R-CYCLE AT K22 PRESENTED BY

adapa

amb Designed to be different

ARBURG
Hall 13: A13 / OA Hall 16: CE04

BRÜCKNER MASCHINENBAU B
A Member of Brückner Group
Hall 3: C90

COMEXI
Hall 4: B31

Dow

EECC European EPC Competence Center

ENGEL be the first
Hall 15: B42 – C58 / OA Hall 16: CE08

erema group
Hall 9: C09 / OA Hall 16: CE03

ExxonMobil
North Entrance: 11

GS1 Germany

INSTITUT FÜR KUNSTSTOFF VERARBEITUNG
Hall 14: C16

ILLIG
Hall 3: A52

IN.PACK MACHINERY Innovation since 1956
Hall 3: B54

kampf Jagenberg Group
Hall 3: A92

KAUTEX MASCHINENBAU
Hall 14: A16 – A18

KOENIG & BAUER
Hall 4: B07

JKU LIT Factory

MULTIVAC

OLBRICH polytype converting OLBRICH Group
Hall 4: A21

proData

Reifenhäuser
Hall 17: C22

SIKOPLAST RECYCLING TECHNOLOGY
Hall 9: A46

STEINERT MAGNETIC + SENSOR SORTING SOLUTIONS
Hall 9: E24

Sumitomo SHI DEMAG
Hall 15: D22 / OA Hall 16: CE13

SYNCRO MEMBER OF SYNCRO GROUP
Hall 10: C40

www.r-cycle.org

in company/r-cycle

Website

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R-Cycle

enabling digital product passports for plastics

COMPLETELY RECYCLABLE

MANUFACTURER
Recycling is the process of converting waste materials into new materials and objects

VISIT US IN THE CIRCULAR ECONOMY FORUM OA16: CE07

Booth

BENEFIT FROM THE DIGITAL PRODUCT PASSPORT

R-Cycle is the open tracing standard for sustainable plastics. By providing digital product passports, R-Cycle enables a genuine circular economy and a highly efficient value chain.
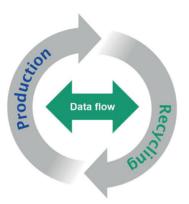

DIGITAL PRODUCT PASSPORT

Use the digital product passport to create valuable applications for your business.

- **Data Reporting:** Collecting and aggregating data enables easy and effortless reporting, recyclability assessment or carbon footprint calculation.
- **Data-Optimized Production:** Increase your productivity by using data to automate and optimize your machine setup - enable Industry 4.0.
- **Proof of Ingredients:** Proof of origin and usage for the ingredients to fulfill upcoming political demands such as plastic taxes and recyclate quotas.
- **Tracing & Serialization:** Trace plastic products or packaging throughout its entire life cycle to control all relevant quality properties.
- **Product Information:** Profit from aggregated data for customer information and interaction to improve the usage of your products.
- **Precise Waste Sorting:** Data for more precise detection and sorting of plastic waste to increase quality of recyclate.

MAKE DATA AVAILABLE ALONG THE LIFECYCLE

1 Data collection in a Digital Product Passport (DPP)

Identifiable and fully Recyclable Packaging

PRODUCE | USE | RECYCLE

Production

Data flow

Recycling

2 Identification in the recycling process

Identifiable and fully Recyclable Packaging

PRODUCE | USE | RECYCLE

JOIN THE R-CYCLE COMMUNITY

We are an association of companies and organizations who promote the global standardization of digital product passports for sustainable plastics – enabled by GS1 standards.

- Get exclusive access to the R-Cycle network and strengthen you business connections.
- Exchange with companies from other areas of the plastic value chain.
- Obtain valuable know-how on how to apply R-Cycle.
- Find and apply your specific use cases of the digital product passport.
- Involve your customers and suppliers to jointly benefit from your application.
- Get involved in advancing R-Cycle and contribute your own demands to upcoming developments.
- Sustainability meets digitalization: profit from the promotion of both core topics and show your customers that you use the digital product passport for your products.

The R-Cycle Community is open to all companies, organizations or individuals, who have a legitimate interest in the field of circular economy for the plastic packaging value chain.

Read more about the R-Cycle Community

www.r-cycle.org/en/community