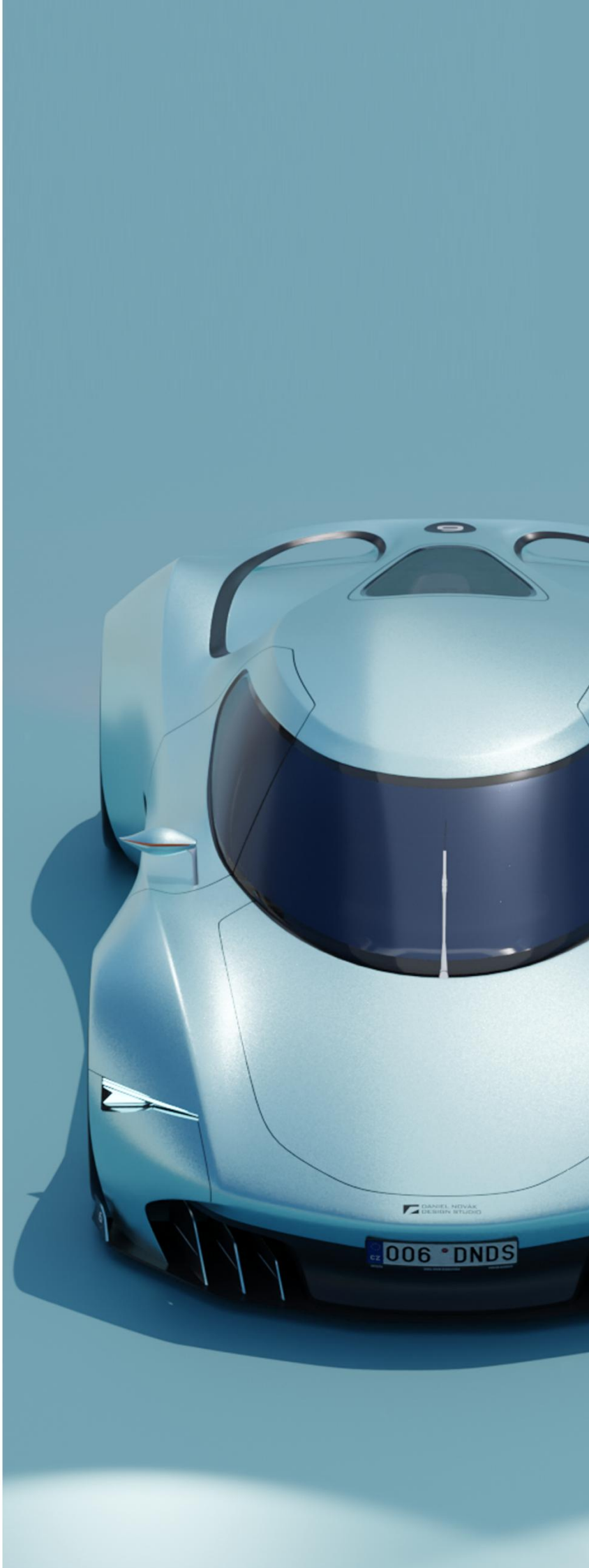


AUTOMOTIVE & PRODUCT DESIGN

Daniel Novák Design Studio

5+ years in automotive & industrial design
End-to-end: sketch to production data



STUDIO



Daniel Novák

Founder & Chief Designer

Independent automotive & industrial design studio based in Mladá Boleslav, Czech Republic — home of Škoda Auto. Full design process from first sketch to production-ready 3D data: exterior styling, 3D modeling, visualization and robot design incl. kinematic model + URDF output. Background includes Aufeer Design and consultations with Škoda Auto designers.

CAPABILITIES

Exterior Form Design

Vehicles & products, concept to CAD.

Automotive Design

Sketch → 3D surface
→ marketing render.

Robot & URDF

Kinematic model, URDF output.

Product Redesign

Modernizing aging product lines.

3D & Visualization

Renders, AR 1:1 data, animations.

Livery & Color

Aircraft, vehicles, surface treatment.

CLIENTS & PARTNERS

Adast Systems

Moto Knébl

Seznam.cz

M.Y.C. GARAGE

HOTBOOTS

ADC CARBON

5+ yrs

Automotive & industrial design experience

Aufeer

Design background incl. Škoda Auto consultation

NDA

Client confidentiality standard on all projects

CZ + INT

Domestic & international projects welcome

WE ALSO PROVIDE:

CARBON MANUFACTURING, CNC, 3D SCANS & REVERSE ENGINEERING

WHY DNDS

- Automotive exterior + industrial product + robot design in one studio — rare in Europe.
- We deliver from first sketch to production-ready 3D data and marketing visuals.
- Proven with established manufacturers (Adast Systems) and bespoke one-off projects.



ENTALPIA

SHOWCAR CONCEPT — ROAD-LEGAL SMALL SERIES

Client: DN Design Studio (own project)

AUTOMOTIVE

CONCEPT CAR

3D SURFACE

01

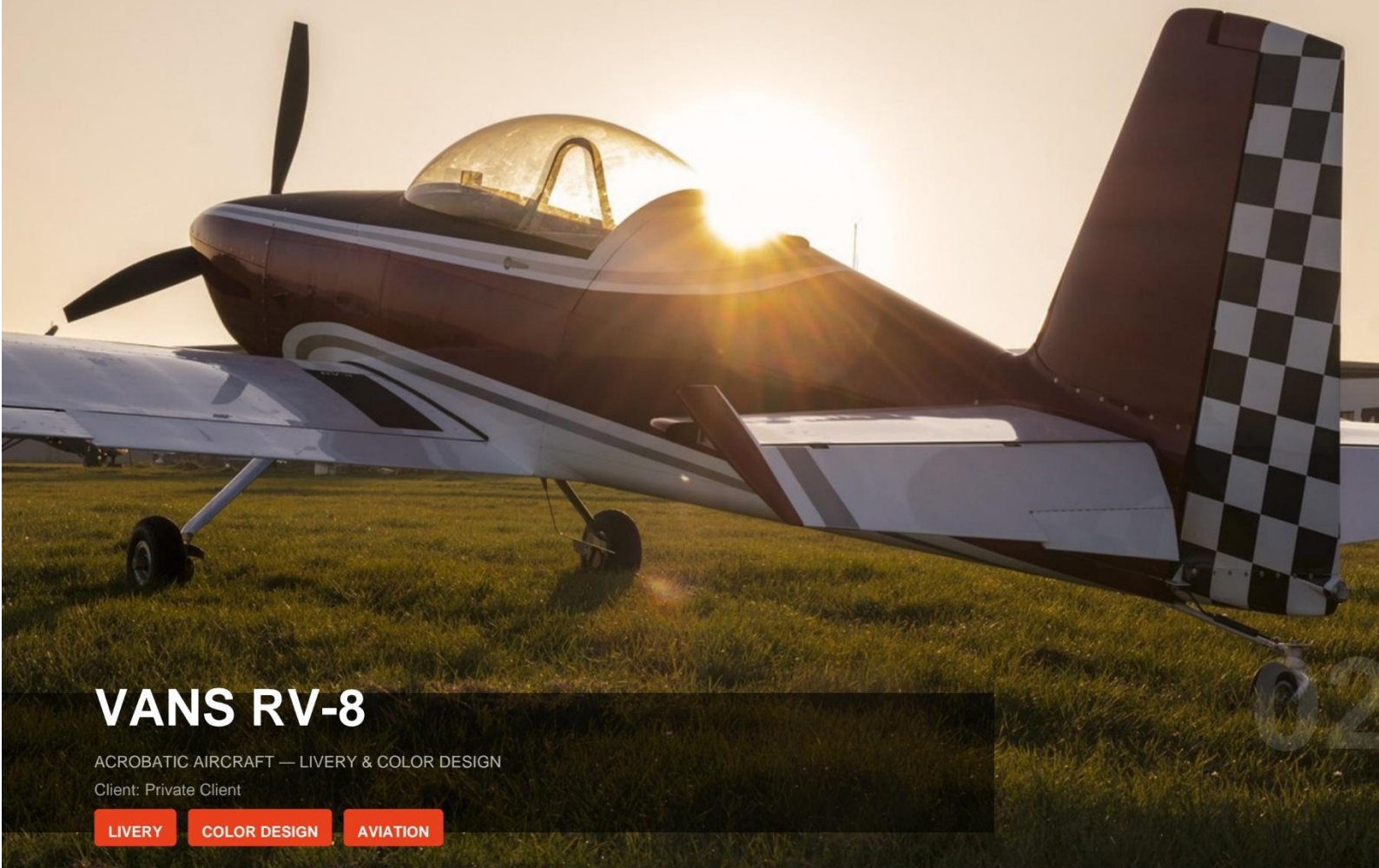
OVERVIEW

Full design pipeline from concept sketch to 3D surface, platform layout and photorealistic render. Road-legal small-series sports car concept

DELIVERABLES

- Concept sketches
- 3D surface model
- Marketing renders
- Platform layout





VANS RV-8

ACROBATIC AIRCRAFT — LIVERY & COLOR DESIGN

Client: Private Client

LIVERY

COLOR DESIGN

AVIATION

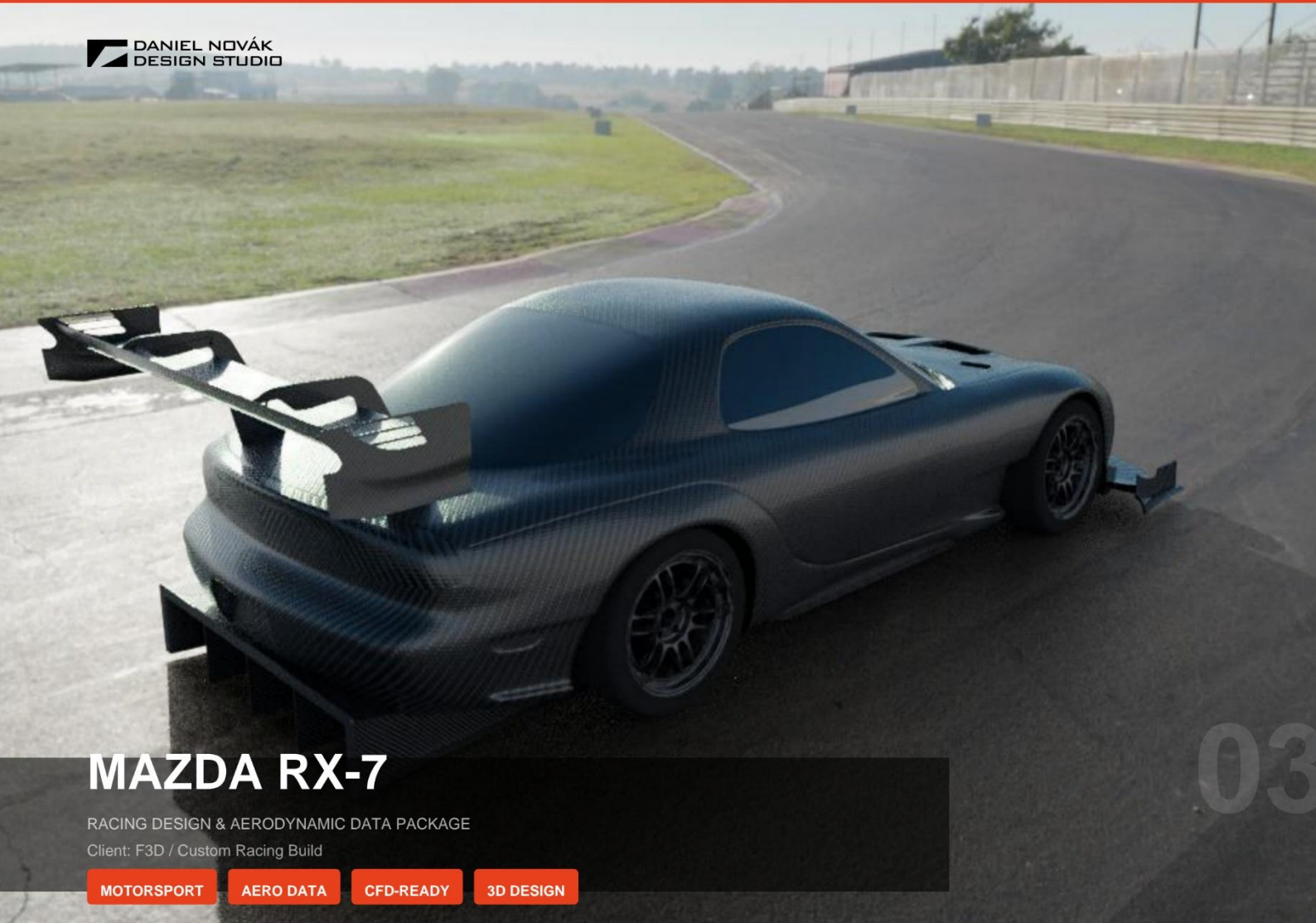
OVERVIEW

Complete livery design for VANS RV-8 acrobatic aircraft. Concept through 3D visualization, pre-paint approval and workshop documentation.

DELIVERABLES

- Color concept
- 3D pre-paint visualization
- Paint documentation





MAZDA RX-7

RACING DESIGN & AERODYNAMIC DATA PACKAGE

Client: F3D / Custom Racing Build

MOTORSPORT

AERO DATA

CFD-READY

3D DESIGN

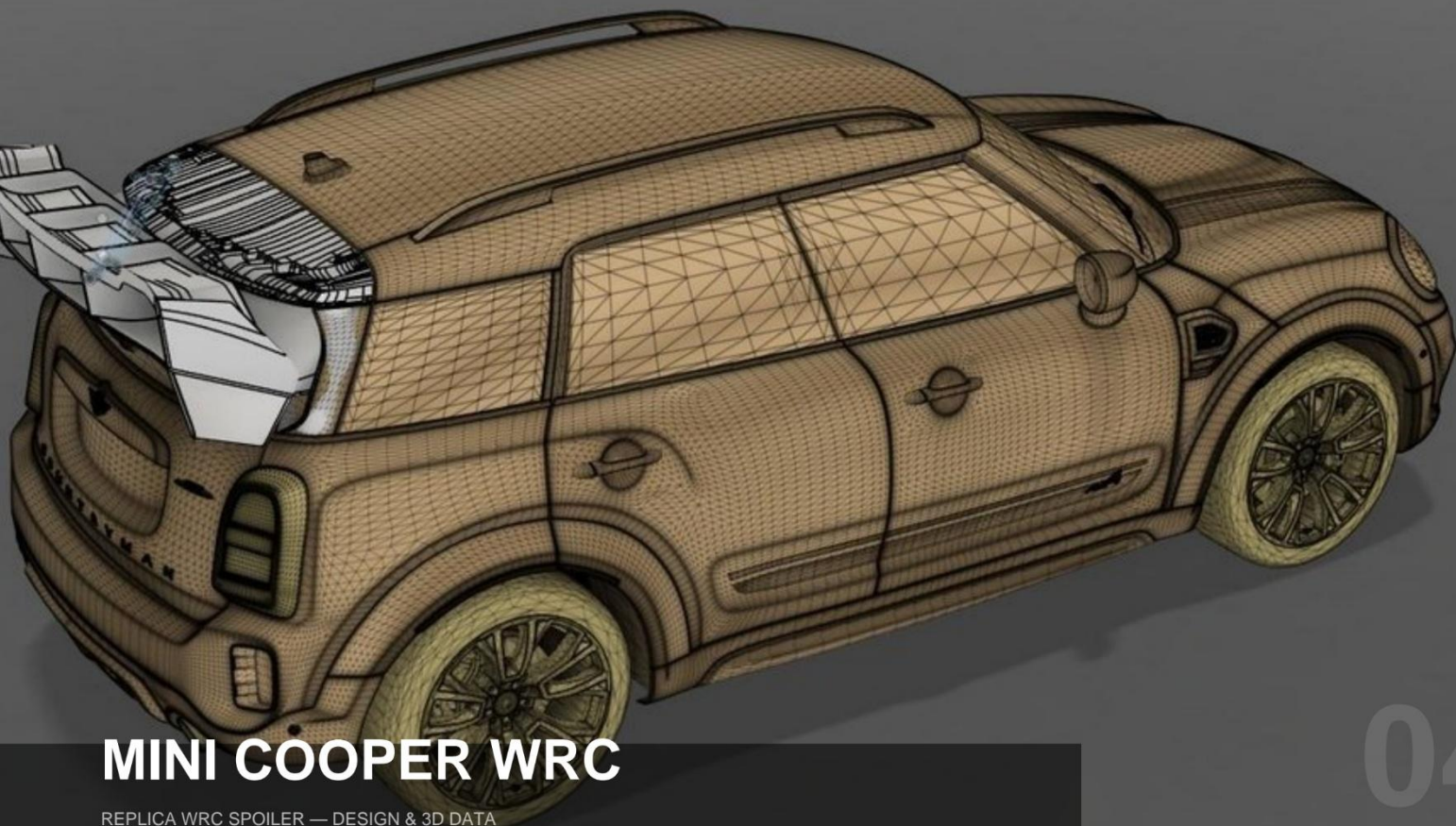
OVERVIEW

Exterior design and full 3D data package built for racing use — developed with aerodynamic simulation (CFD) in mind. Surfaces prepared for wind-tunnel-grade analysis, not just visual styling. Delivered as fabrication-ready dataset.

DELIVERABLES

- Racing-focused exterior design
- CFD/aero-simulation-ready 3D surfaces
- Fabrication-ready data package
- Visualization renders





MINI COOPER WRC

REPLICA WRC SPOILER — DESIGN & 3D DATA

Client: Private / Custom Automotive

AUTOMOTIVE

SPOILER

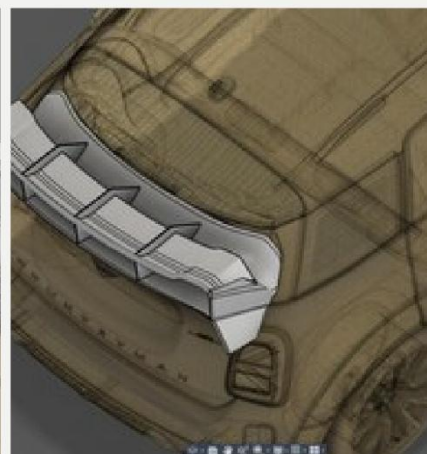
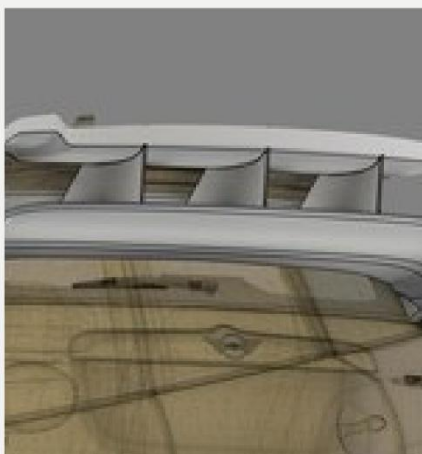
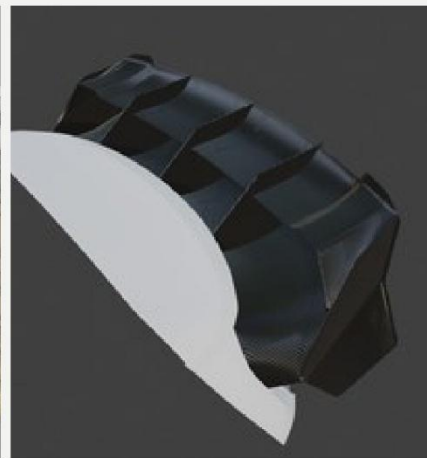
3D DATA

OVERVIEW

WRC-style rear spoiler design for Mini Cooper. Precise OEM mounting geometry combined with aerodynamic form design. 3D data delivered for manufacturing.

DELIVERABLES

- Form concept
- 3D surface model
- Manufacturing data
- Visualization



BMW AIRBOX

CUSTOM CARBON FIBER AIR INTAKE

Client: Private / Performance Automotive

CARBON

AIRBOX DESIGN

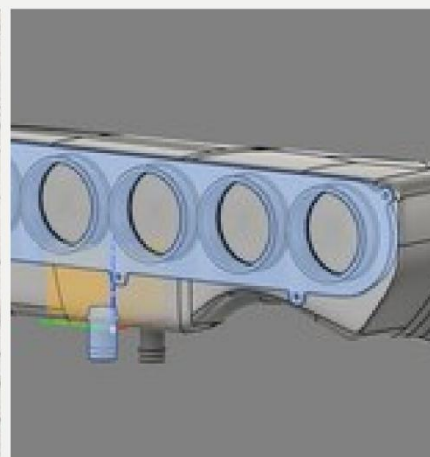
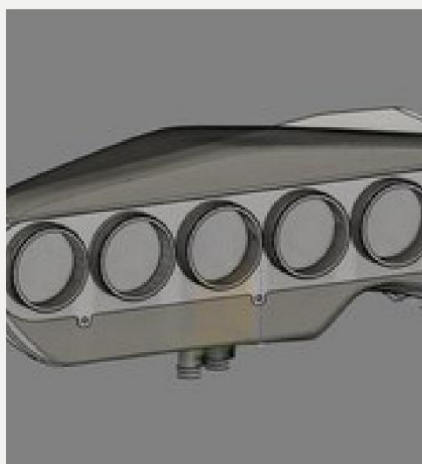
3D DATA

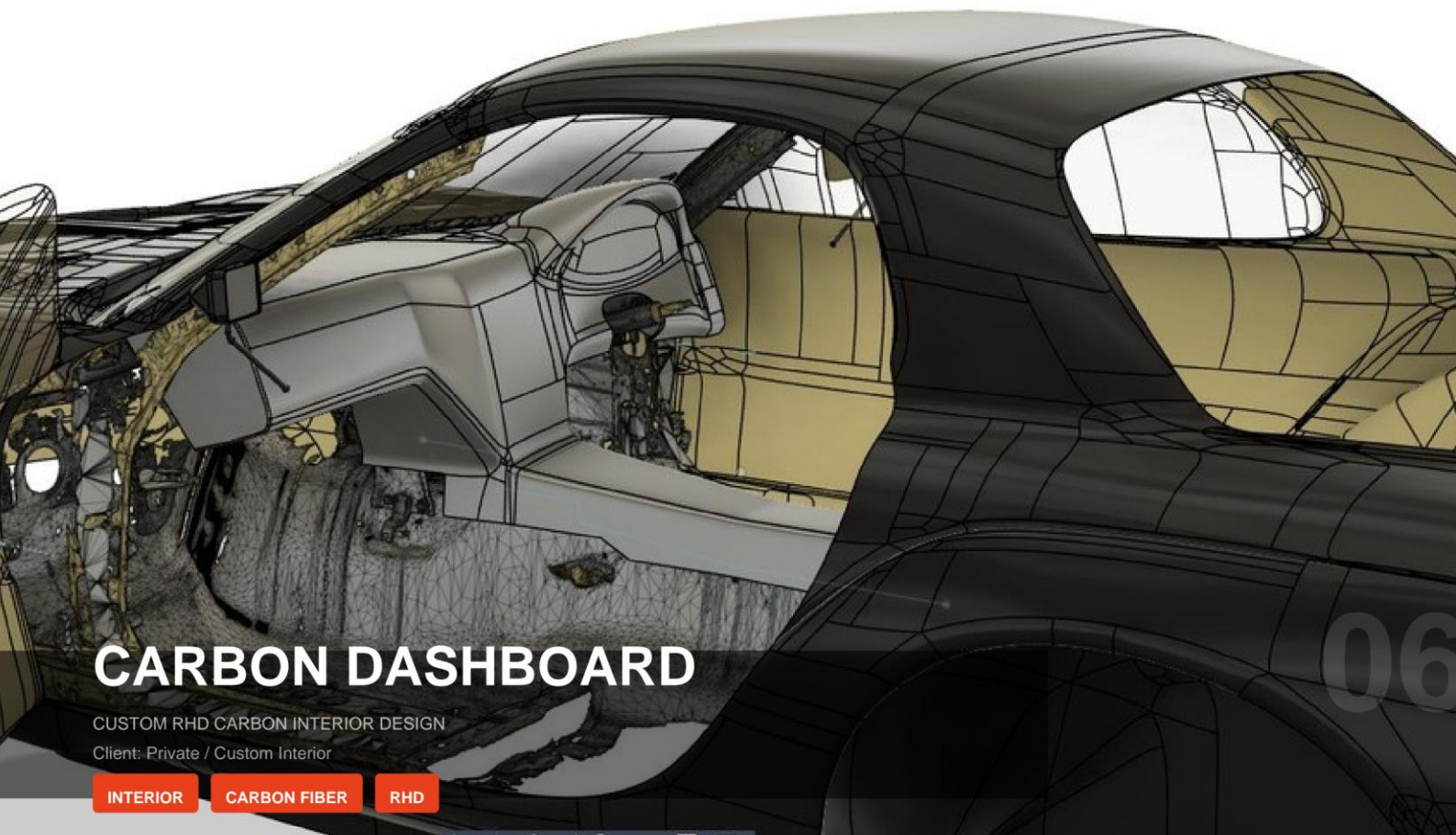
OVERVIEW

Custom carbon airbox optimizing intake geometry while maintaining visual coherence of the engine bay.
Delivered for carbon fiber layup.

DELIVERABLES

- Intake concept
- 3D surface
- Layup-ready data





CARBON DASHBOARD

CUSTOM RHD CARBON INTERIOR DESIGN

Client: Private / Custom Interior

INTERIOR

CARBON FIBER

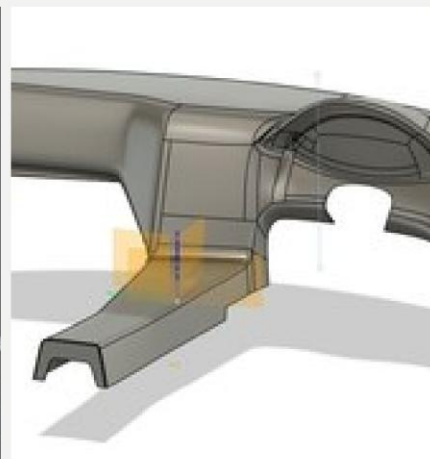
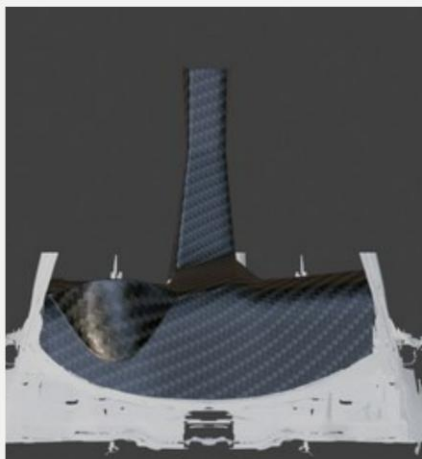
RHD

OVERVIEW

Full carbon dashboard design for a right-hand drive conversion. Panel layout, component geometry and carbon layup 3D data.

DELIVERABLES

- Dashboard surfaces
- Panel geometry
- Layup data
- Renders





CUSTOM MOTORCYCLE COMPONENTS — DESIGN, REVERSE ENGINEERING & MANUFACTURING

Client: Moto Knébl

CUSTOM PARTS

REVERSE ENGINEERING

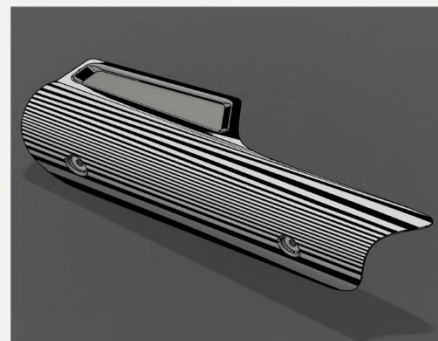
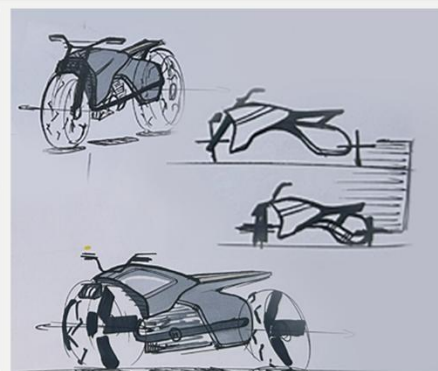
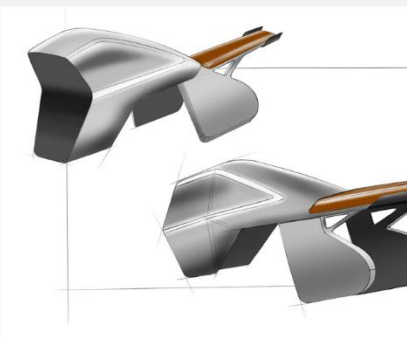
AERODYNAMICS

OVERVIEW

Ongoing collaboration spanning a full 1:1 custom motorcycle build alongside a series of custom upgrade components. Work is focused on improving design, aerodynamics and functionality — from reverse-engineered surfaces to CAD-ready manufacturing data.

DELIVERABLES

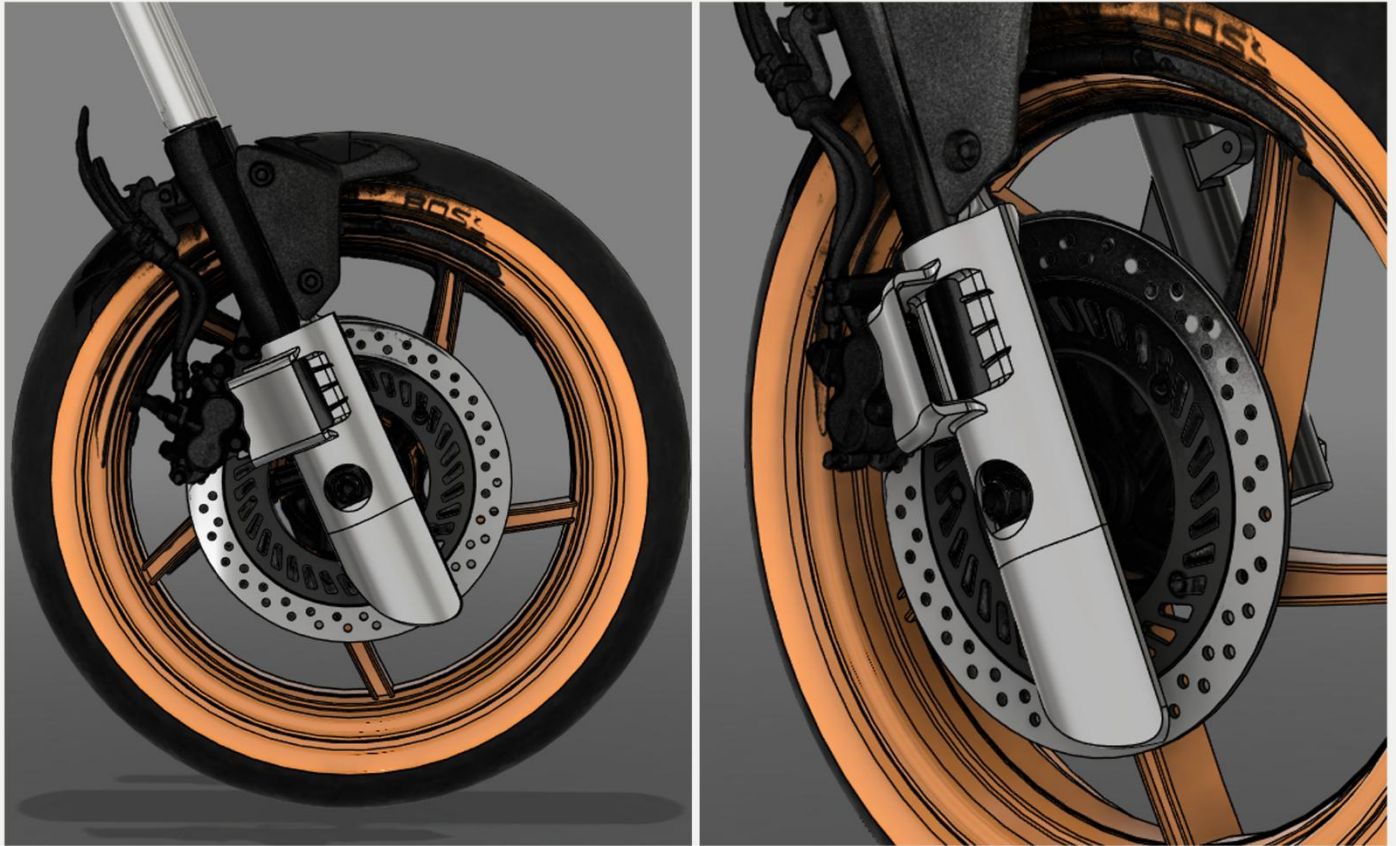
- Custom component design
- Reverse engineering & surface reconstruction
- Surface quality (zebra) analysis
- CAD data for manufacturing



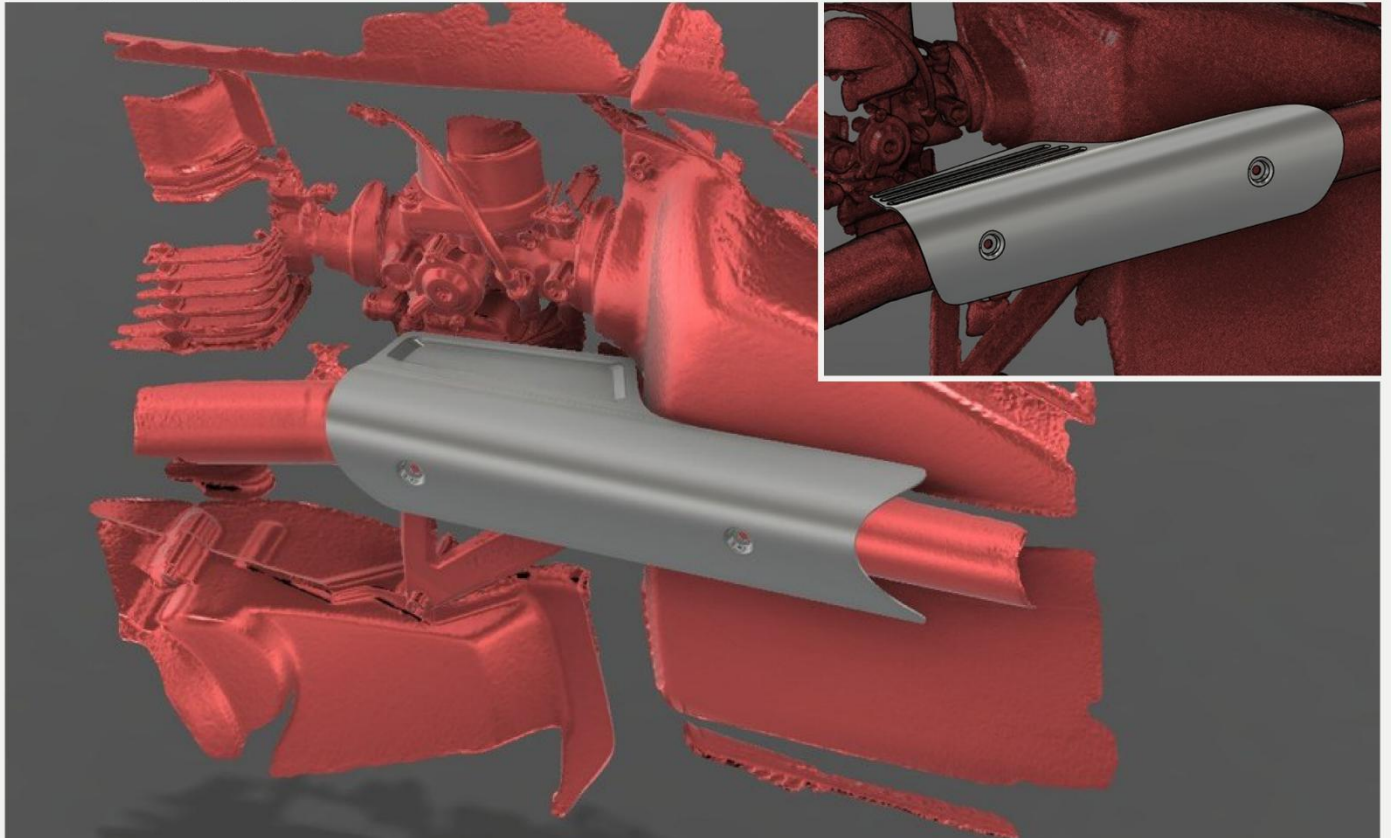
MOTO KNÉBL — MORE FROM THIS PROJECT

Brake Cooling & Exhaust Component Development

Topology studies and 3D scan data for custom cooling and exhaust components



Brake cooling duct — topology study

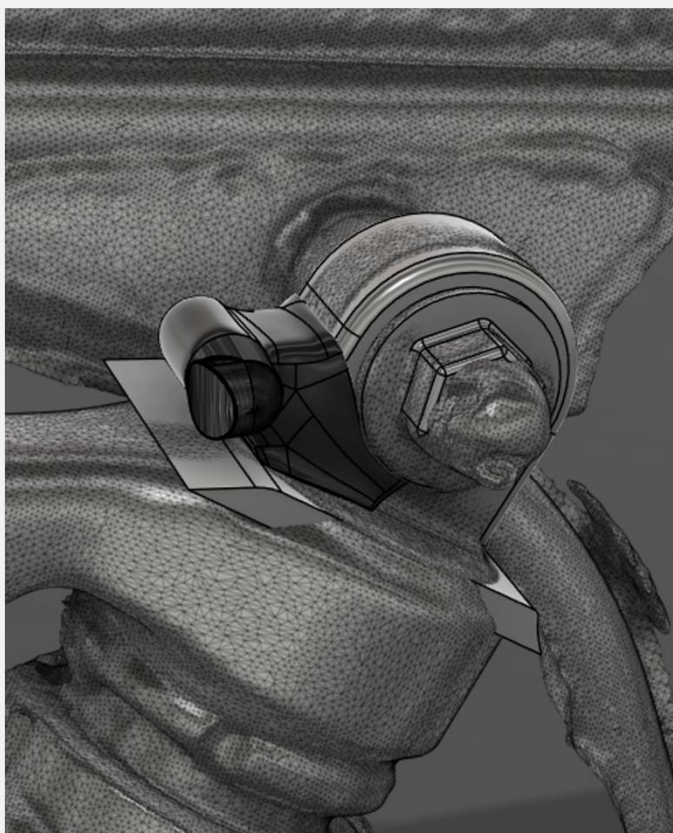


Exhaust cover — 3D scan data

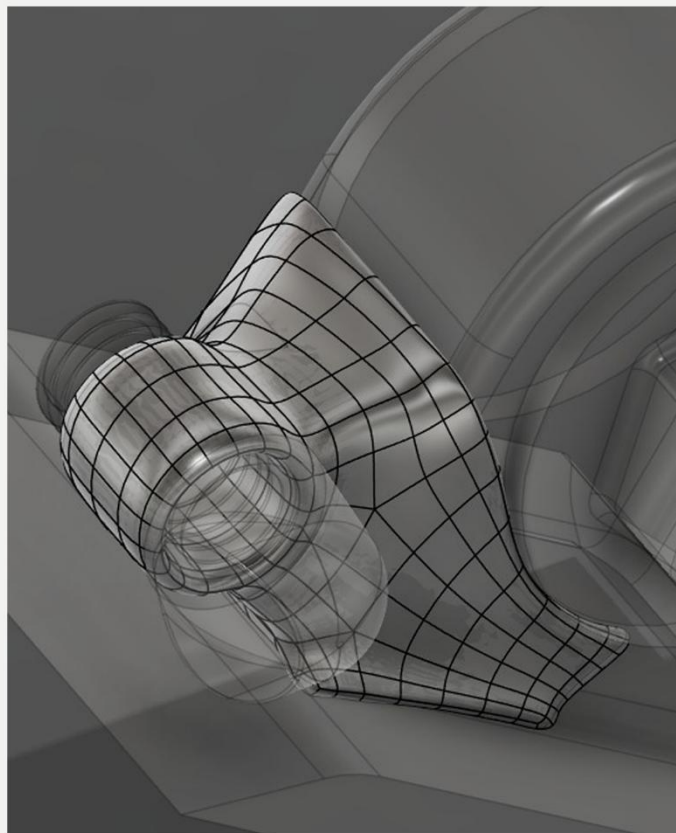
MOTO KNÉBL — MORE FROM THIS PROJECT

Reverse-Engineered Surface & concepts

Design development, CAD wireframe and reverse-engineered surface data



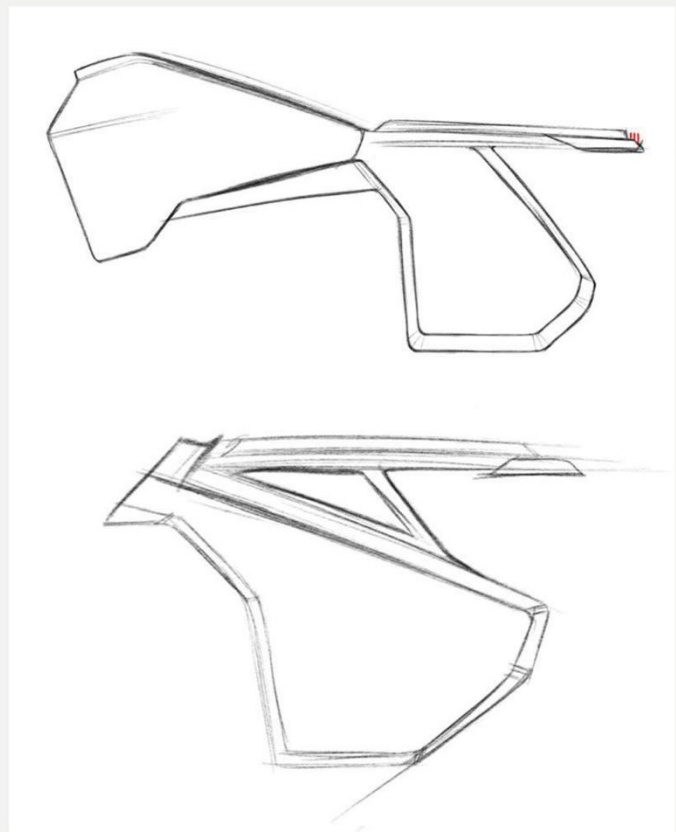
Maserati reverse-engineered part



CAD detail — **TOPOLOGY**



Reverse-engineered surface



Design sketches



HOTBOOTS

PATENT DOCUMENTATION — SPORTS PRODUCT

Client: Hotboots

PRODUCT DESIGN

PATENT DOCS

SPORTS

OVERVIEW

Industrial design and patent docs for a sports leg sleeve for athletes. Technical drawings, 3D model and full patent documentation package.

DELIVERABLES

- 3D product model
- Technical drawings
- Patent documentation



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Thank you for considering Daniel Novák Design Studio.
We look forward to working with you.

