



## HOT WIRE EXTENSIONS

Conceived by design agency Studio Ilio, founded by Royal College of Art graduates Fabio Hendry of Switzerland and Seongil Choi from South Korea, Hot Wire Extensions demonstrate the powers of material innovation by transforming line structures into solid bodies.

The process reuses the waste nylon powder of SLS 3D printing, which is not currently recycled. Activated by electric current, sand and powder grip along the wire, resulting in the pliable becoming solid, with the thickness of an object depending on how long the battery is connected for. The result? Beautifully delicate structures cut to the bone.

Their first collection, a series of 12 stools, showcased the possibilities of a process that began with searching the college's bin for discarded waste that might melt around electrically charged resistance wire. Hot Wire Extensions takes the idea further by repurposing the powder to create exquisite domestic objects.

With three designs, Basic Stool, Basic Bench and Random Light, the team's latest collection, for Okro, shows the versatility of a material which could also be used in the office for room dividers or shelving. "We believe that original and long-living products result from an authentic process," say the designers.



HR Rohrer



↑ Random Light reuses the waste nylon from SLS 3D printing



## REAGIRO

"Utterly mundane, everyday things have the capacity to shape – in fact, change – who people are, what they do, how they view the world and are viewed by others." This is how Swiss designer Reto Togni best describes his work.

For the Design Switzerland exhibition, Togni presented two projects, one of which was Reagiro, a mechanical wheelchair prototype promising a new and better user experience.

What makes Togni's design unique is that users can turn by using their upper body strength, a process that is enabled by a pivoting backrest, which directs small caster wheels.

This facilitates steering, relieves the use of hands and requires less effort for the user, offering possible therapeutic benefits in everyday life such as at the office. Providing a more comfortable working experience, Reagiro also demonstrates how workplaces can become more inclusive environments. ▣



↑ Reagiro users turn the wheelchair using upper body strength



↑ AATB's Sunny Side Up looks towards the position of the sun



## SUNNY SIDE UP

As technology is becoming increasingly intertwined with our IRL (in real life), one studio breaking the trend to turn back the clock is AATB.

Founded by Andrea Anner and Thibault Brevet in 2018, the practice examines human-machine interactions through the lens of kinetic and interactive products with a playful edge. Sunny Side Up is one of two projects the duo presented in Milan, which proposed a radically different take on time.

Inspired by the traditional Japanese clock, the Wadokei, that utilises a seasonal time system with units varying along the seasons and the lengths of days and nights, Sunny Side Up faces the direction of the sun to indicate sunrise, sunset, day or night.

"The clock is deliberately meant to not give a minute-by-minute count of the day passing, but instead provide a visual cue so that we can drop the 'what time is it' altogether and replace it with 'where are we in the day'," explains AATB.

With two humorous cartoon-like eyes telling the time, the project adds a light-hearted touch to a variety of spaces, while also serving as a gentle reminder of our own natural rhythm. The designers note: "Seeing the eyes of the clock passing the sunset mark is definitely the sign to go home."