Workon*

teamCORNING


improve office life with
gorilla glass


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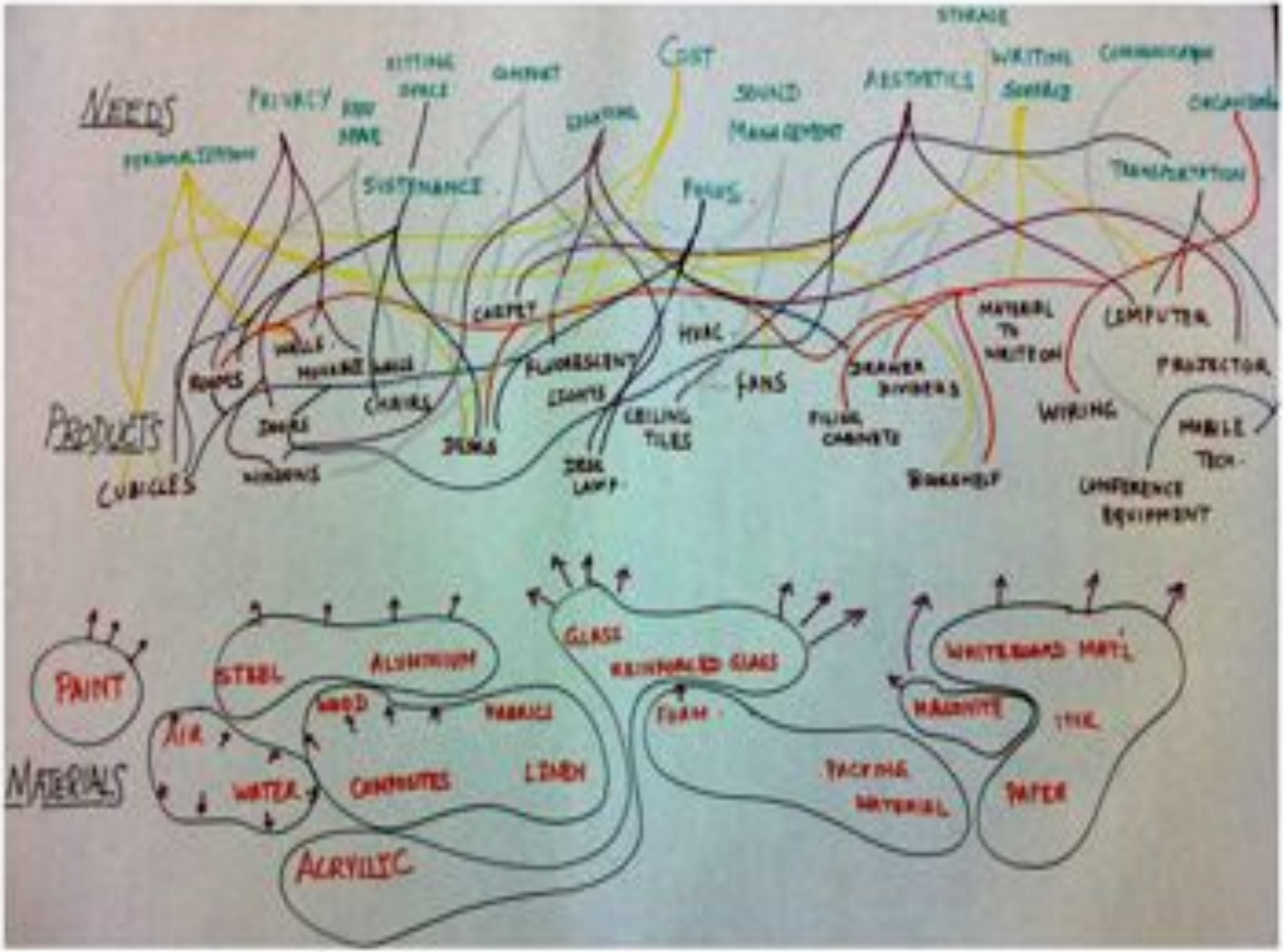
Work environment: **brainstorming materials ←→ needs**



What ideas can
we generate right now?

"smart glass" technology benchmarking

Smart Glass Technology	Special features	Disadvantages*
Electrochromic Devices	• Burst of electricity required for changing opacity. • Once change has been affected; no electricity needed for status quo.	• Very slow to switch between states.
Suspended Particle Devices	• Rod-like particles suspended in a fluid placed between two glass layers. When voltage applied, they align and let light pass.	• Voltage must be applied to maintain transparency. • Note: should be the other way around for 'open offices!'
Microblinds	• Rolled thin metal blinds on glass.	• With no applied voltage, the micro-blinds are rolled and let light pass through. • With a potential difference they close off.
Liquid Crystal Devices	• Liquid mix of polymer and liquid crystals placed between two layers of glass. • No applied voltage. • Resulting in scattering of light it has a translucent, "milky white" appearance.	• Control of translucence depends on precision of manufacturing operation. • Natural state is translucent.


Close your eyes and
imagine what it sounds
like to be in one of these spaces


Meet
“Tiffany”

Early **experiential prototyping**

double pane reduces noise

blind for privacy on demand

interior lighting provides contrast for writing

Meet Corning's Requests	Leverage Gorilla Glass Properties	Satisfy Discovered Office Needs
Go Big! Make a *large* impact – so much the better if with *large* sheets of Gorilla.	**Make It Interactive** Maximize the value of Gorilla's durability by taking it out into the world.	**Manage Privacy** Address a business need to seamlessly transition from public to private.
New Market Explore new spaces outside of digital displays and other Corning markets.	**Be Flexible** Embrace the thin, flexible form factor rather than succeed-ing in spite of it.	**Control Sound** Balance interaction with privacy by actively managing conversation and ambient noise.
Think Corporate Solve real needs in the business world.	**Transparency** Never forget that transparency is a large part of what makes GG unique.	**Lighten Up!** Open up office spaces by allowing light to flow more freely and fostering visibility.

Summary: from the design proposal generated by the Corning team near the end of ME310a

Plan for Future Action: Invent or Re-Invent?

As we continue to find products in offices that can naturally benefit from Gorilla Glass, we must decide whether to pursue this type of solution or instead develop an entirely new product offering. Some ideas we plan to explore are:

Collaborative Writing Surfaces optimized for both vertical and horizontal orientations that include a mechanism for digitally capturing content and then reproducing it later.

Adaptable Partitions which provide active noise cancelling capabilities and can instantly transition from translucent to opaque to meet continually changing privacy needs.

Workspaces and Storage Solutions which leverage Gorilla Glass's translucency to facilitate material discovery and inventory management while maintaining cleanliness.

Dark Horse Candidates which include Gorilla Glass business cards, reusable printing surfaces, alternate material facades, and other options yet to be discovered!

Plans:
From the design proposal generated by the Corning team near the end of ME310a

So where did they go next?

Sound masking

Covering noise with unobtrusive background sound to achieve more stable acoustic environment.

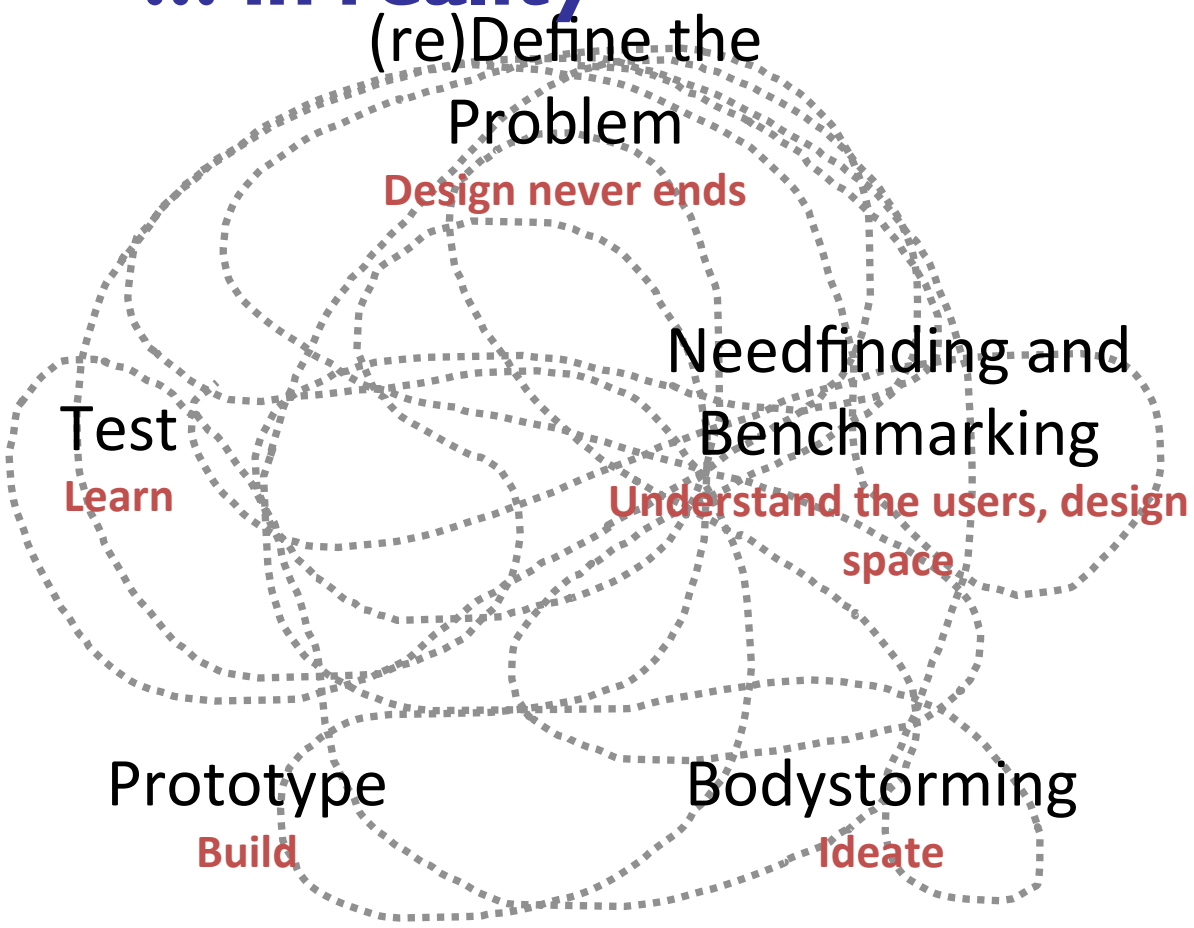
Without sound masking

With sound masking

Stanford-IDEO

like **design process**

... in reality

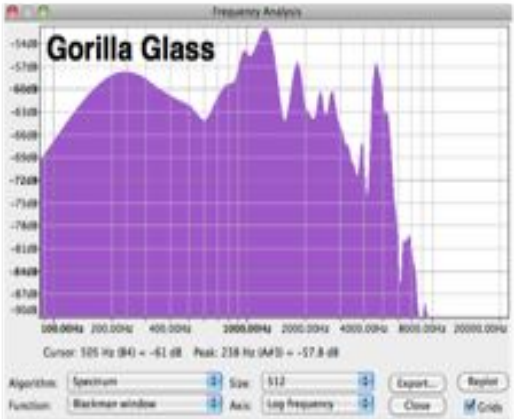


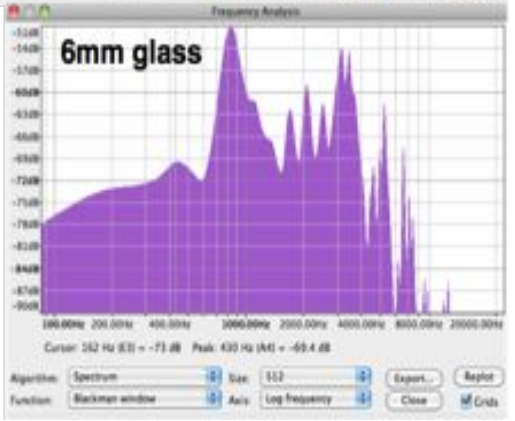
more benchmarking!

Colors of sound

Testing the Gorilla

technically





Testing the Gorilla

qualitatively

...

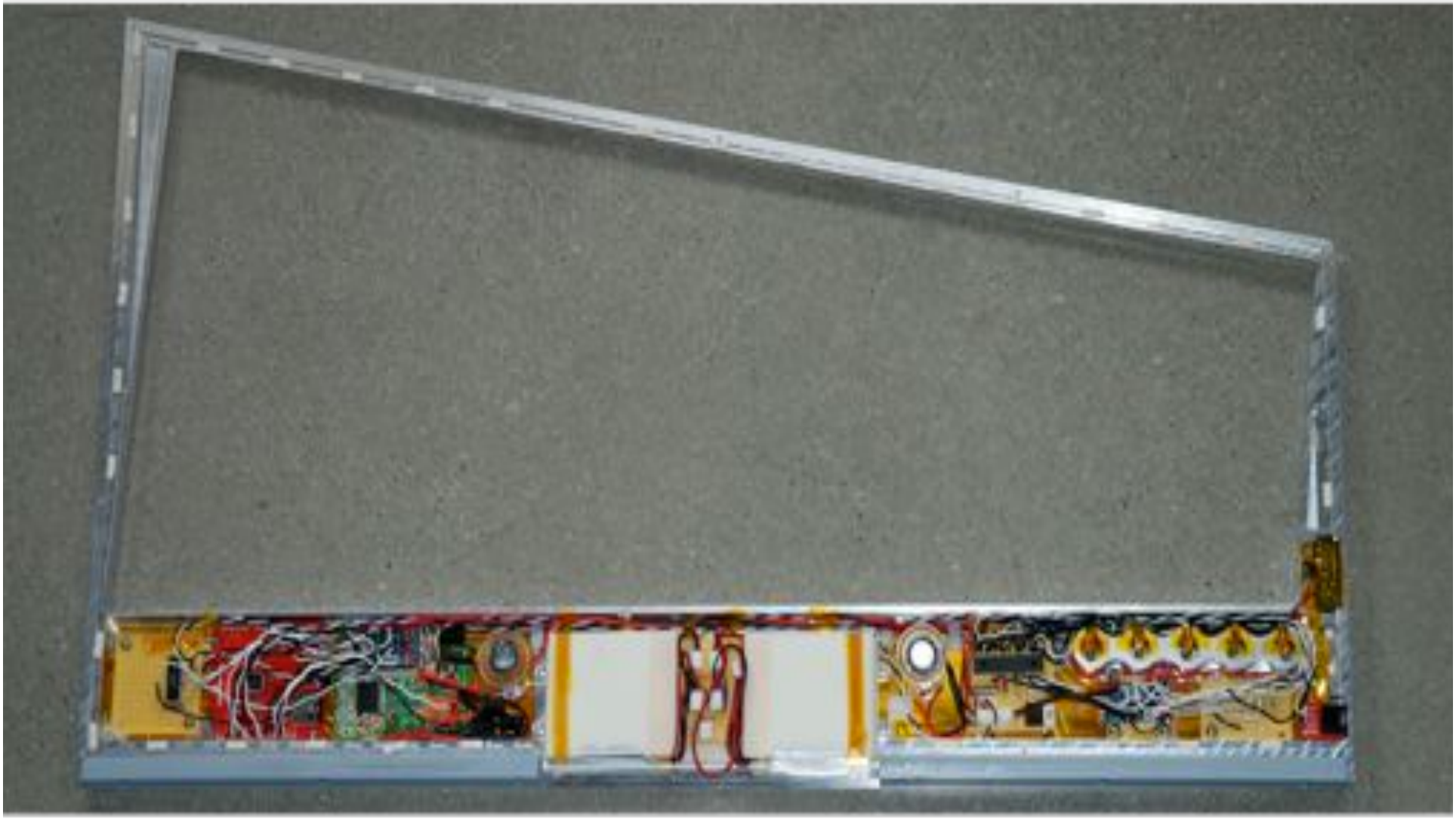
"Gorilla does better at lower frequencies and sounds nicer because of it"

Testing Sound masking

Speech recognition test

What's Inside

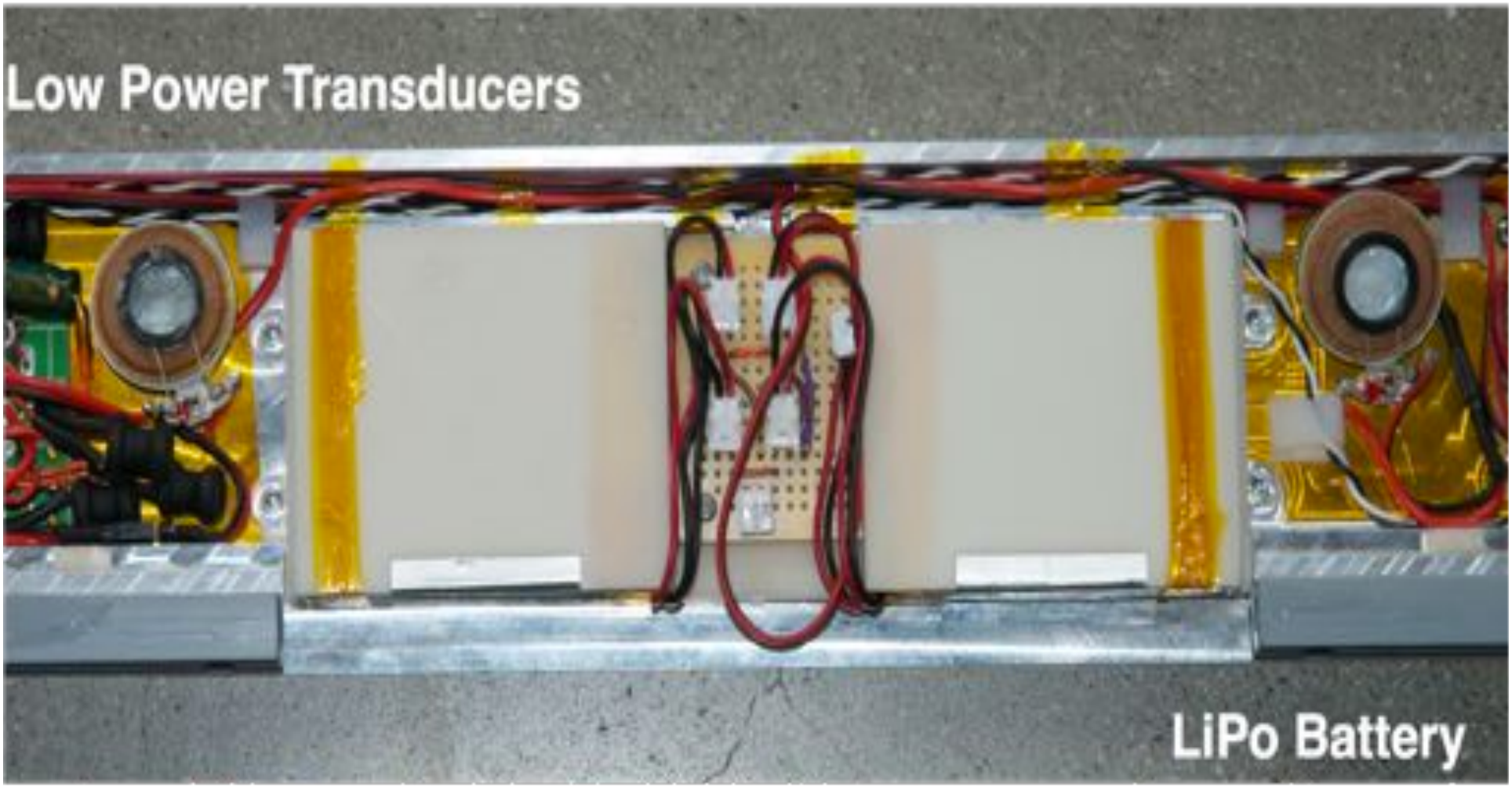
Inside Workon*

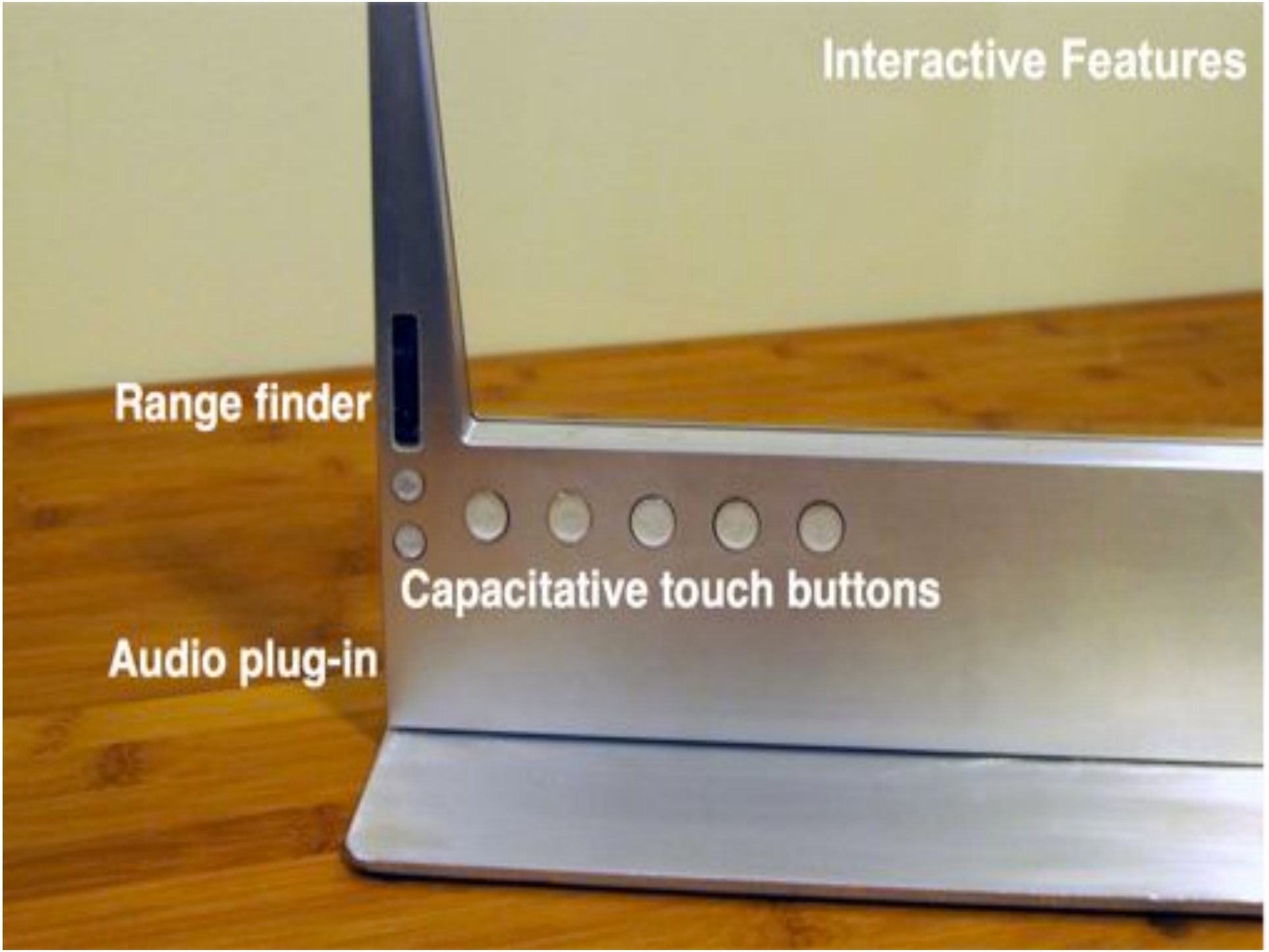


Precision CNC design. Densely packed electronics.

How It Works

Inside Workon*




Interactive Features
Range finder
Capacitative touch buttons
Audio plug-in