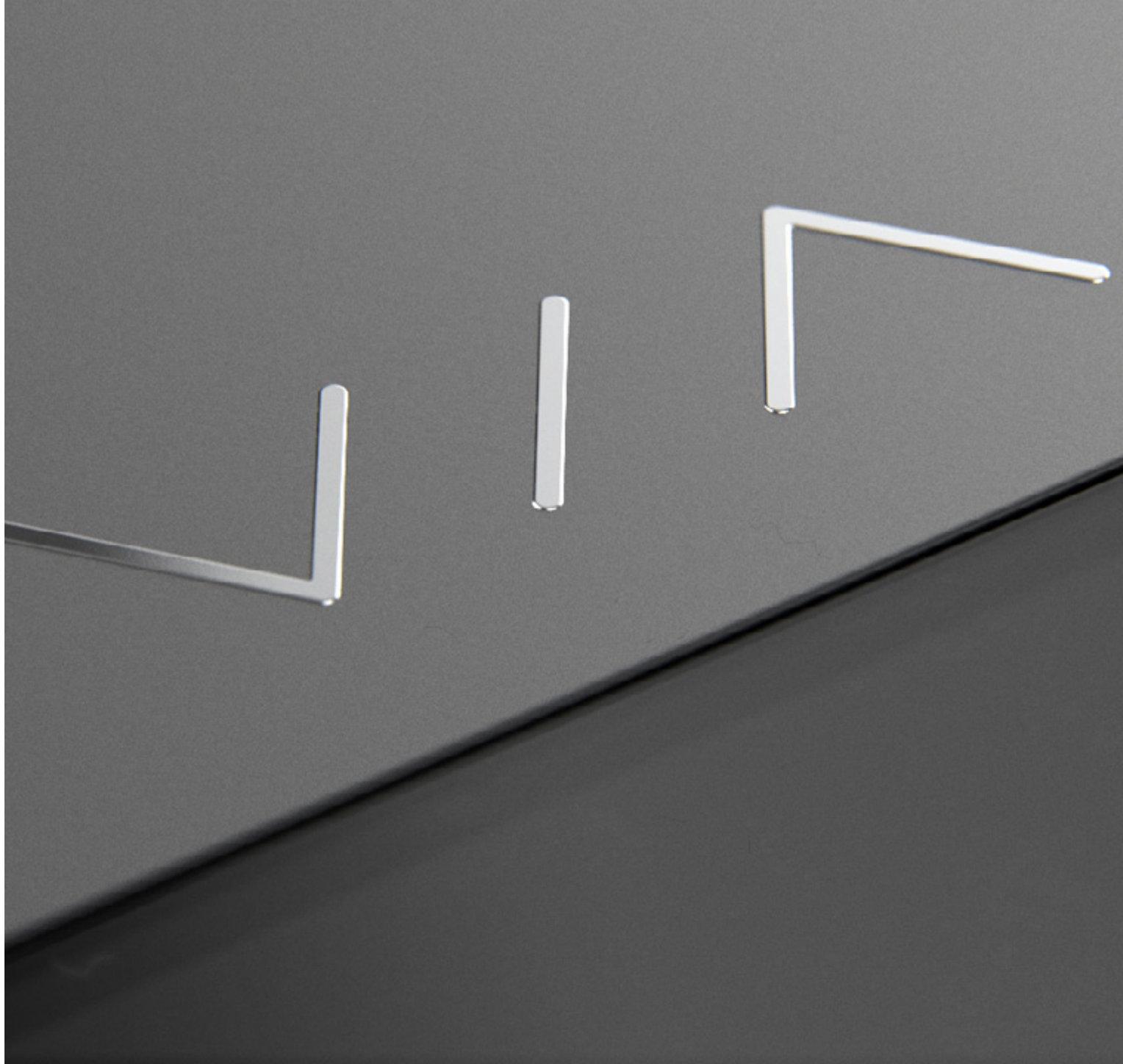
VIA

Handheld Printer & Scanner

VIA is an exploration into the future of the handheld printer & scanner market. As we live in an increasing digital age, we still rely on physical artifacts. One bridge between the digital and physical worlds is VIA.




Our lives dance between
digital and physical.

Why are clunky printers still a part of this process?

Reflect Current Advancements

Digitization and printing have come a long way, yet current devices don't reflect the advancements that are available.

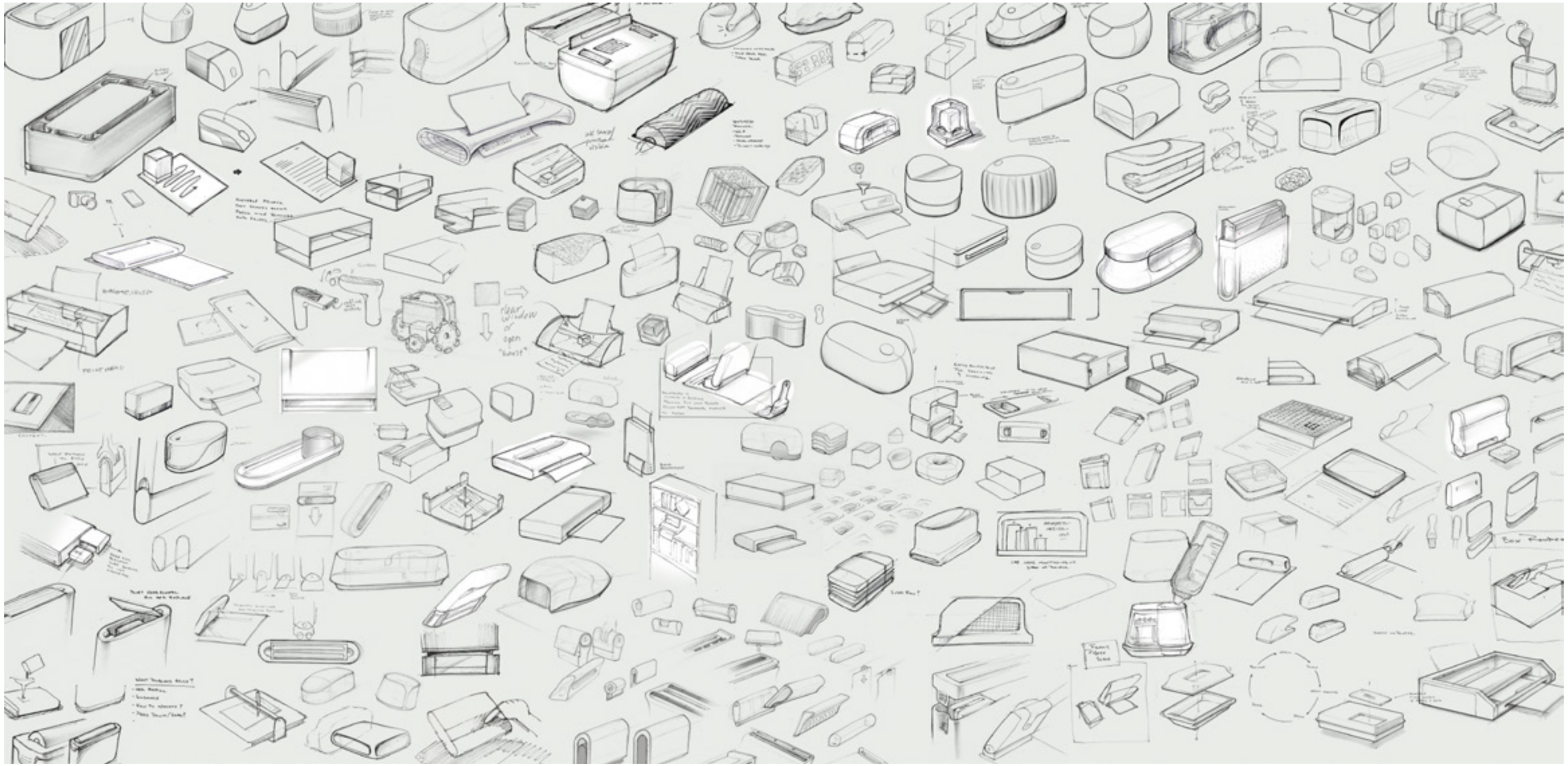
Minimal Footprint

With surroundings in mind, creating a portable and stowable product allows for easy adaptation for small home environments and portability.

Engaging UX

By incorporating a feeling of novelty and excitement to the functionality and iteration, a deeper connection can be made with the act of mark making.

Sketch Exploration
Focusing on digital to physical mark marking without the confines of a traditional printer was critical in finding new solutions.



Initial concepts
Four directions inspired by different forms of mark making to create delight..

Handheld Rover

Inspired by familiar act of using correction tape. Allows for a comfortable grip and the sense of control with each stroke.

Autonomous Marks

Taking spatial tracking technology and applying it to printers, the Autonomous Marks concept takes a hands off approach by allowing you to place it down on your paper and it does the rest.

Squeegee Stability

Taking inspiration from mark making, the screen printing squeegee in form requires a sense of focus, purpose, and stability.

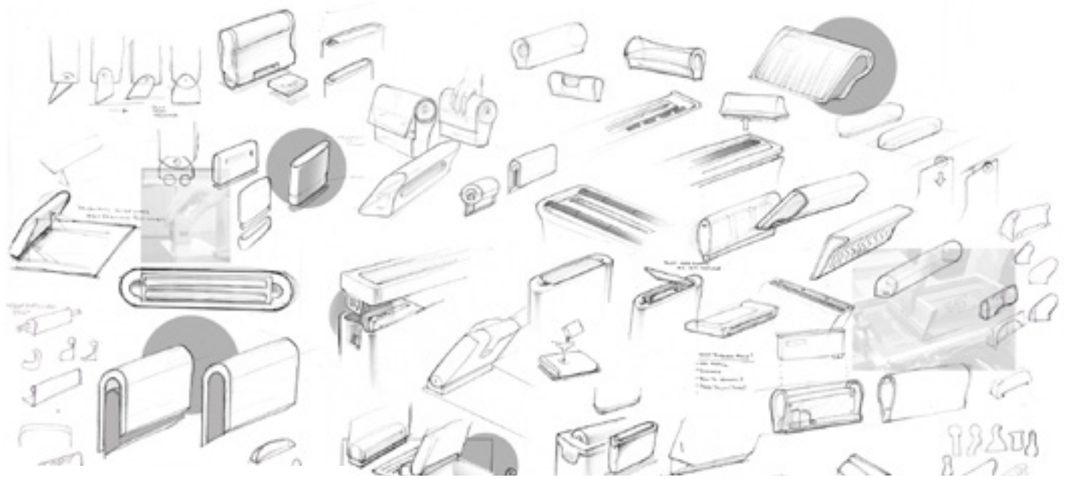
Guided Slide

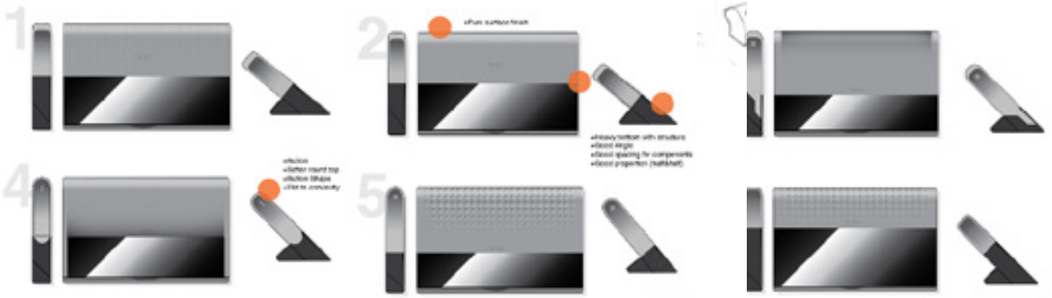
Creating a guided track allows a motorized print head to run back and forth. Stripping away the outer shell of the print creates a sense of precision and utility.

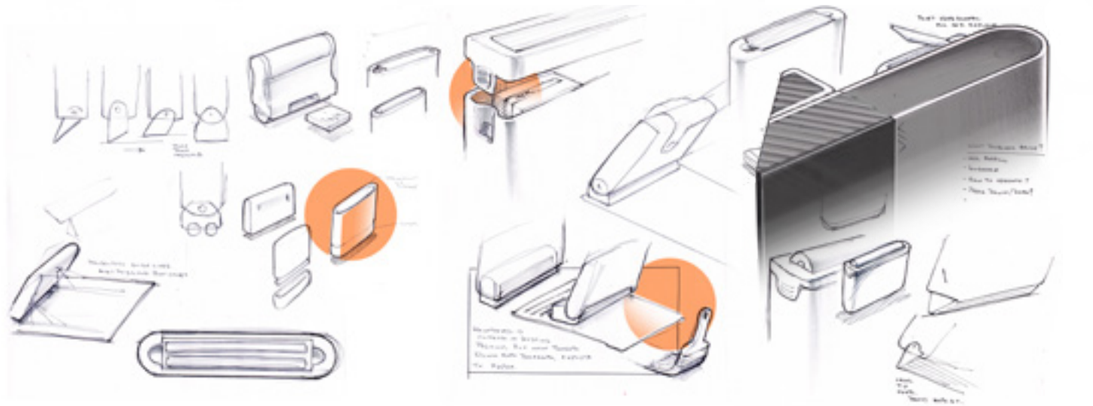
Concept Refinement
With obsessive iteration and refinement, the smallest tolerances, details and interactions were thoughtfully considered to make a streamlined experience.

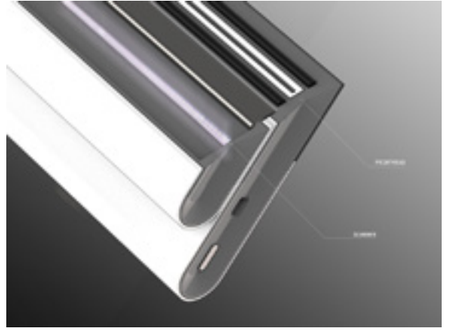
- LCD size
- End cap termination
- Print/scan activation
- Optimal print angle

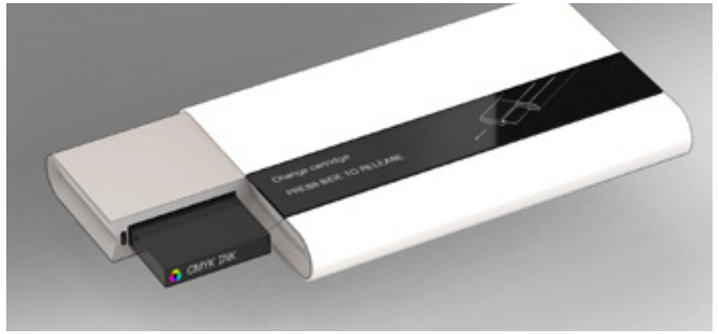
- Full bend hinge mechanism
- Cartridge change
- Grip texture
- Optimal print angle

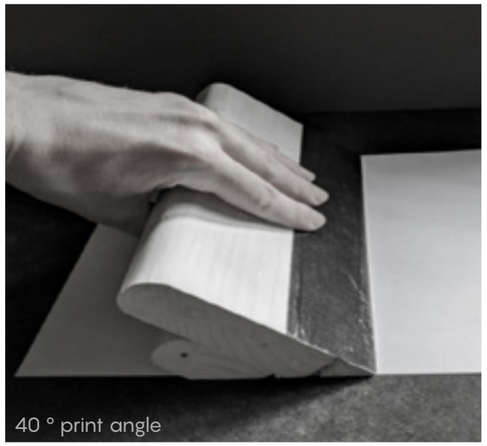


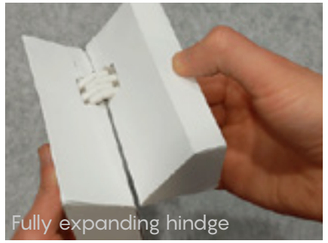


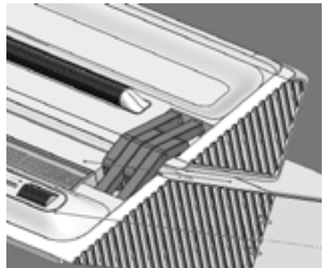


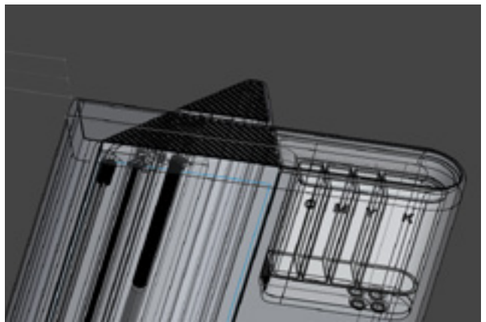


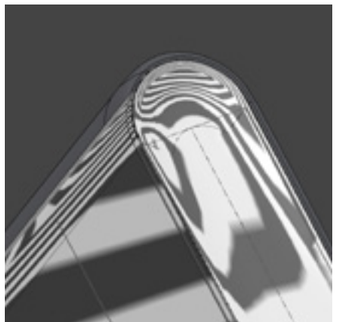












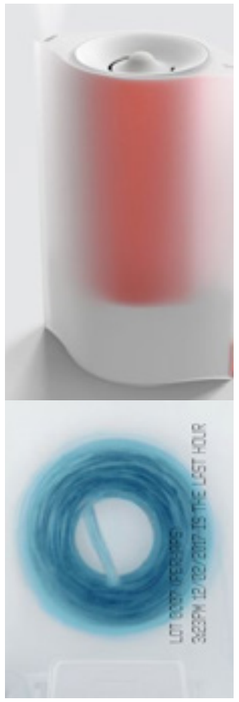
Material Finish Benchmarks
Looking at tangential products, materials and finishes were selected to evoke confidence as a premium precision tool.

TPU Overmold

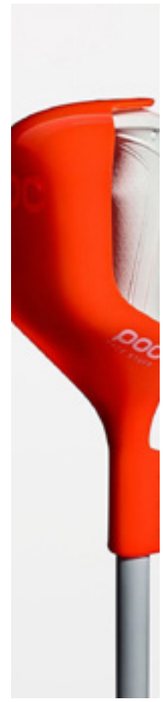
Black Polycarbonate

Tempered Glass

Beaded aluminum



Clear polypropylene



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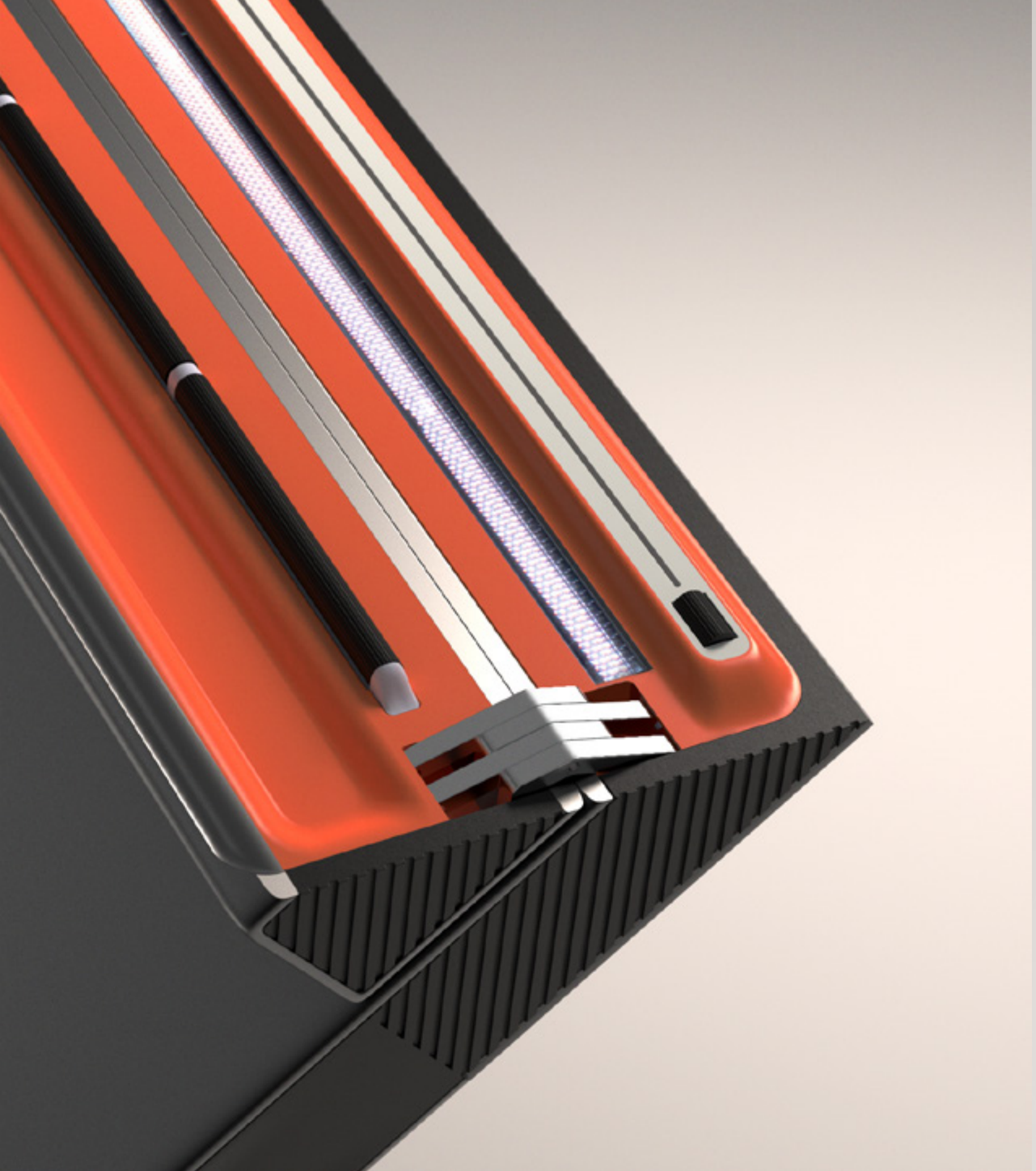


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