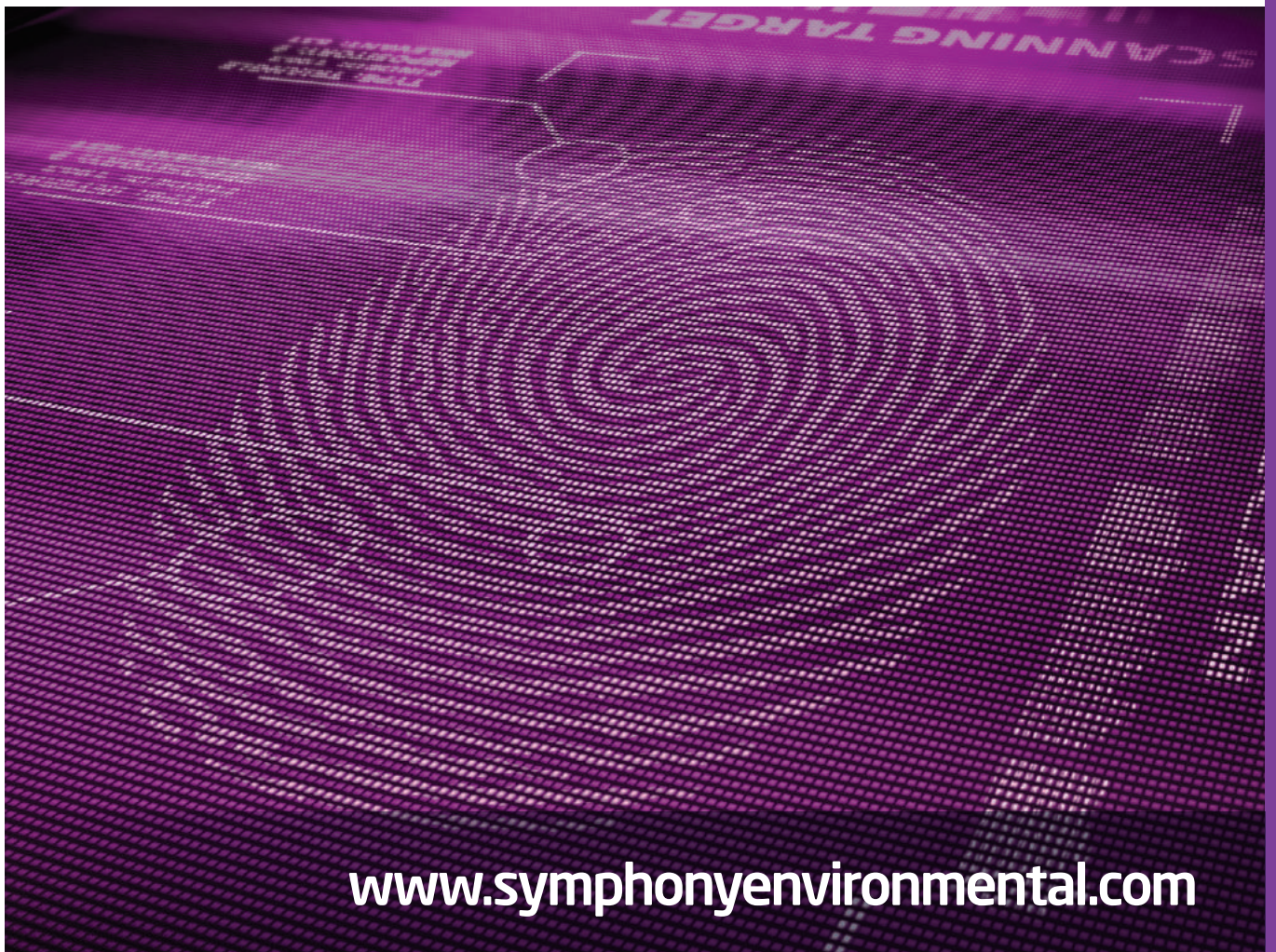


d₂t tag & trace technology



anti-counterfeiting systems

Providing a unique trace
and a highly sophisticated
forensic tagging system



www.symphonyenvironmental.com

d₂t tag & trace technology



Tag and trace technologies give our customers the ability to accurately determine the authenticity of their plastic packaging and products, which gives them and their clients peace of mind, and helps them to detect fraud.

d₂trace

d₂trace is a masterbatch tracer technology which provides plastic with a unique traceable property.

Added at a rate of only 1%, d₂trace is compatible with the vast majority of plastics.

How does d₂trace work:

- The tracer is added at the manufacturing stage
- No change is required to your manufacturing process
- The tracer is invisible, but can be read using the portable d₂Detector equipment



The information provided is general information. For specific applications please consult Symphony's Technical Department.

d₂tag

d₂tag provides a highly sophisticated security solution using a microtag smaller than a grain of salt with over 1 billion unique codes for authentication and brand protection.



The cost of counterfeit medicines alone is estimated to be \$75bn and approximately 15% of all medicines sold world wide are counterfeit. This is dangerous as well as fraudulent.*

*World Health Organisation

How does d₂tag work:

- Made of clear, high-purity silica
- d₂tag carries product intelligence such as batch number, manufacturing date, plant location and authorised country of sale
- Data can be read by a portable reader
- Tags are edible and biologically inert
- Silica is "Generally Recognized As Safe" (GRAS) by the FDA
- Can be applied via inks, dyes, paints, extrusion
- On-the-spot/field authentication
- Tags can be applied to almost all high-value items made from almost anything