

portfolio

Juan Pablo de la Garza Evia



content



Stingr pfx

Upper, tooling, and CMF design for performance control cleat.
SP25 / SU25
#FootballFootwear #CharlyPFX

Futurf

3D modeling and printing the future of football.
Oct 2024
#FootballFootwear #Grasshopper3D #3Dprinting

Nike flex guard

Concept football shin pads inspired by Nike.
Nov 2020
#FootballEquipment #3Ddesign #NikeConcept

Zinetik pfx

Creating a new boot ahead of the 2026 FIFA World Cup.
SP25 / SU25 / SP26 / SU26
#FootballFootwear #CharlyPFX #FIFAWorldCup2026

PFX
PERFORMANCE



stingr pfx

For the spring 25 season I was tasked with designing Charly's next generation of performance football cleats. Stingr PFX is a boot designed with the essence of control, its internal and lateral 'extended grip' elements provide optimal ball control for precise passing and shooting. Its 'Monarc' outsole with a mix of chevron and rotational studs allow for aggressive traction and quick directional changes. The project included different tier product ranging from performance to amateur and kids as well as an off-pitch proposal.

/Upper Design: Juan Pablo de la Garza E.

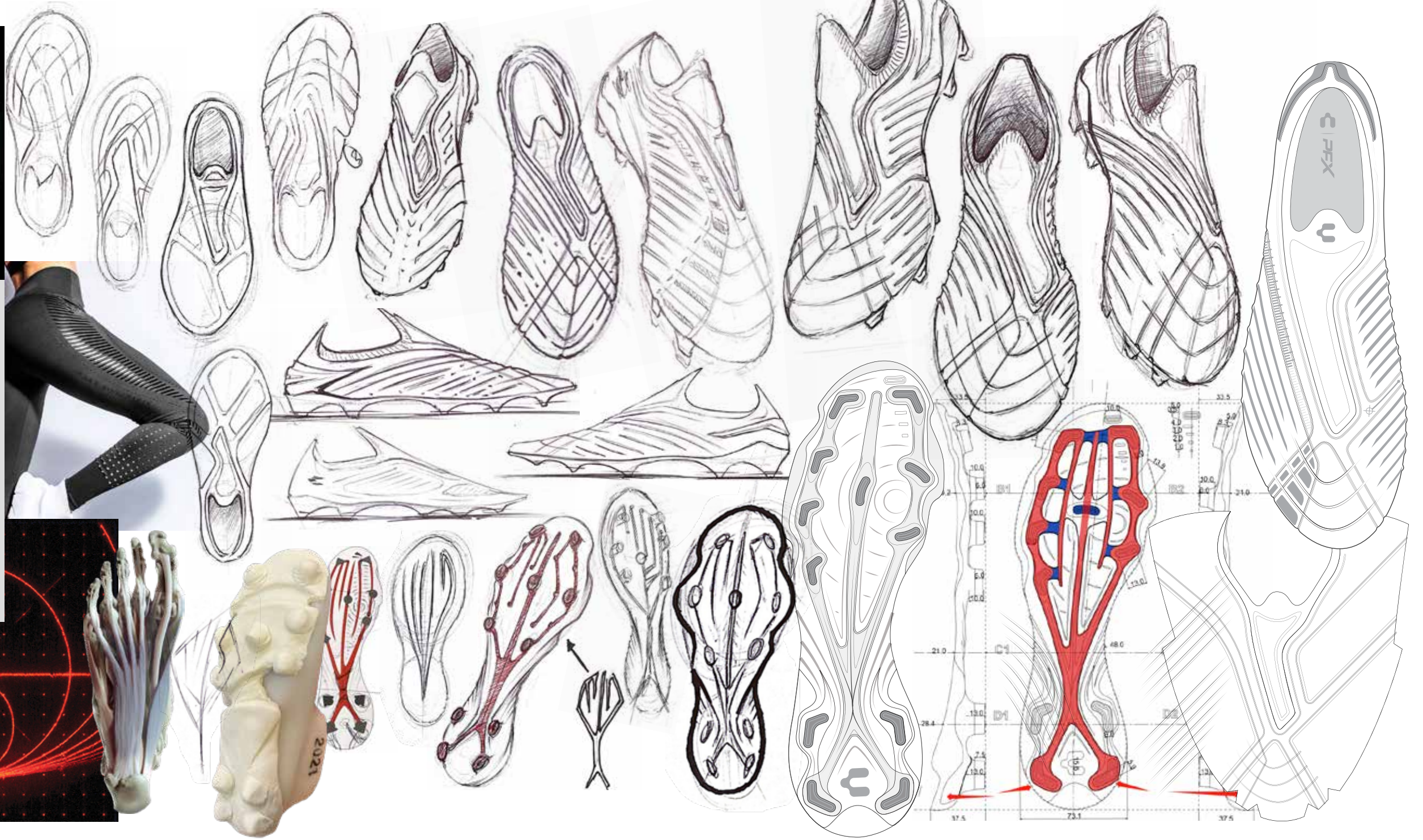
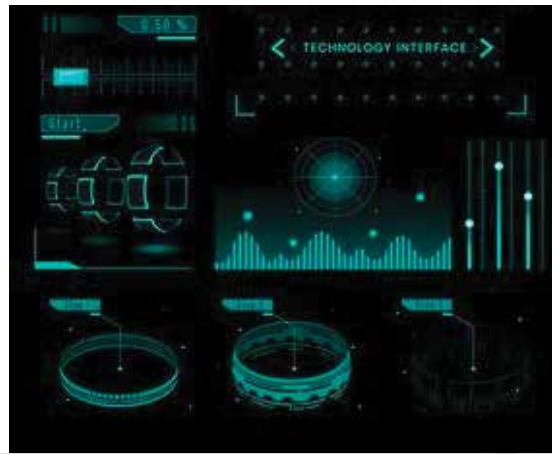
/Tooling Design: Juan Pablo de la Garza E.

/Color Material Finishing: Juan Pablo de la Garza E.

SP25 / SU25

#FootballFootwear #CharlyPFX

> *Materials: 3D knit . TPU . KPU rubber . microfiber
(270.0 MM)*



control
interface
tech

prototyping and testing

By product testing with our sponsored athletes we were able to get initial reactions and receive valuable feedback which allowed us to improve and update our design. Having players compare against existing products in the market helped us identify our strengths and weakness.



Dynamic Heel

Internal heel reinforcement that helps liberate pressure from your achilles tendon.

STINGER

Tactic Lace

High grip silicone treated laces for enhanced grip.

SweetSpot

The sweet spot indicator marks where to strike the ball when striking a powerful knuckle ball.

Extended Grip

Rubberized texture in contact zones provides extra power and grip when striking the ball.

Monarc Outsole

Following the anatomical structure of your foot, the outsole is designed to give you stability and control over every stride. Our rotational studs allow you to change directions quickly while providing optimal traction.





JURGEN DAMM
MEXICAN PROFESSIONAL PLAYER 
OAKLAND ROOTS 

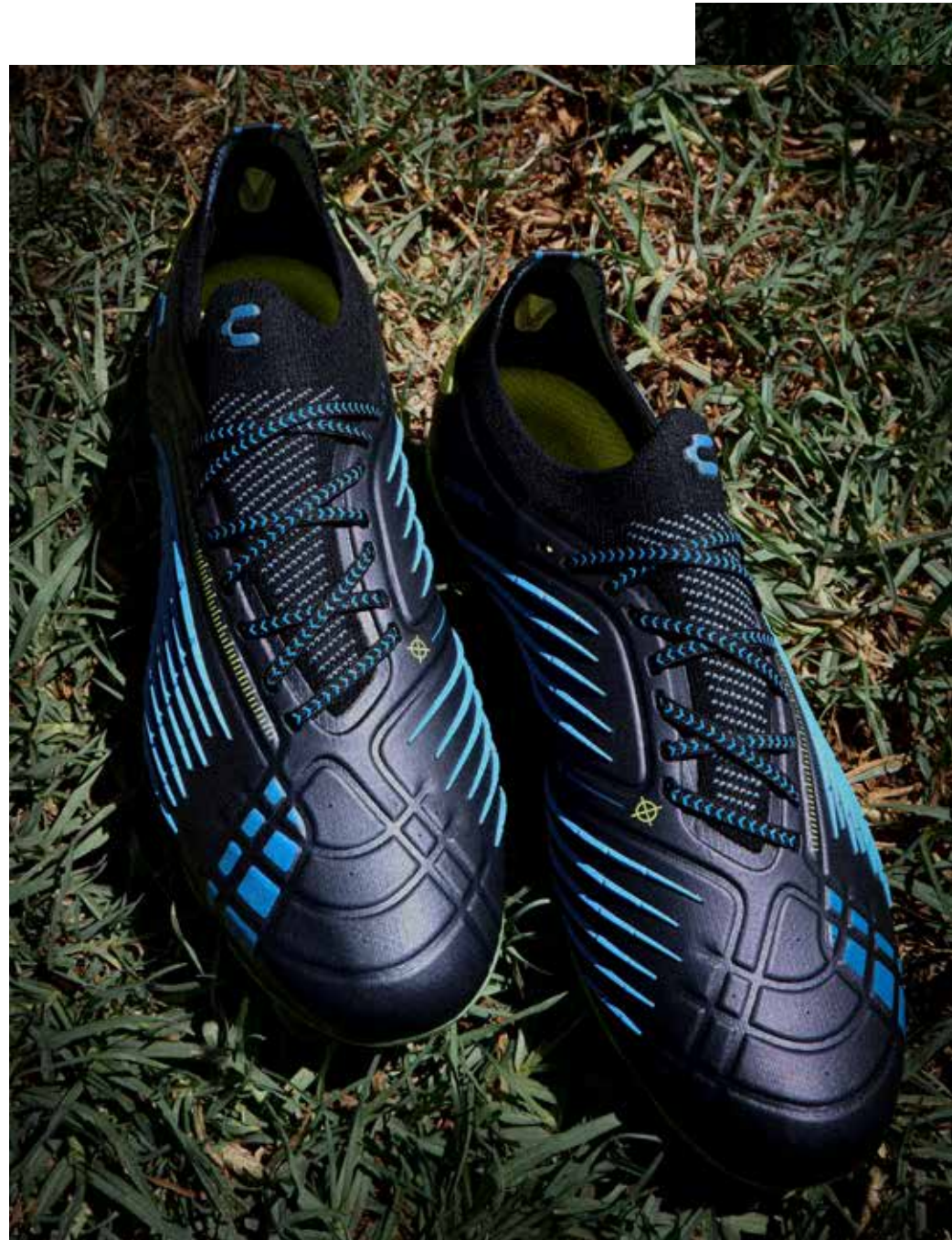


STINGER



stingr pfx SP25





stingr pfx SU25
Summer 2025 colorways



FUTRF 3D

3D printing technology is revolutionizing the way we make and consume footwear. By leveraging the capabilities of 3D printing technologies, Futurf reimagines what the future of street and turf football could look like. Through the use of parametric technology the concept uses biometric data to inform the shape of the footwear outsole. Csv data was obtained from foot pressure scans which were then plugged in to grasshopper 3D to guide the height of the outsole lugs, allowing for unique customization based on individual pressure data.

3D Design: Juan Pablo de la Garza E.

Match 2025

#FootballFootwear #Grasshopper3D

#3D Printing

*> Materials: TPU . Balena BioCirc Flex 3D
(290.0 MM)*

Footwear today:

Today we see a huge disbalance in footwear manufacturing with Asia holding 88% of the worlds footwear production (WorldFootwear, 2025). Around the world we have lost footwear making agency and the know how behind how to make shoes.

Traditional shoes can consist of 40+ different materials and can contain a range of 33-4,200 'forever chemicals'(Oxman, 2025). This amounts to large lists of materials and processes along with energy and water intensive processes.

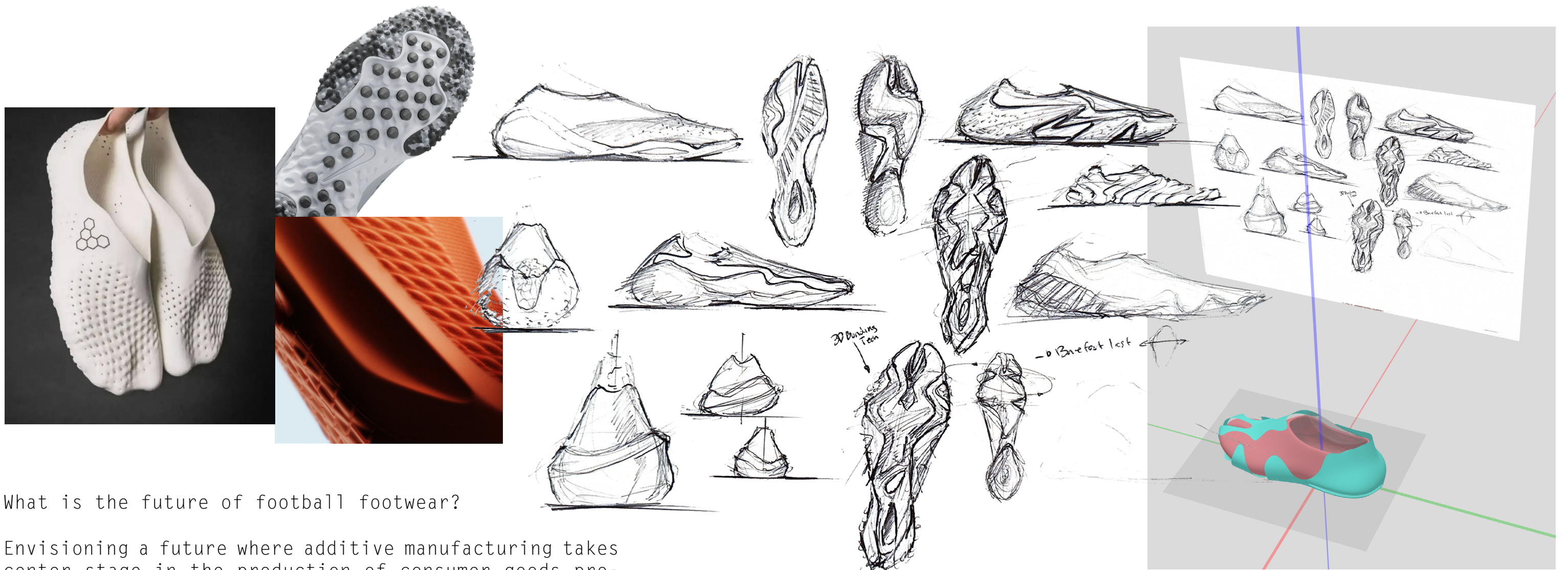


Footwear tomorrow:

3D Printing offers a new approach to the footwear creation process by removing the complexity of large bill of materials and processes.

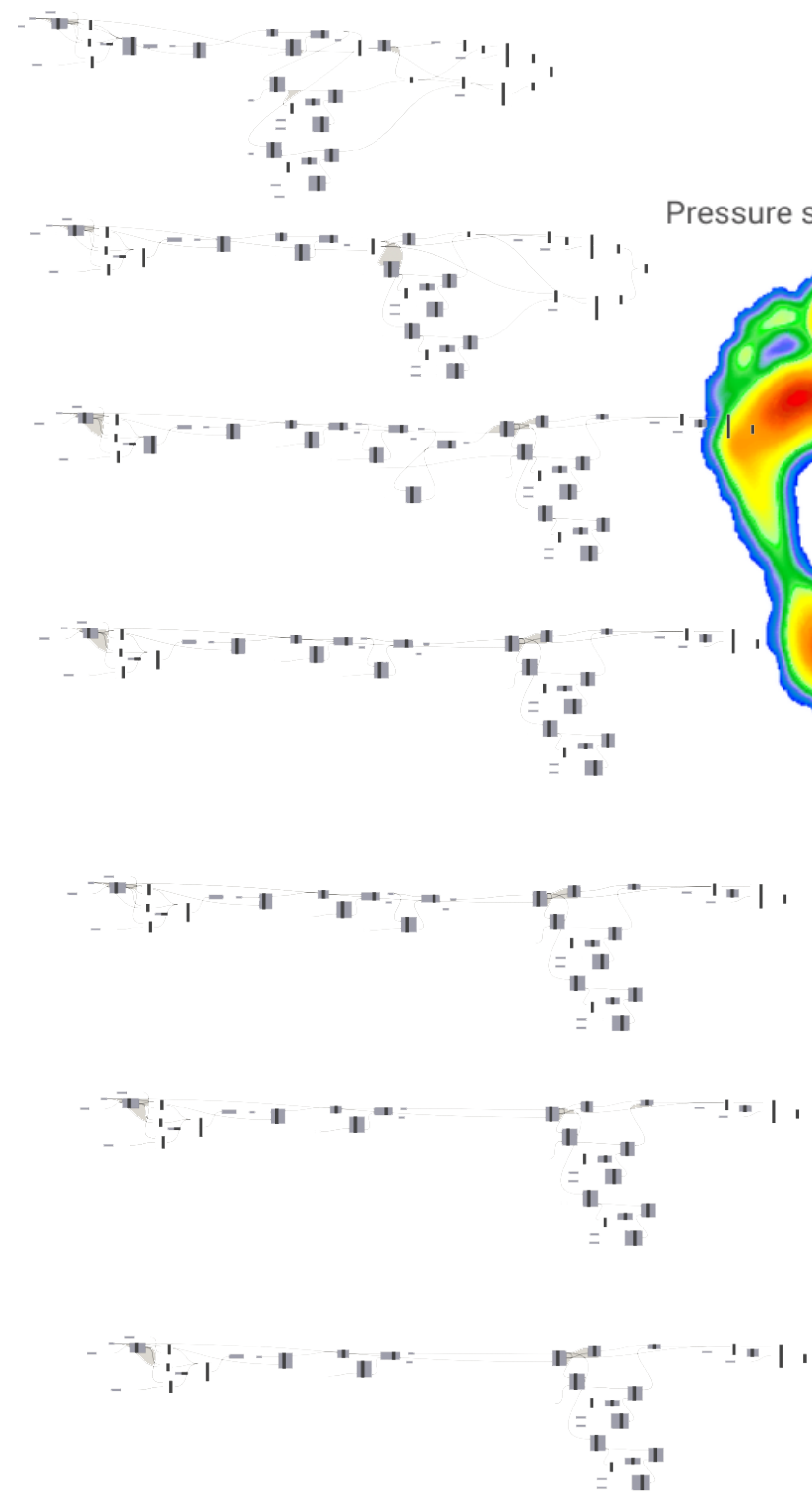
This new technology allows for localized and on-demand manufacturing and saves cost in tooling, labor and assembly, and supply and distribution.



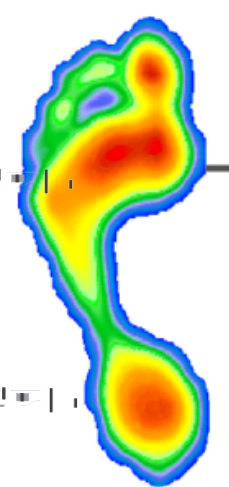


What is the future of football footwear?

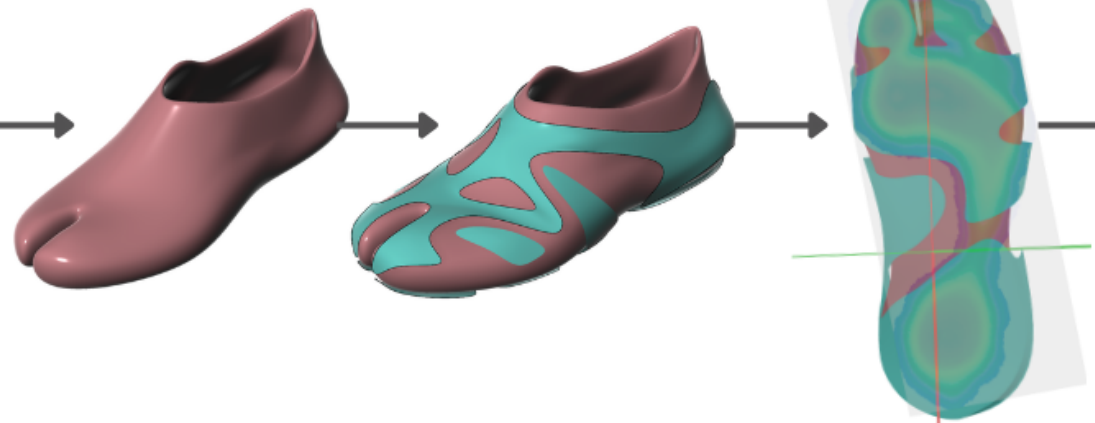
Envisioning a future where additive manufacturing takes center stage in the production of consumer goods providing greater capabilities for the production of custom and personalized products based on biometric data.



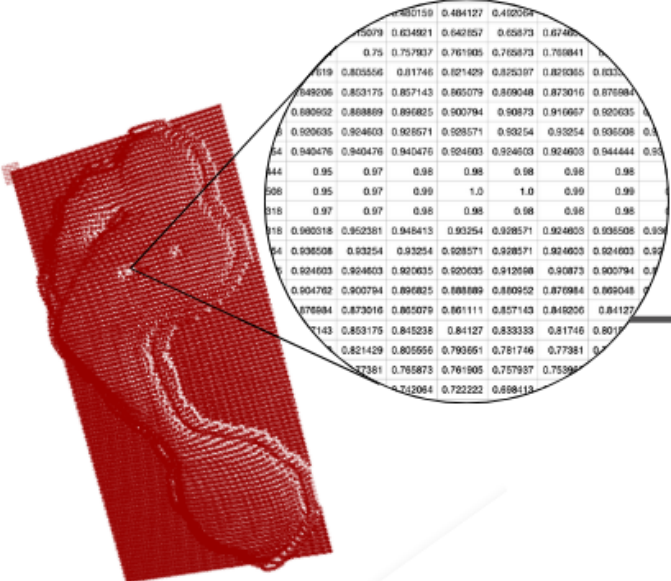
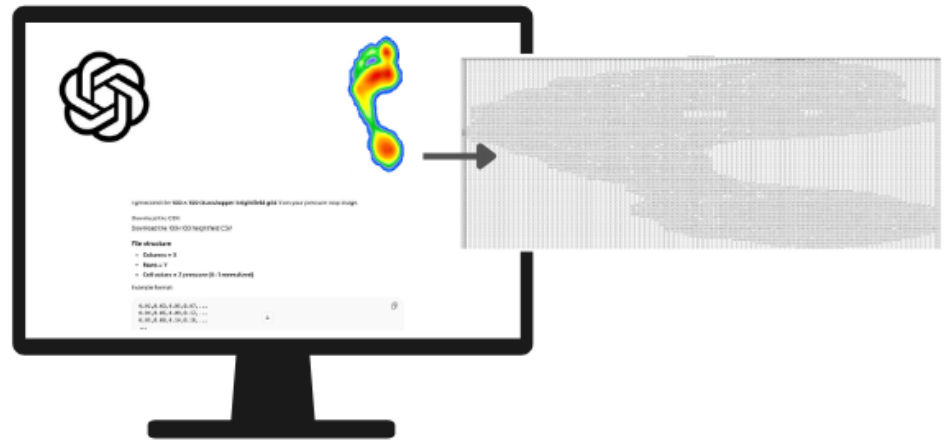
Pressure scan image



Modeling



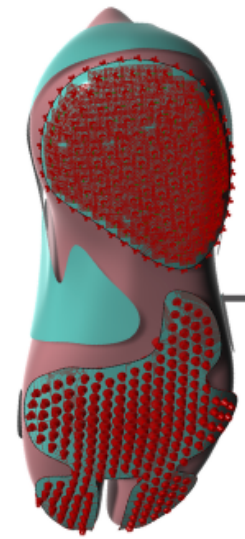
.csv Data



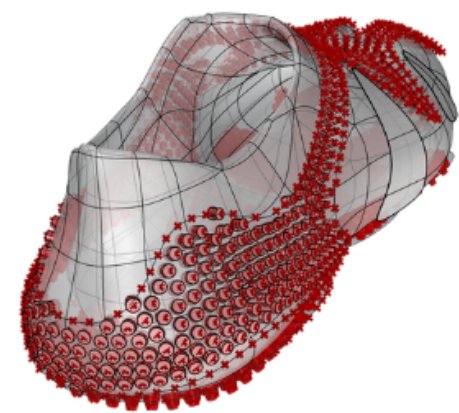
.csv to Points



Point to Surface

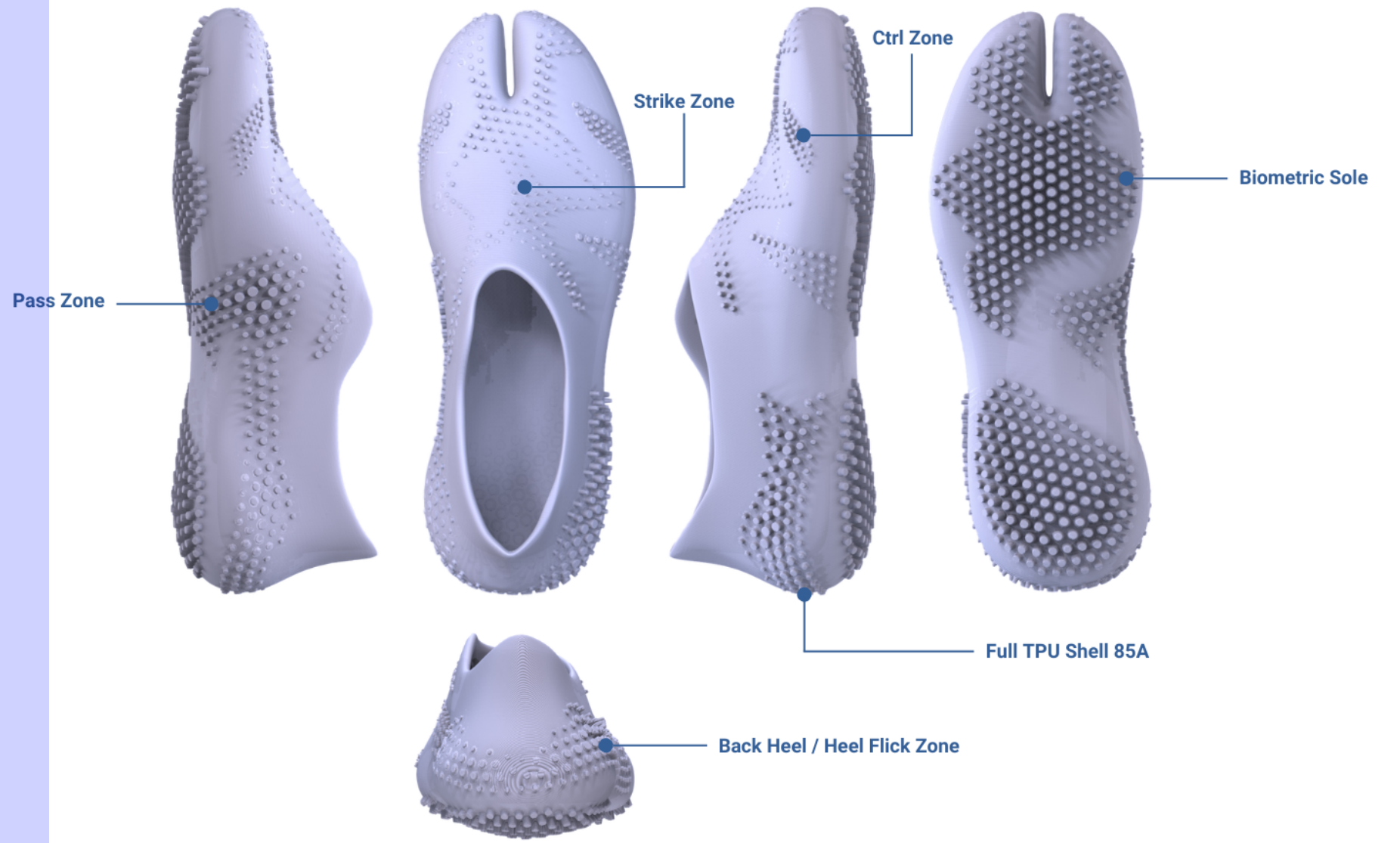
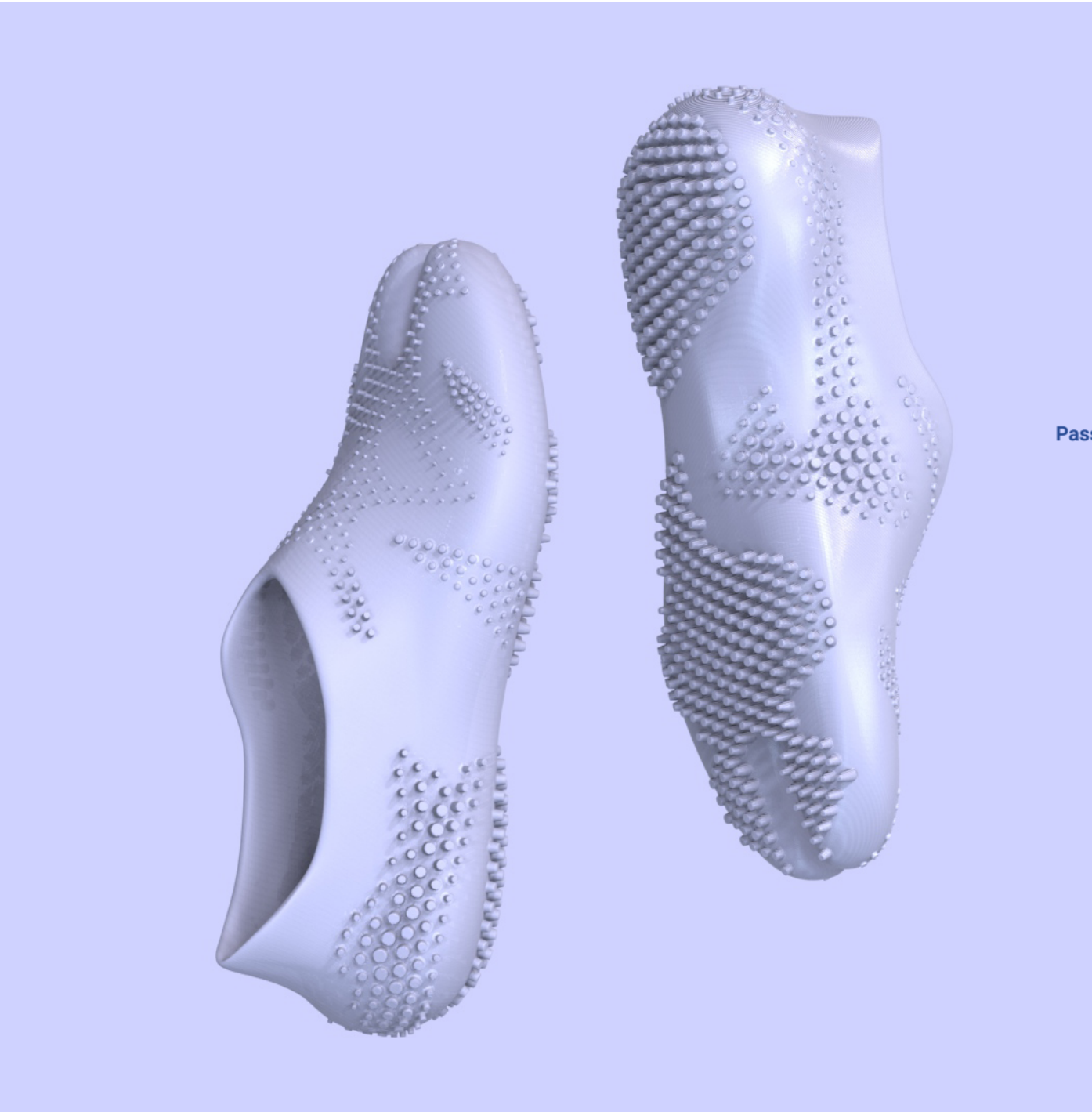


Informed Outsole Texture



Upper Attractor Texture





Pass Zone

Strike Zone

Ctrl Zone

Biometric Sole

Full TPU Shell 85A

Back Heel / Heel Flick Zone

nike flex guard

Shin guards are a football player's worst nightmare. Taking Nike as inspiration, the Nike Flex Guard is designed to eliminate the discomfort that regular shin guards present when playing. By conducting research, performing interviews, and prototyping with virtual and physical tools, I arrived to a design solution that addressed key pain points of traditional shin guards. The flex guard allows football players to perform at the highest level without any compromise.

Design and 3D Modeling: Juan Pablo de la Garza E.
Prototyping: Juan Pablo de la Garza E.

May 2020
#FootballEquipment #3Ddesign #Prototyping

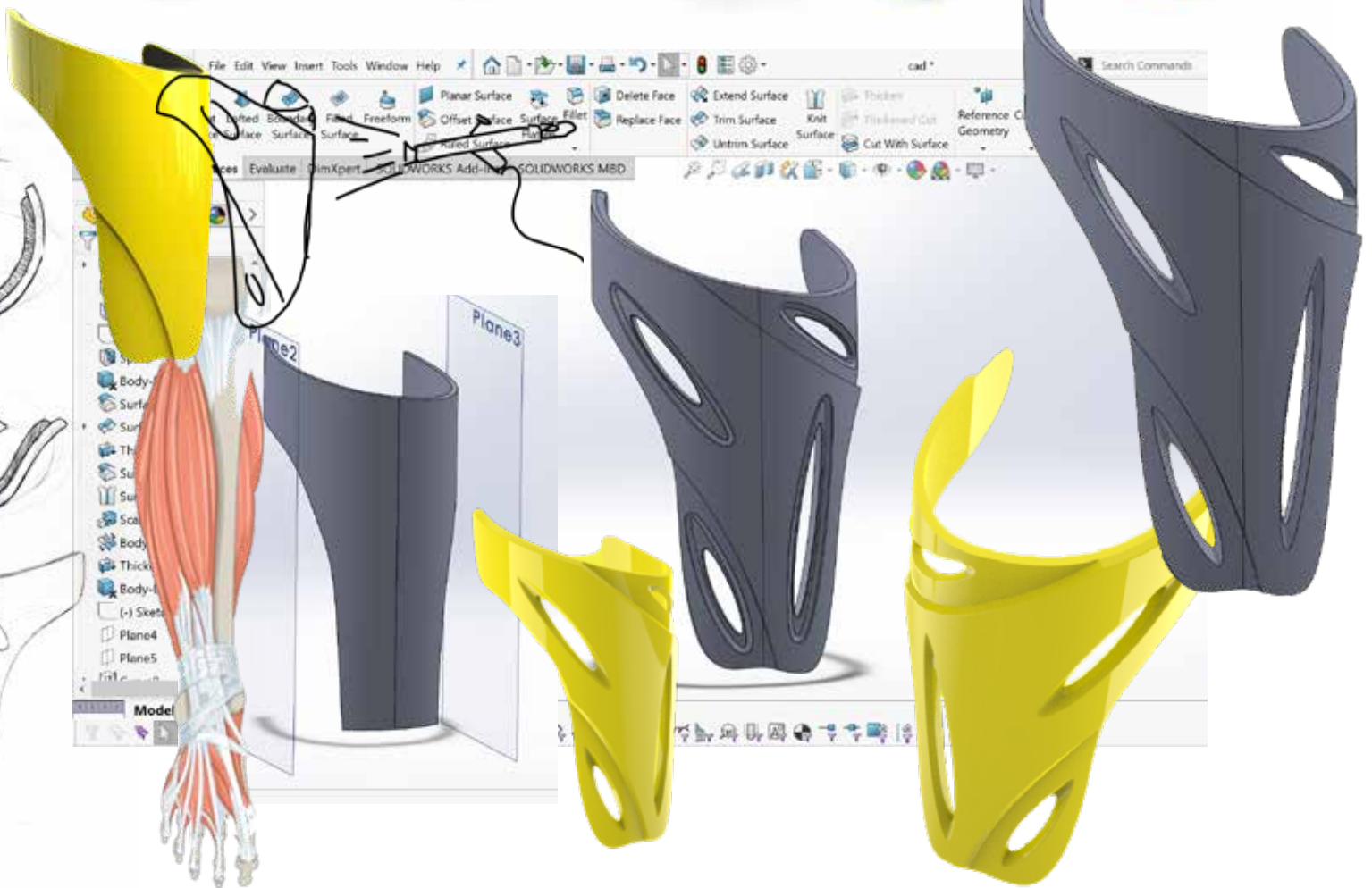
> *Materials: TPU + EVA (prototype: PLA 3D print)*
(165 MM)



interview

“ I have a tough time finding shin guards that don't move around my legs... Most have uncomfortable straps and make me feel clumsy.”

Sebastian Derby
College Soccer Player
@AmherstCollege



: // **nike flex guard**



- Secure
- Unobstructive
- Easy removal
- Breathable



zinetik 26 pfx

For the 2026 year we re-designed the Zinetik boot ahead of the 2026 FIFA World Cup. With the global event happening in our home turf we created a boot that spoke to the rich cultural heritage of Mexico and told a mythological story that would make our players and aficionados feel like warriors on the pitch. Our re-designed pfx upper features higher quality materials, the distinctive 'extended strike zone' seen in our previous model, and Mexico inspired motifs. Valuable feedback and insights from our previous projects allowed us to craft a next generation football boot.

/Upper Design: Juan Pablo de la Garza E.
/Tooling Design: Juan Pablo de la Garza E.
/Color Material Finishing:
Juan Pablo de la Garza E.

SP25 / SU25
#FootballFootwear #CharlyPFX
#FIFAWorldCup2026

> *Materials: 3D knit . TPU . microfiber
(270.0 MM)*



xiuhcoatl

Xiuhcoatl is the name of the mythical “fire serpent” in Mexica mythology. It represents fire, the sun, energy, and creation. It’s also the weapon of Huitzilopochtli, the Aztec god of the sun and war, with which he defeats Coyolxauhqui (his sister, the moon) in the cosmic battle that liberates every day.









zinetik 26 pfx "xiuhcoatl"

zinetik 26 "xiuhcoatl" collection



Teotitlan Textiles - Alternate Color Story

The region of Teotitlan del valle in Oaxaca, Mexico is characterized by its indigenous Zapotec roots and traditional textile creations. The craft originated from the Zapotec people, who make use of geometric patterns, vibrant colors, and natural elements which give the textiles their distinct look.



zinetik 26 pfx "teotitlan"



zinetik 26 "teotitlan" collection

