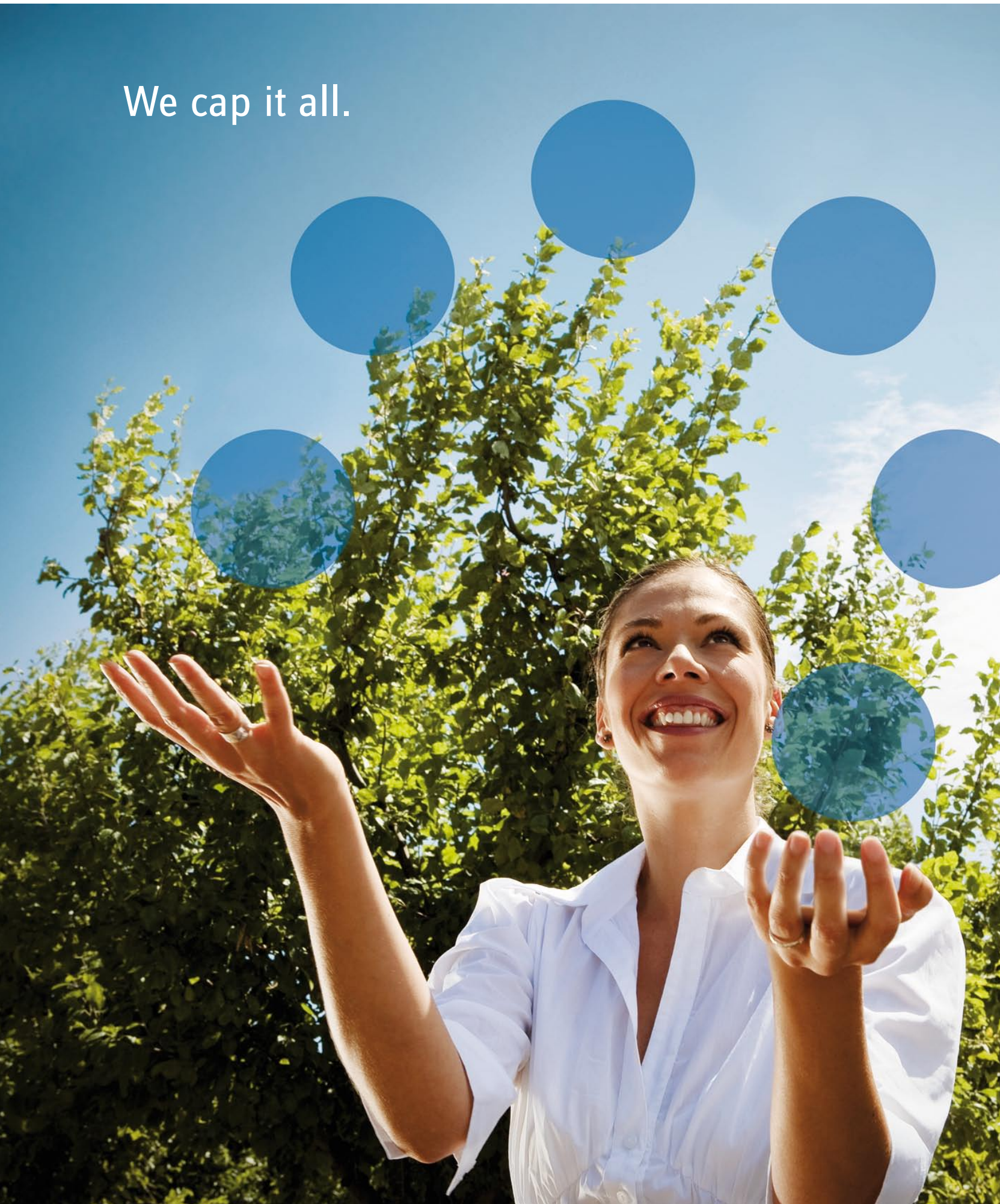




We cap it all.



# The first lug cap without PVC and plasticisers: BLUESEAL®.



## **A plus for consumers, a must for food.**

The European Union, consumer organisations and retailers have been demanding PVC-free material in contact with food for years. Pano is the first company worldwide to provide lug caps with a PVC-free sealing ring: BLUESEAL®.

The advantages of BLUESEAL®:

- no plasticiser
- migration close to zero
- no adverse effect to food
- no health hazards
- high level of safety and reliability
- resource-saving manufacture

# Change to BLUESEAL®.

## There's no reason why not. And lots of reasons why you should.



The raw material of BLUESEAL® seals is made from thermoplastic polyolefin (TPE) which already has an internal plasticisation and, therefore, does not require any additional plasticiser.



### A forward-looking development now becomes first choice.

Development of BLUESEAL® began in collaboration with Actega DS and Feinkost Dittmann (Reichold) in 2007. First deliveries of PVC-free closures started in the spring of 2010, the series went into production in the first quarter of 2011. It has proved to be extremely successful since then - in both the processing industry as well as the retail trade. Even the most stringent migration specifications are met, conforming to EU regulations and US FDA regulations. These are confirmed through independent assessments and migration studies.

BLUESEAL® is ready for use:

- for canned goods and preserves
- for all types of food filling
- with all Pano DVV capping machines
- with all known TO machines from different manufacturers

# We can assist you - from the first inquiry through to running production.



## **Innovation, technology, service - for partnerships with perspectives.**

Pano is a developer, manufacturer and service provider rolled into one. A pioneer with around 90 years of history and an unbroken innovative spirit, a manufacturer with the highest standards of quality and a reliable, service-oriented partner. Together with the customer, questions become answers and problems turn into solutions which will prove to have a successful and future-proof market presence.

Our service for you:

- advice on all aspects of preserving
- adjustment of closure specification for product requirements
- production planning, control and execution
- realisation of production lines
- development of product designs including closure, glass and label
- on-time delivery



Pano Verschluss GmbH  
Gasstr. 29  
25524 Itzehoe

Tel. +49 48 21-7706-0  
Fax +49 48 21-7706-99  
[info@pano.de](mailto:info@pano.de)  
[www.pano.de](http://www.pano.de)