

Carbon[®] X Riddell[®]

**Bringing Innovation
to Head Protection**



Carbon is a global leader in digital manufacturing

ABOUT

Founded 2013

HQ in Silicon Valley

Global install base (North America, EU, Asia)

Over 400 employees

\$420M+ investment

300+ Patents & Patent Applications

KEY INVESTORS



SILVERLAKE



Johnson & Johnson



BOARD MEMBERS



Joseph DeSimone
Co-Founder & CEO
Carbon

Carbon



Bobby Long
Managing Partner
Piedmont Capital
Partners



Jim Goetz
General Partner
Sequoia

SEQUOIA



Adam Grosser
Managing Director
Silverlake KraftWerk

SILVERLAKE



Ellen Kullman
Past Chair,
CEO DuPont



Alan Mulally
Past CEO &
President, Ford



Past CEO,
Boeing
Commercial
Airplanes



Eric Liedtke
Head of Global
Brands and
Group Executive
Board Member
adidas



Fang Zhang
Founding
Partner
ARCHINA



Debbie Messemer
Past Managing Partner
KPMG



Products designed to grow

M2



M2d



SMART PART WASHER



L1



**DATA
CENTRIC**

**DIGITAL THREAD
MAINTAINED
THROUGH EACH
UNIT**

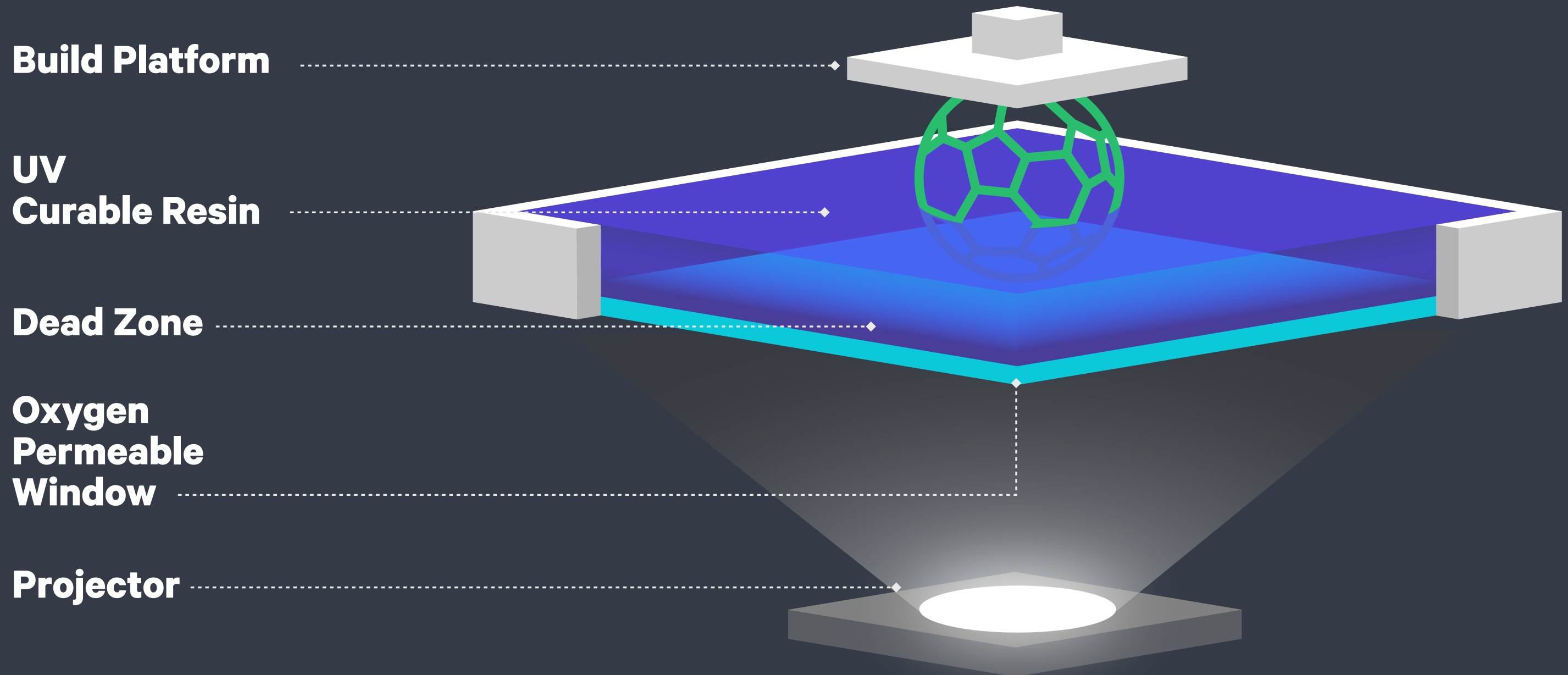
**DESIGN FILES ARE
LOCAL AND CAN
BE ENCRYPTED**

**ANALYTICS &
BUSINESS
INTELLIGENCE**

**OTA
SOFTWARE
UPGRADES**

How Carbon DLS Works

“GROWING” HIGH QUALITY, PRODUCTION-READY PARTS





The Carbon Platform

A CONCIERGE APPROACH TO HELPING YOU MAKE THE BEST PRODUCTS IN THE WORLD AND BRING THEM TO MARKET TODAY



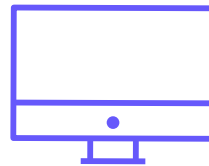
Digital Light Synthesis

New, state of the art 3D printing process



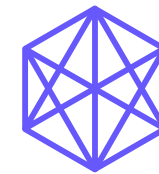
Dual-Cure Materials

New 3D materials that were once un-imaginable



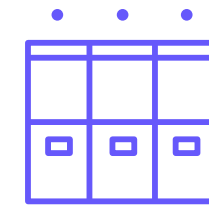
Modern Software

Securely connected, infinitely upgradeable architecture



Products of the Future

State of the art design tools that meet product requirements



Full Factory Solutions

Optimized for vertical integration or partners



*We help companies like **Riddell** take decades of data of what a product should be and **bring them to launch in 6 months.***

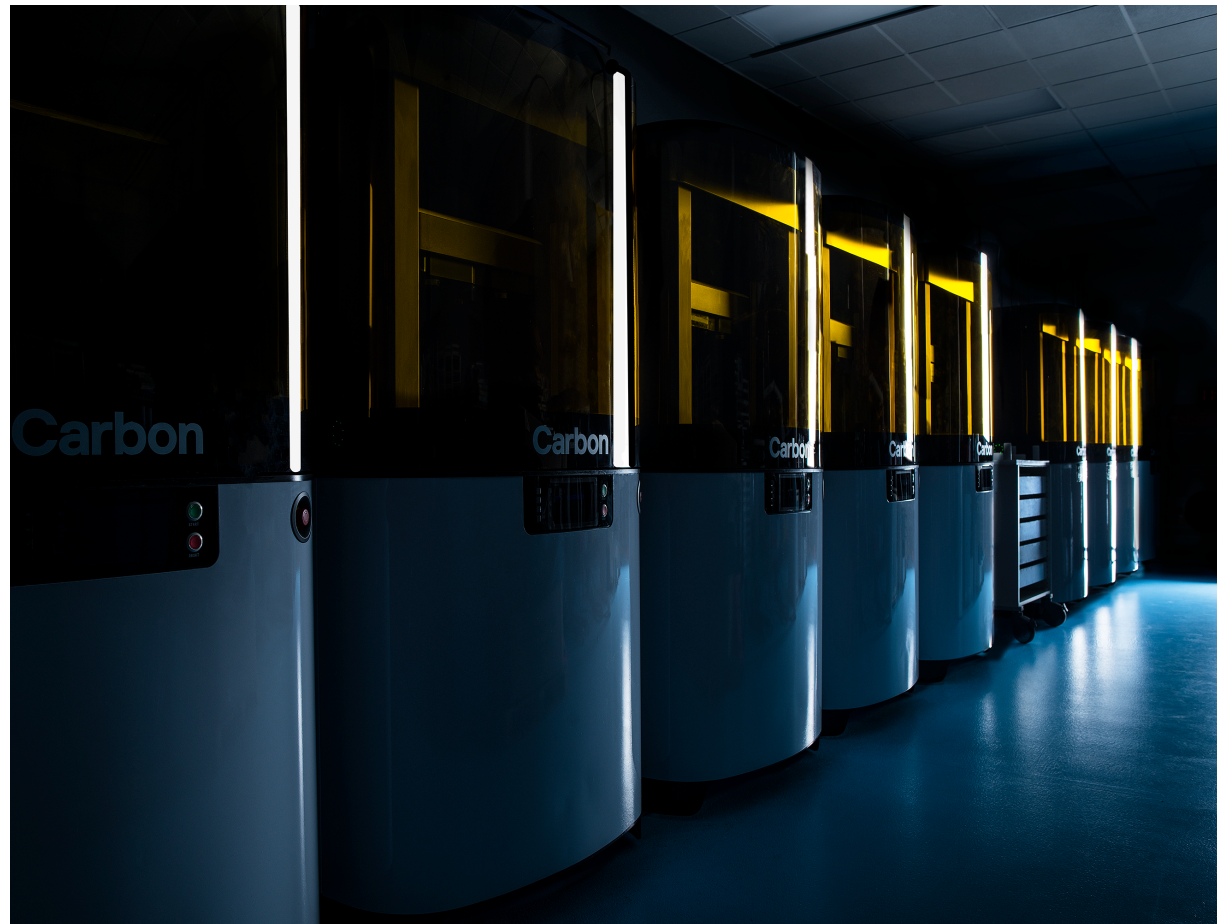
An Ideal Partnership

VISION FOR
INNOVATION

ENGAGED AND
TRANSPARENT TEAMS

DATA DRIVEN
DESIGNS

DIGITAL
WORKFLOWS



Carbon[®]



Riddell[®]

Next-gen Helmet Protection

Custom Fit

True fit to 3D scan
Showcase features: player ID,
team, signature



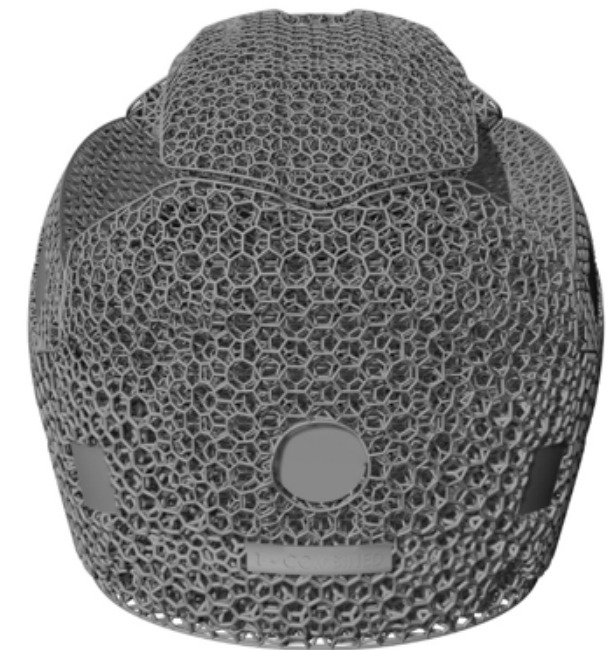
Superior Performance

Digitally tuned to dissipate
impacts and rotational forces



Improved Comfort

Same favorite shell and size
Lighter weight



Unprecedented Speed to Market

Files to field in 6 months
Thousands of cloud-based iterations
Resin tuned for energy damping

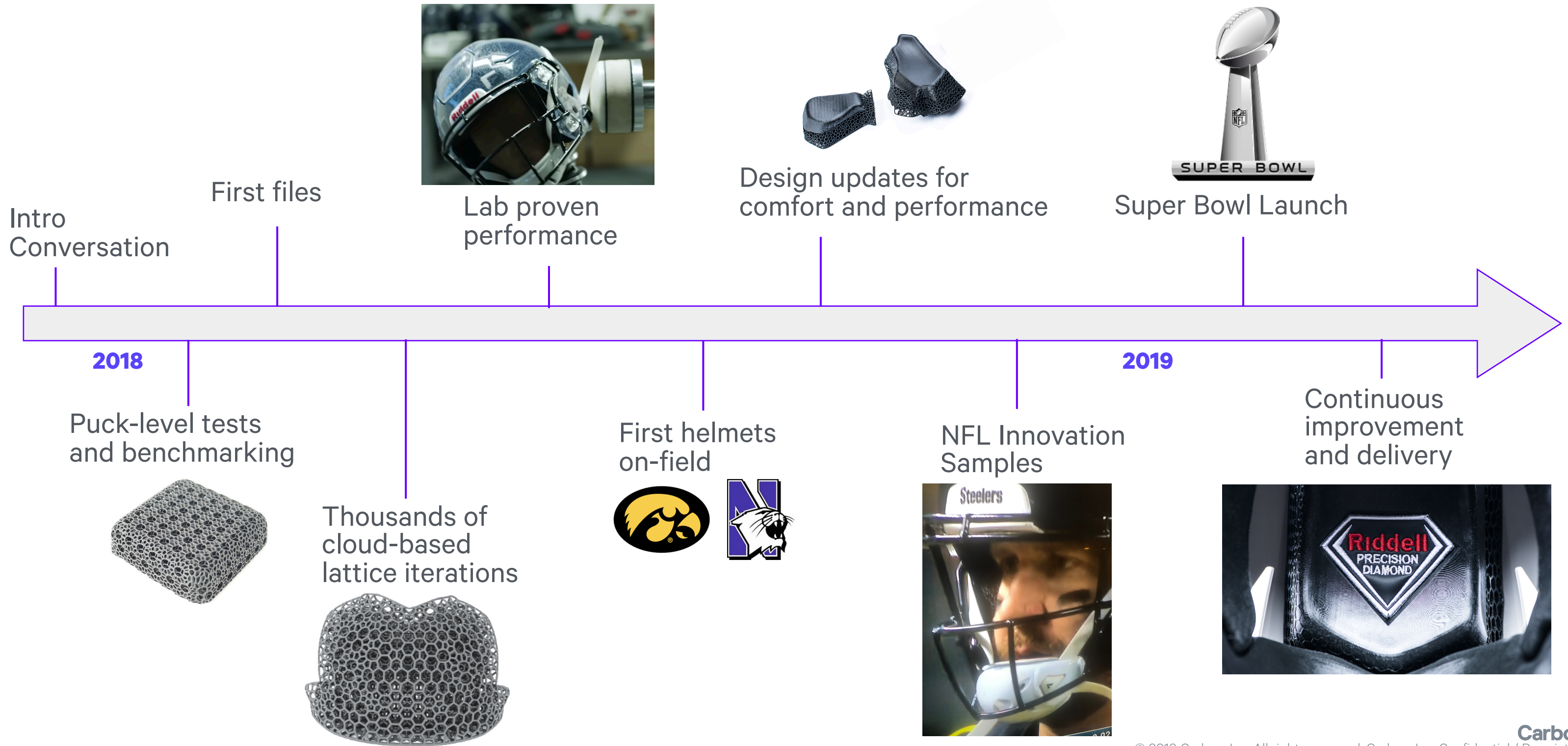
Reduced Maintenance

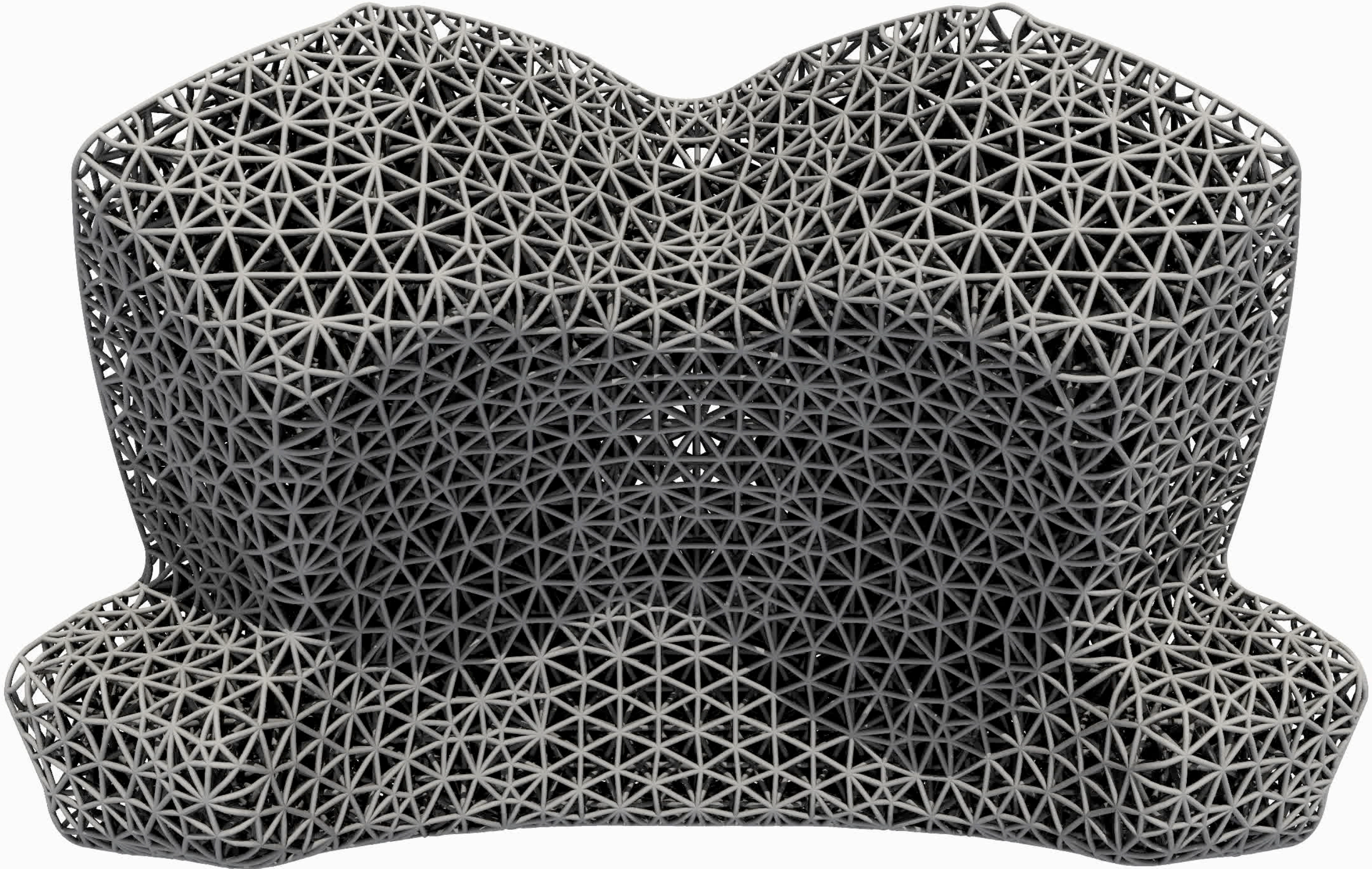
Fewer parts
Easier to clean and recondition

Continuous Innovation

Fast, high-quality iterations
Data-driven simulation and digital
thread

Rapid Helmet Development





PRODUCTION WORKFLOW

3D SCAN

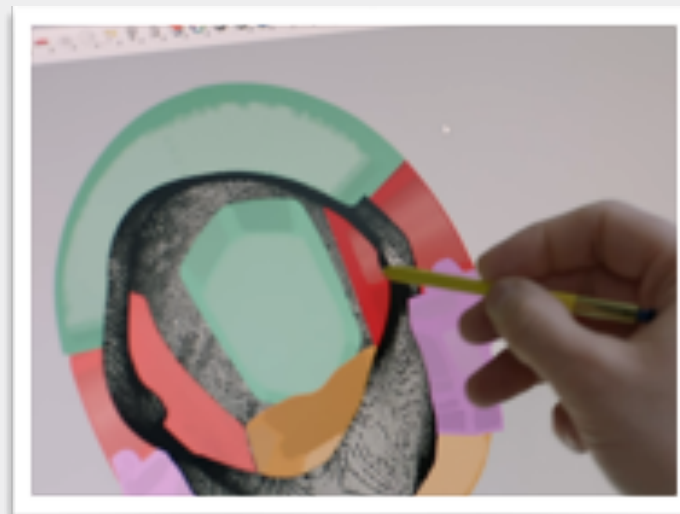


Riddell.

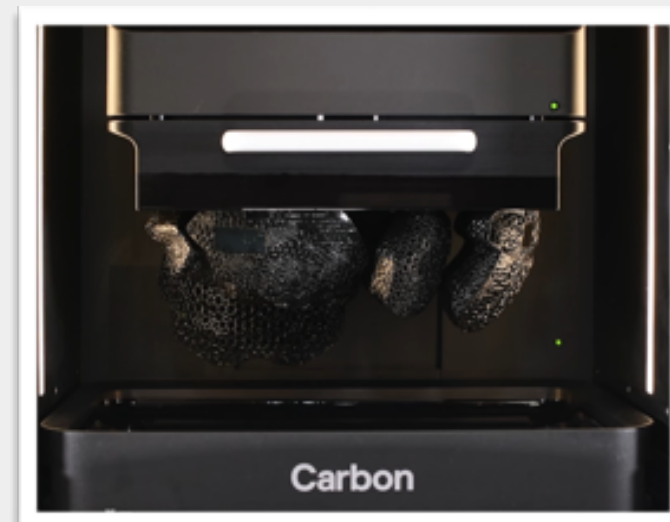
ASSEMBLE



Carbon[®]



CUSTOM DESIGN



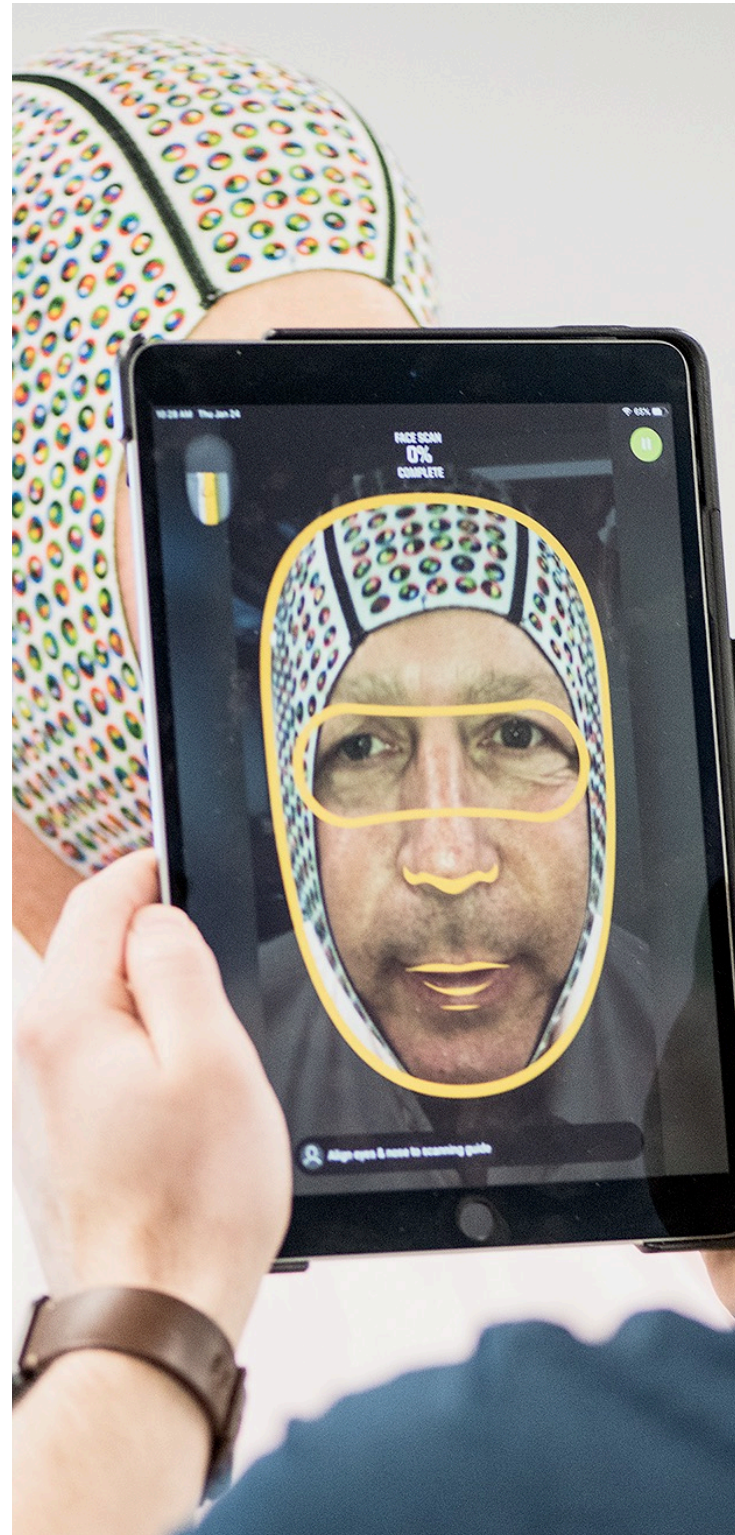
PRINT



QC

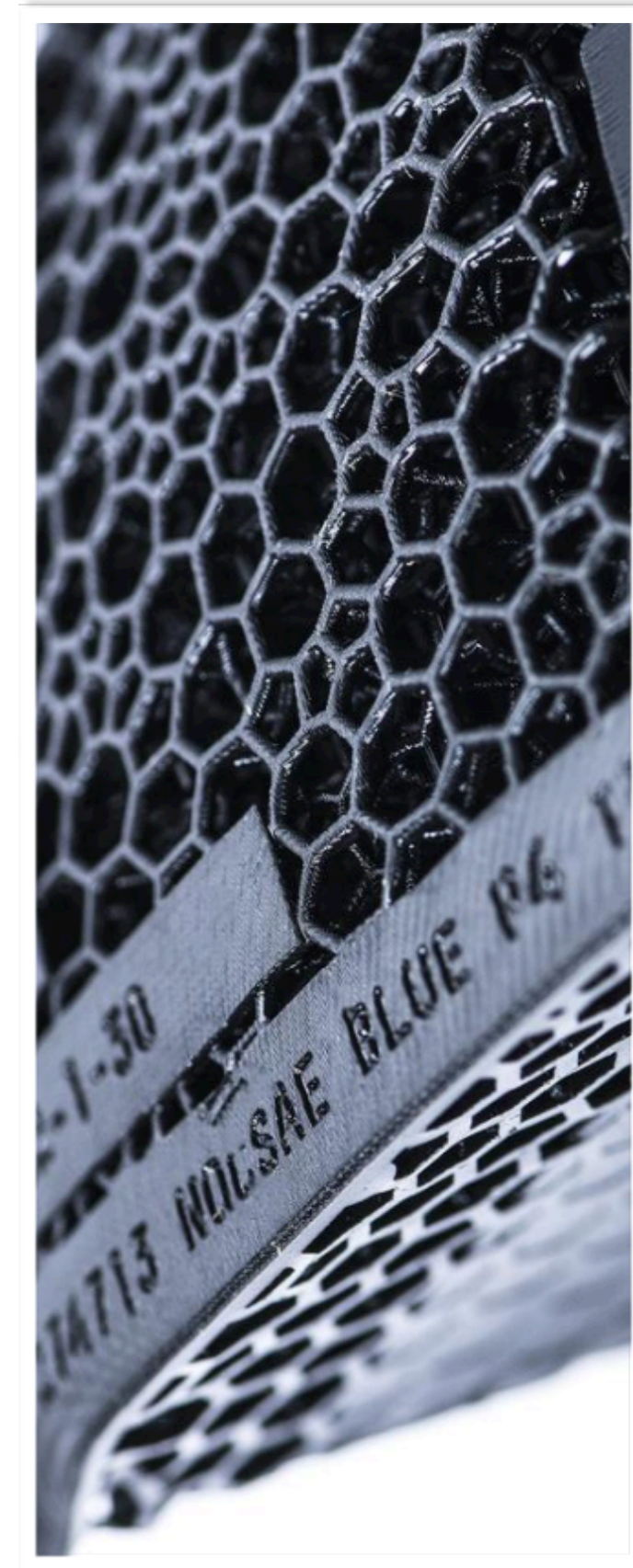
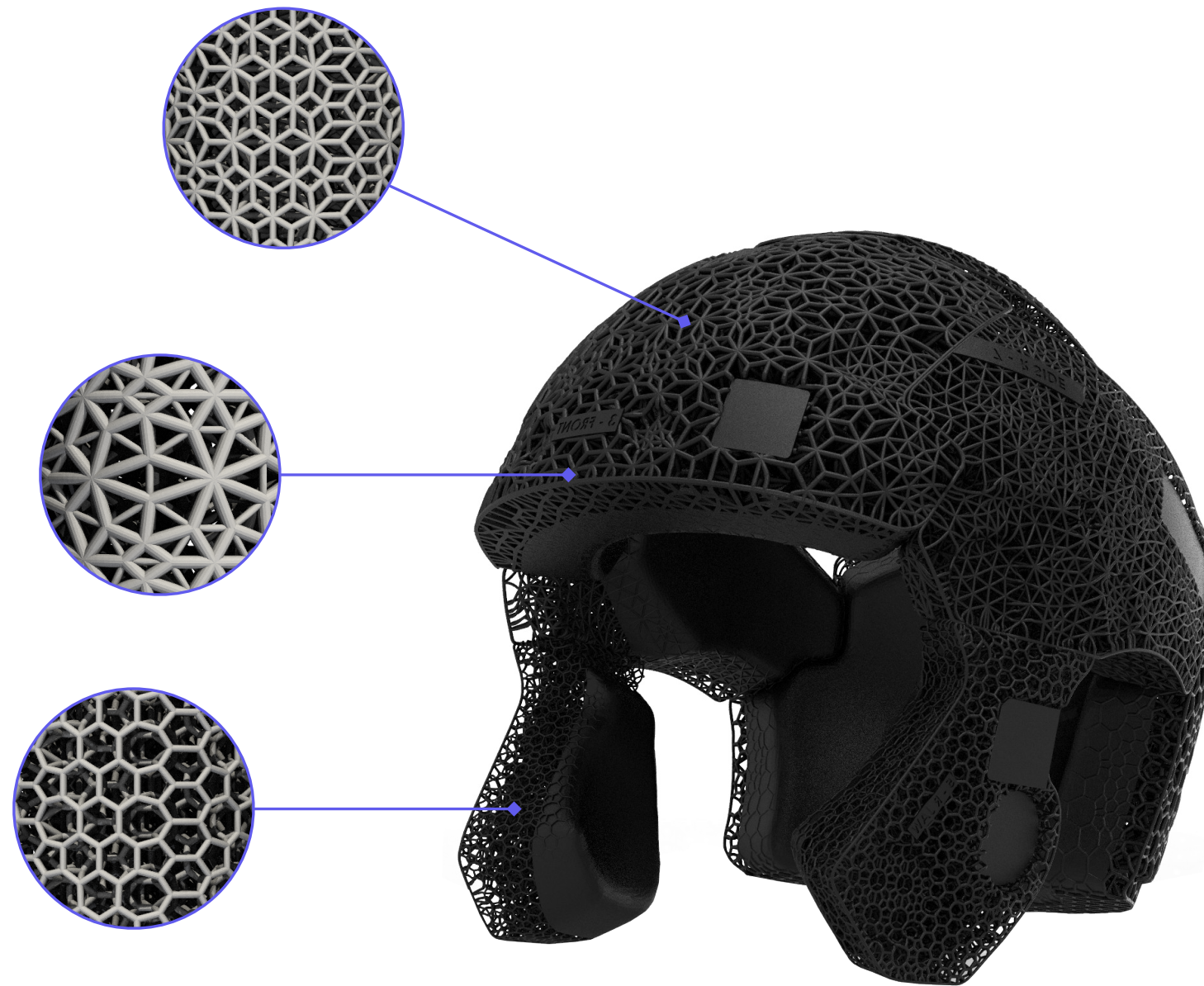
3D SCAN

Software Driven



CUSTOM DESIGN

Digitally Tuned



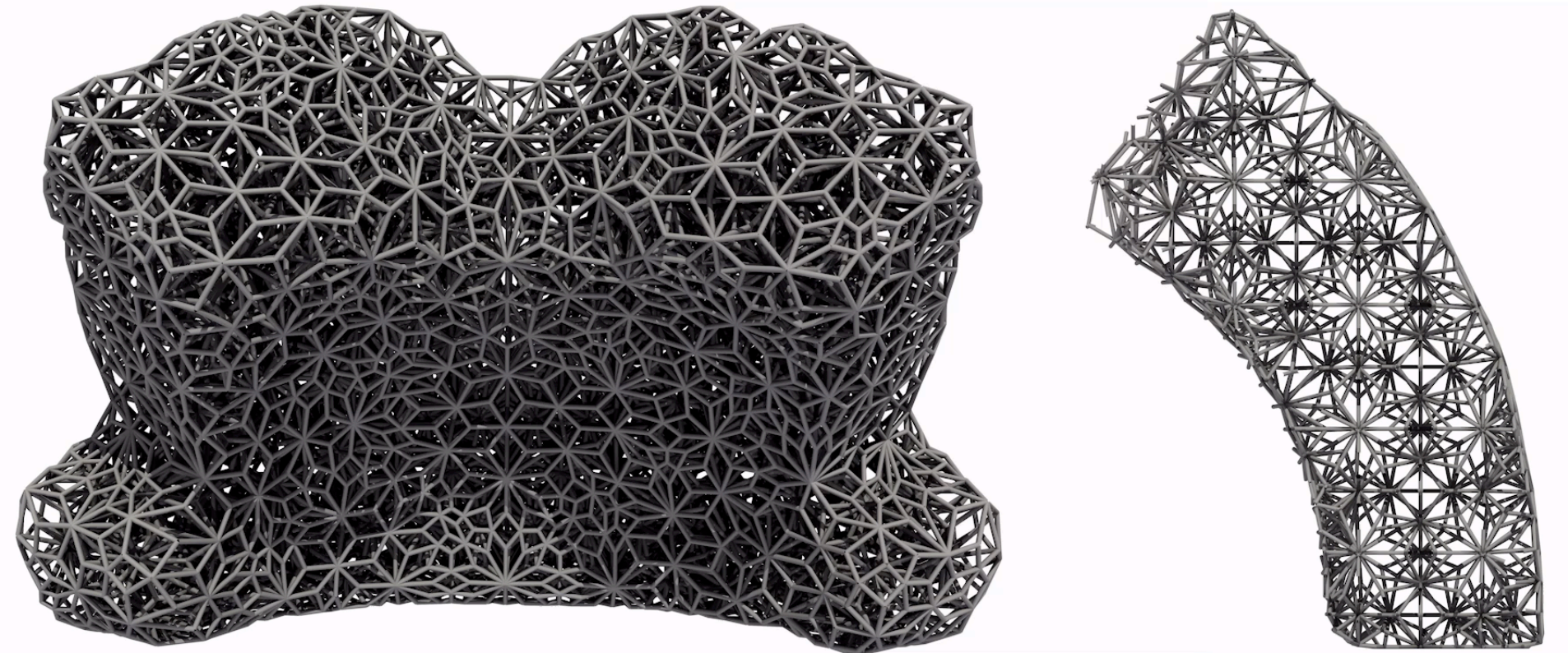
PRINT ON L1

HIGH VOLUME PRODUCTION



QUALITY CONTROL

Certified Performance



POSITIVE FEEDBACK

We're just getting started!



"The fit is great, I feel more locked in than my normal PrecisionFit helmet, and my vision is the same" -Iowa Player



"The precise fillets allow the pads to lock-in and conform better to the head, creating a more true fit for players"
-Riddell Engineer



Carbon Production Solution

Scalable

Cost effective

End-to-end solution

All equipment

Game-changing software

World-class support and training

PLEASE STOP BY - SALON A, LOWER LEVEL, BOOTH #D2



Carbon AMUG Sessions

MONDAY

Room: Williford C, Third Floor

Time: 4:30 p.m.

**CARBON AND RIDDELL:
BRINGING INNOVATION TO
HEAD PROTECTION**

SPEAKER:

Erika Berg

Head of Application Development, Carbon

TUESDAY

Room: Salon C

Time: 1:30 p.m.

**DESIGN FOR DIGITAL LIGHT
SYNTHESIS™ WORKSHOP**

SPEAKERS:

Dee Kerr

Head of Education, Carbon

Beth Bernhardt

Manager of Curriculum Development,
Carbon

WEDNESDAY

Room: Waldorf, Third Floor

Time: 3:00 p.m.

**MOVING BEYOND
PROTOTYPING: CARBON
DIGITAL LIGHT SYNTHESIS™
AS A TOOL FOR
MEDICAL DEVICES**

SPEAKERS:

Steve Pollack

Staff Scientist and Life Sciences
Technical Lead, Carbon

Larry Monahan

Associate Director of Corporate
Computer-Aided Engineering, BD

Blane Larson

VP of Development, Resolution Medical

THURSDAY

Room: Salon C

Times: 10:30 and 11:00 a.m.

**CARBON PRINTING AND
PROCESS OVERVIEW**

SPEAKER:

Dee Kerr

Head of Education, Carbon

Carbon[®]

SYNTHESIS

THE DIGITAL MANUFACTURING CONFERENCE

SEPTEMBER 29 - OCTOBER 1, 2020

SAN FRANCISCO BAY AREA

WWW.CARBON-SYNTHESIS.COM

Carbon solves your
toughest product
challenges