FILE UNDER:

Clean Tech Innovation



We aim to replace the PVC with plants in records, serving as a global model

INTRODUCING THE WORLD'S FIRST ECO-FRIENDLY, GEOTHERMAL ENERGY-POWERED RECORD FACTORY

LARRY JAFFEE • THERMAL BEET PRESSING DECK • APRIL 2024

START-UP STRATEGY

Phase One: Proof of Concept

—get Iceland factory operational 3Q 2025

Phase Two: Launch Thermal Beets record label

Phase Three: Export to U.S. process/local supply chain concept

Co-Founded B2B conference 'Making Vinyl' in 2017 in Detroit

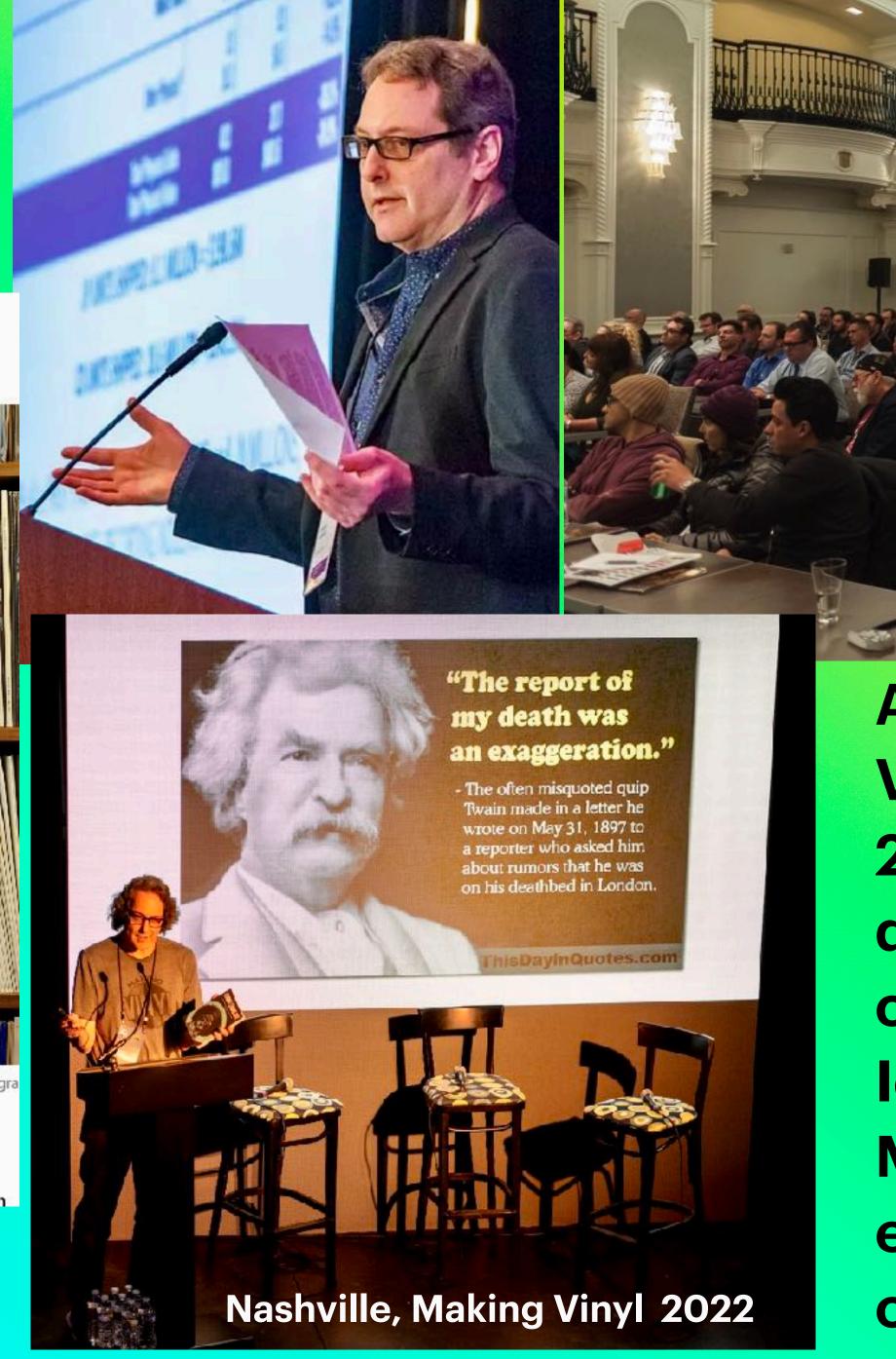
Vinyl revival: is there an environmental cost to record sales?



■ Vinyl sales have a 3.6% share of the overall recorded music market, including streaming. Photography of the property of

For an event dedicated to the vinyl revival, the setting couldn't be more appropriate. In the mid-70s David Bowie sat in the same wood panelled room

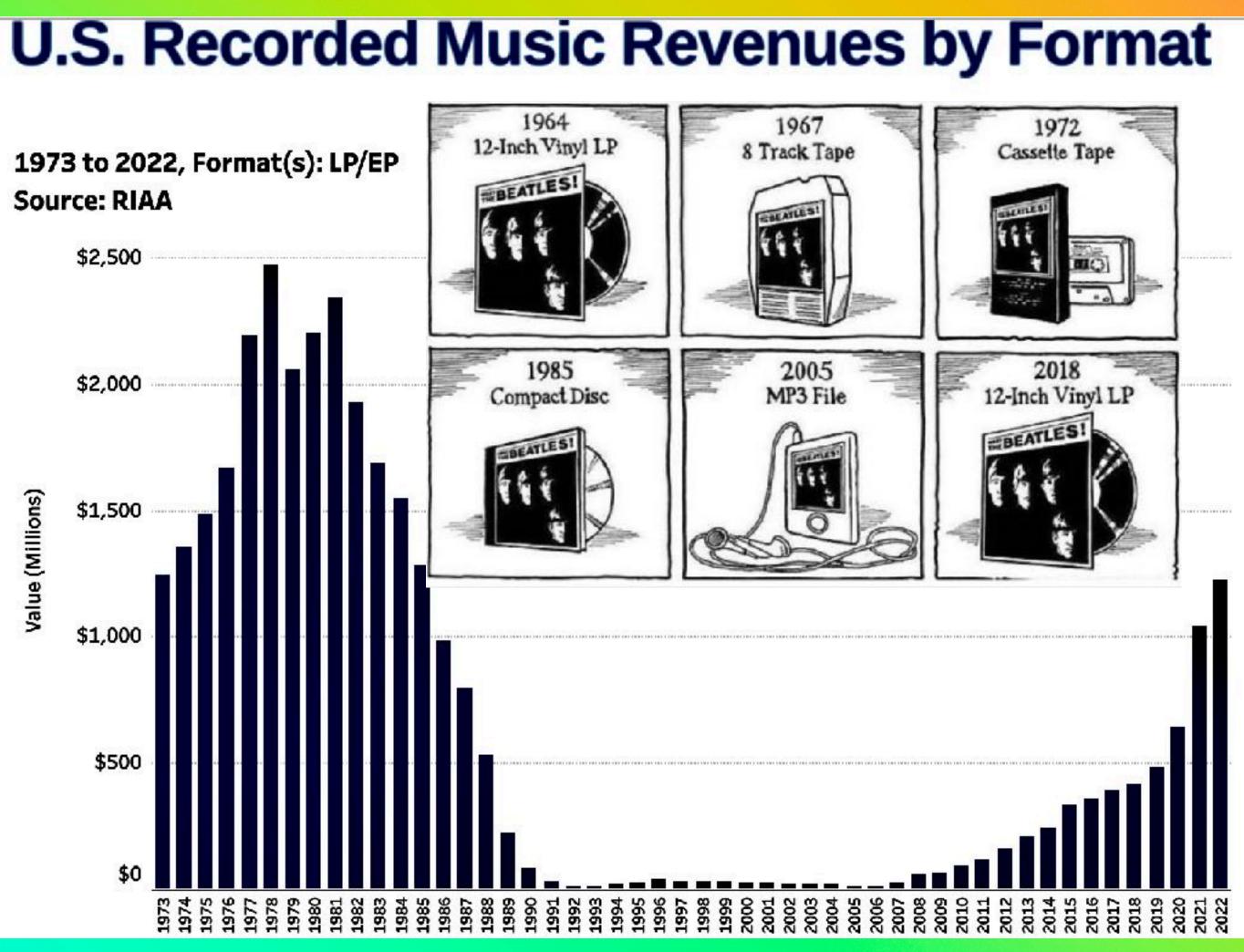
May 2019, Berlin event, Guardian headline



After returning from Making
Vinyl in Holland in October
2023, three founding partners
decided to build a sustainable,
carbon-free record factory in
Iceland. We visited in midMarch. The government
embraced the concept and
offered incentives.

The record revival is about to get modernized and far more ecological





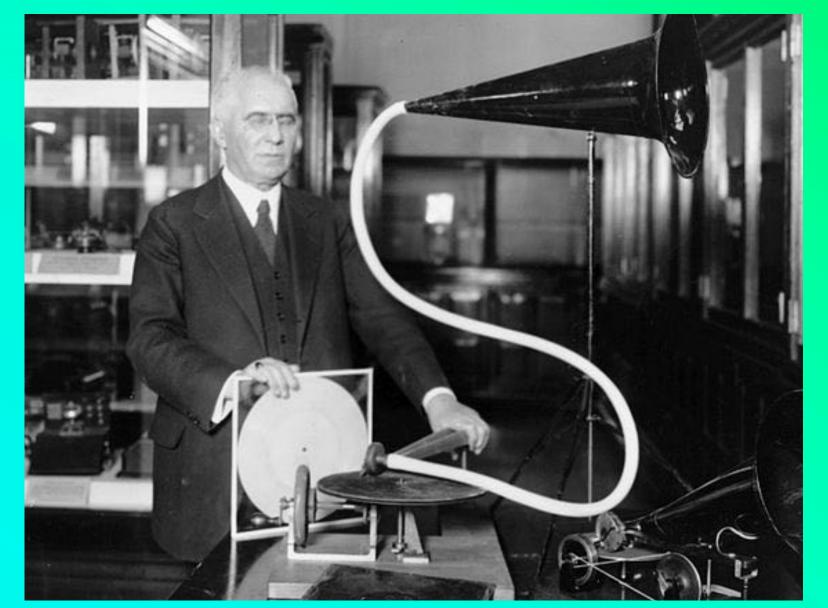
Today's vinyl buyers hit all demographics and future growth is projected through 2030.

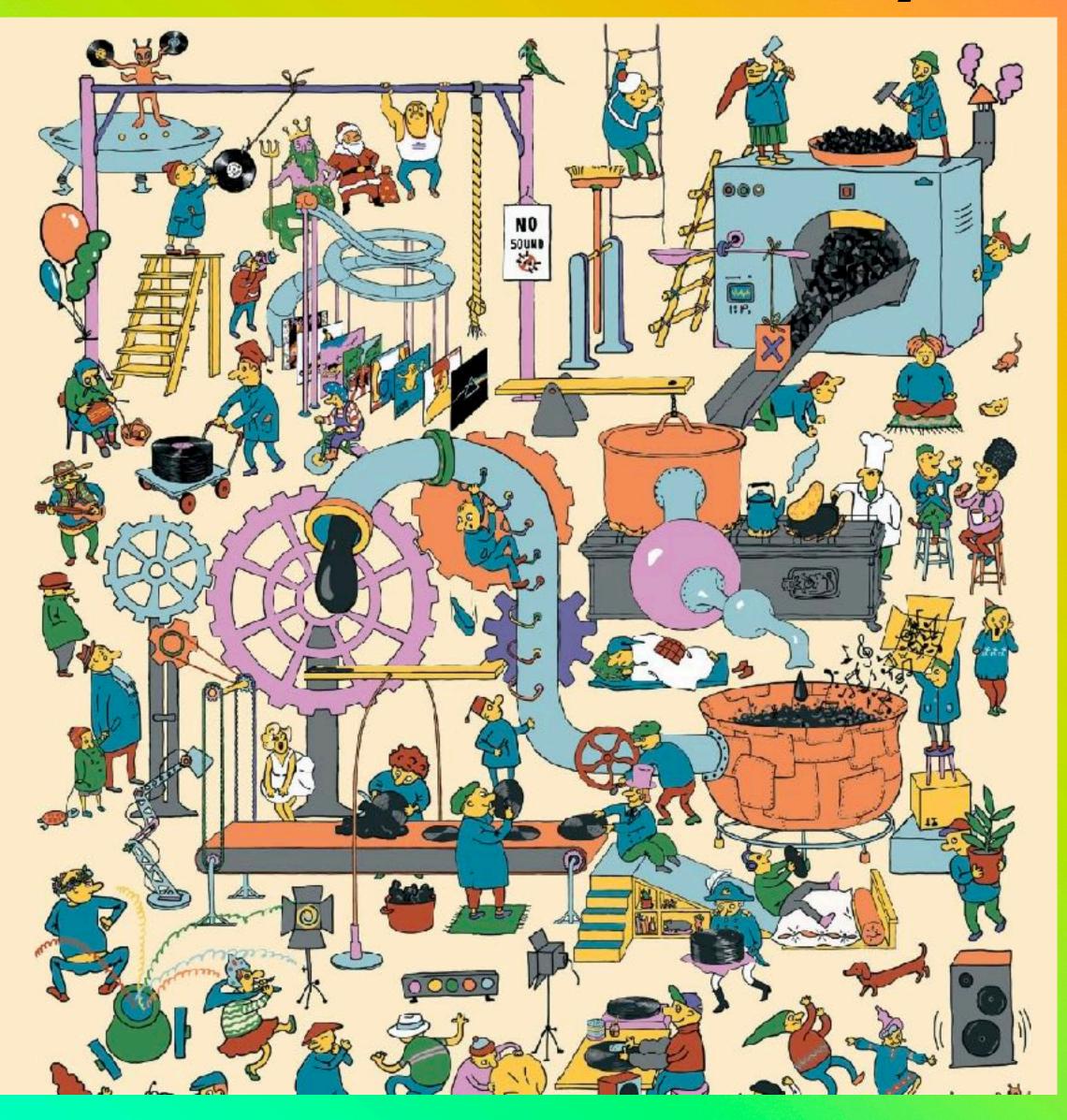
Records Make People Happy But How They're Manufactured is Outdated, and Not Eco-Friendly



The process of pressing vinyl records hasn't changed much since the LP debuted in 1948.

1960s TV cartoon
'The Flintstones'
Stone-Age record
player (above), while
inventor Emile
Berliner shows off
his round disk
prototype turntable
in 1888.





We're Removing the Fossil Fuel from Records

Vinyl LPs are made from PVC. Greenpeace calls it the "most environmentally damaging plastic." PVC records require toxic stabilizers. Our additives are biodegradable.

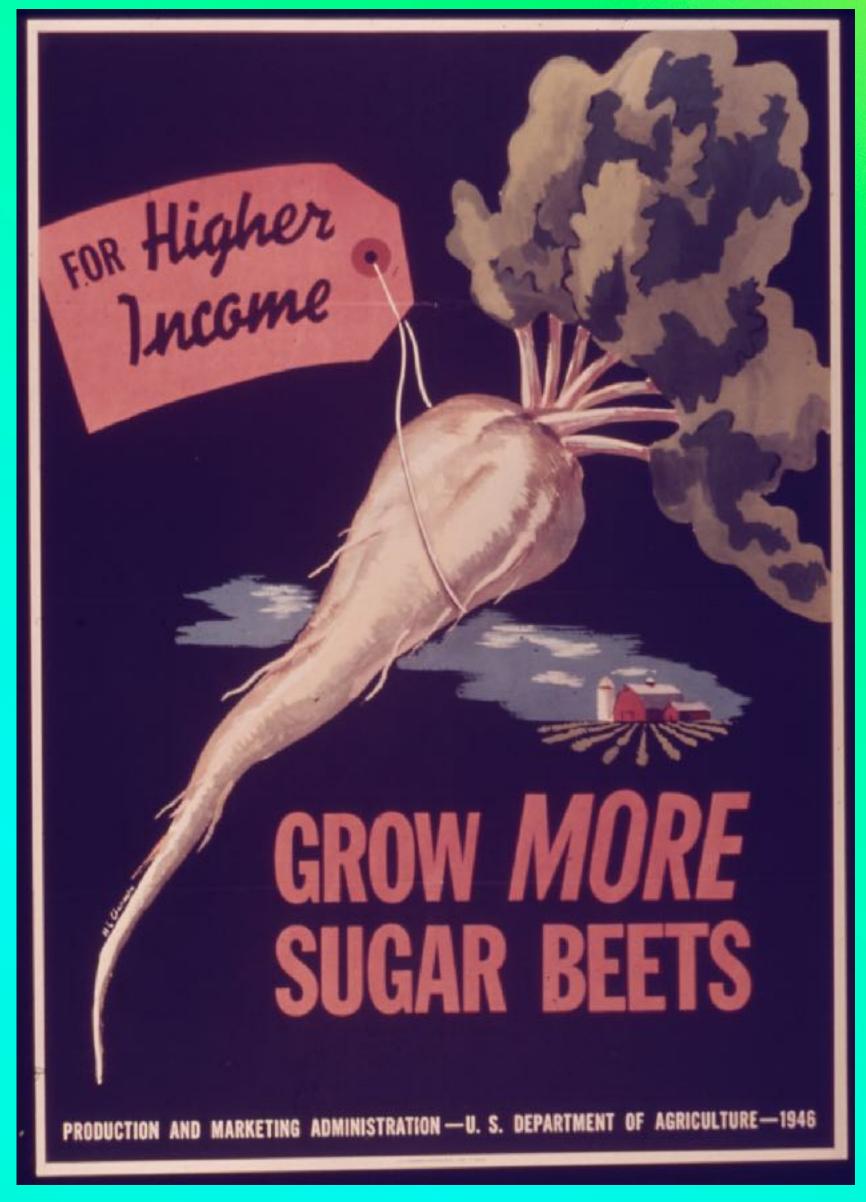


will pioneer a more fully sustainable way to produce records locally for Iceland's unique and vibrant music market.

Our strategy localizes the supply chain on the

island and eliminates material imports wherever possible.

We Plan to Make Our Records Out of Sugar Beets



Our alternative to PVC is made from plant-based materials, with some natural mineral binders, and non-toxic additives.

Tested in the UK, this "Bio-plastic" was developed by **Evolution Music** pressed on LPs for Brian Eno's Earth/Percent featuring music of Michael Stipe (REM), Nile Rodgers (Chic), Robert Smith (The Cure) and Coldplay.



WHY ICELAND TO LAUNCH OUR ECO-APPROACH? Far less energy costs, unique music scene

Takes advantage of Iceland's geothermal energy

Uses less electricity to run a steamless pressing machine

Removes the need for a fossil fuel-fed boiler

Embraces solar and hydro power to help run the factory

Uses recycled paper, plantbased inks for packaging



Iceland July 2023 volcanic eruption near Grindavik



Government-Owned Agency Invited Our Thermal Beets Factory to Be Its First Cultural/Arts Tenant and Grow the Sugar Beets in a Greenhouse





CECIONO MUSIC Project has great potential CECIONO MUSIC Project has great potential Pr

"I am convinced the Thermal Beets project has great potential." **Export Manager, Iceland Music**

In March, We Found Icelandic Partners to Help

- Similarly-minded organizations, people who want to save the planet
- This Model Factory...

 That Can Be Replicated
- Music labels (Earth Sonic); musicians; Elsewhere in the World record stores; recording studios;
- Next: recycled paper producers; eco-farmers with greenhouses

Iceland University of the Arts

- Activists and influencers
- Eco-savvy investors who love music and seek a ground-floor opportunity on the future



How Do Sugar Beet LPs Sound?



1980s Maxell cassette tape advertisement

Abbey Road Studios in-house producer Rob Cass was "SPEECHLESS" after learning Evolution's test record was made entirely from plants.

Peter Thomas, founder and chairman of the UK-based pro audio manufacturer PMC, reported the record's aural performance was "INDISTINGUISHABLE" from traditional vinyl.

PMC recently invested in Evolution, which spent 5 years developing its Evovinyl material.



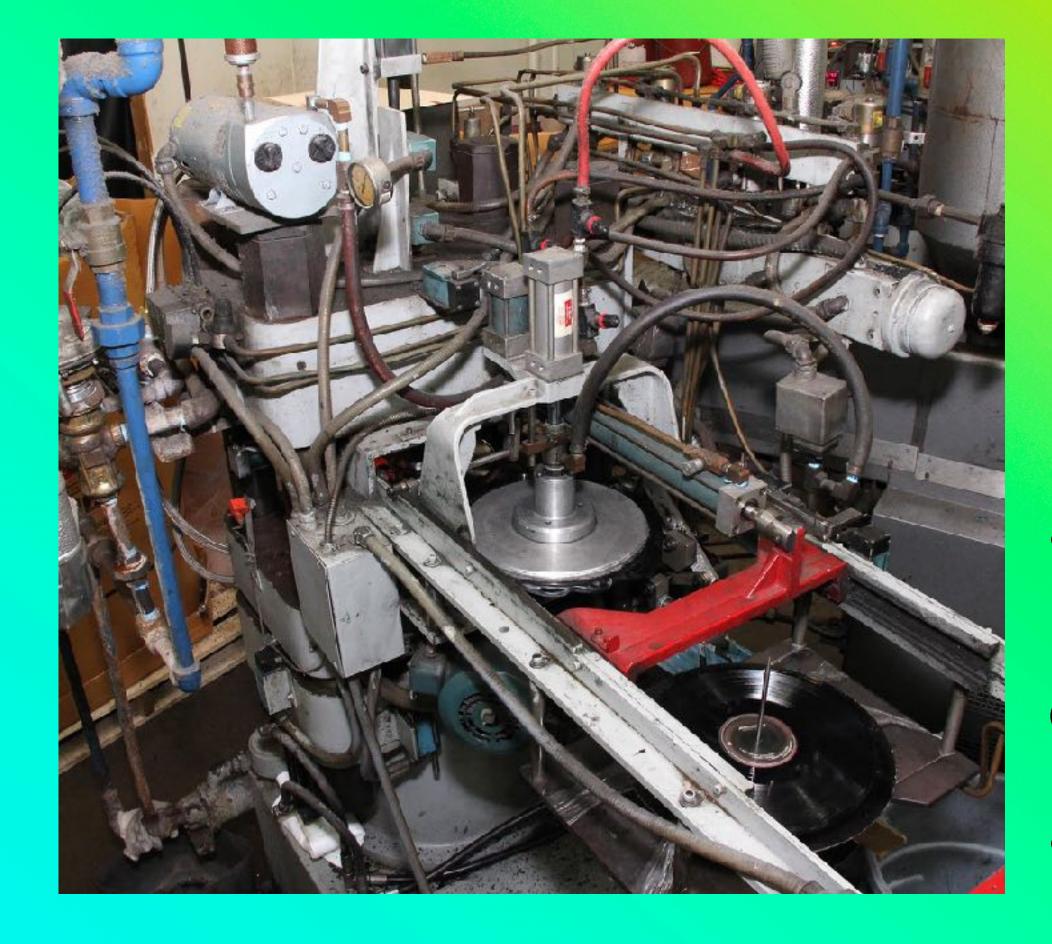
Gen Z Willing to Pay More for a Sustainable Record



- 18-24 year olds listen at least once a week to vinyl, CD and cassettes at a higher rate (59%)
- 25-34, 35-44, 45-54 & 55-65
 (all between 40-45%)

—April 2024 survey by UK vinyl packaging firm Key Production

Thermal Beets Records Use Less Energy



to Manufacture,
Production is far
more efficient

- Plant-based material consumes 30% less energy if a factory switches entirely to this product
- Requires less heat than PVC, melts more quickly
- Cycle times 50% lower to press a record with Evovinyl compared with PVC

Vintage
press at
Rainbo
Records,
Santa
Monica,
California



Making our operation even more sustainable, **Thermal Beets Pressing plans** to place Solar Panels on the **EcoBizPark** building roof, such as what they do in Haarlem, Netherlands, at my friends **Record Industry**

A Team Who's Built Factories & Manufactured Eco-Records



Guðmundur Ørn Ísfeld (President/COO): Iceland Native/CEO & Co-Founder of RPM Records, Copenhagen, Denmark. Since March 2018, RPM has furnished 50% of Iceland's records; Gummi's Danish factory takes responsibility for lowering pollution rates while working with sustainable technology.



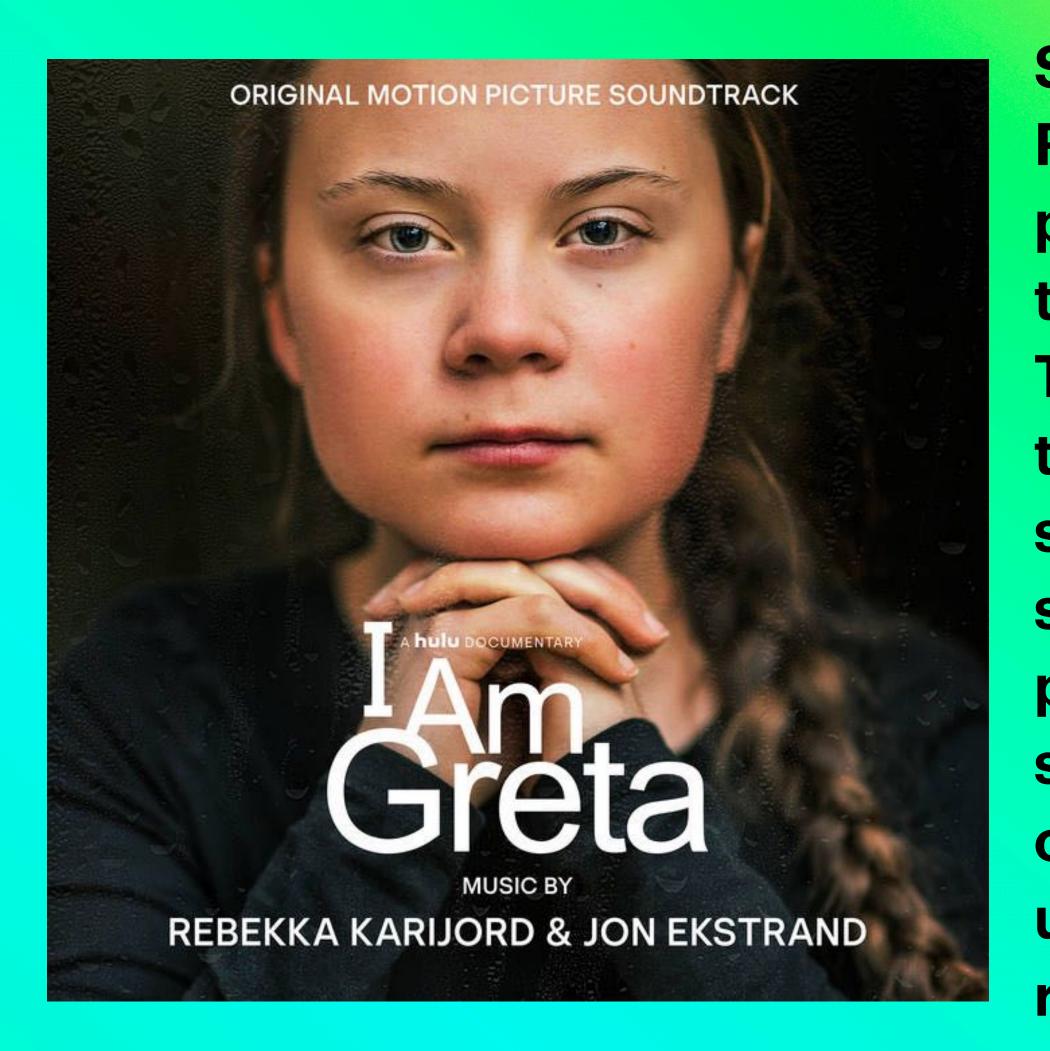
Kevin Da Costa (CTO): Vinyl Manufacturing Consultant, Chief Technology Officer of Evolution Music, developer of Evo-Plastic the world's first 100% plant-based alternative to PVC. Previously installed for VirylTech, press supplier. Kevin has built 24 pressing plants in UK, Europe & US. He's on a personal mission to drive sustainable practices across all parts of the vinyl manufacturing and distribution supply chain; he is also building a similar



factory in Brighton, UK.

Larry Jaffee (CEO): Co-Founder & Conference Director of Making Vinyl, B2B conference (est. 2017), celebrating the rebirth of global record manufacturing. Thought leader on vinyl's resurgence, author of the 2022 book Record Store Day: The Most Improbable Comeback of the 21st Century; college professor and prolific journalist; Larry's passionate about a sustainable future.

Soundtrack Album for Documentary about Climate Change Activist Greta Thunberg, LP Made By RPM



Soundtrack record manufactured in 2021 at RPM Records in Denmark. Every step in the production process was carefully considered in order to achieve the most environmentally friendly product possible. The records were made of 100% recycled PVC, and the covers printed on wood-free 350 grams per square meter (gsm) 100% recycled uncoated card stock using plant-based inks. The records are protected by a 100% recycled 250 gsm paper inner sleeve and the cover is sealed with a sticker printed on recycled material. No plastic or shrinkwrap will be used in the packaging or production apart from the recycled PVC in the vinyl record itself.

So, Is It Possible to Have



*Slight clarification to the <u>video</u>: vinyl records are recyclable and most pressing plants regrind their scrap PVC material.

Please Stay in Touch We Want to Work With You



[Business Plan available in May 2024]

Larry Jaffee, CEO (thermalbeets@gmail.com) +1-917-291-2488 (NYC mobile)

Guðmundur Ørn Ísfeld, COO (<u>isfeld@rpmrecords.dk</u>) +45 71 53 90 82

Kevin Da Costa, CTO (kevin@evolution-music.co.uk) +44 7446 078104

THANK YOU!