

TETHERED CAPS AN OPPORTUNITY FOR COMPRESSION MOLDING?

Presentation by

IACOPO BIANCONCINI Marketing and Business Development Manager







1919

80 Companies

385 Working Shareholders

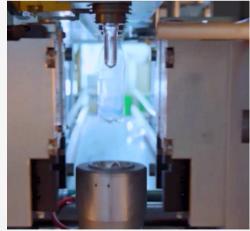
Ethical Code

30 Countries

TEH LAB - OUR CORE

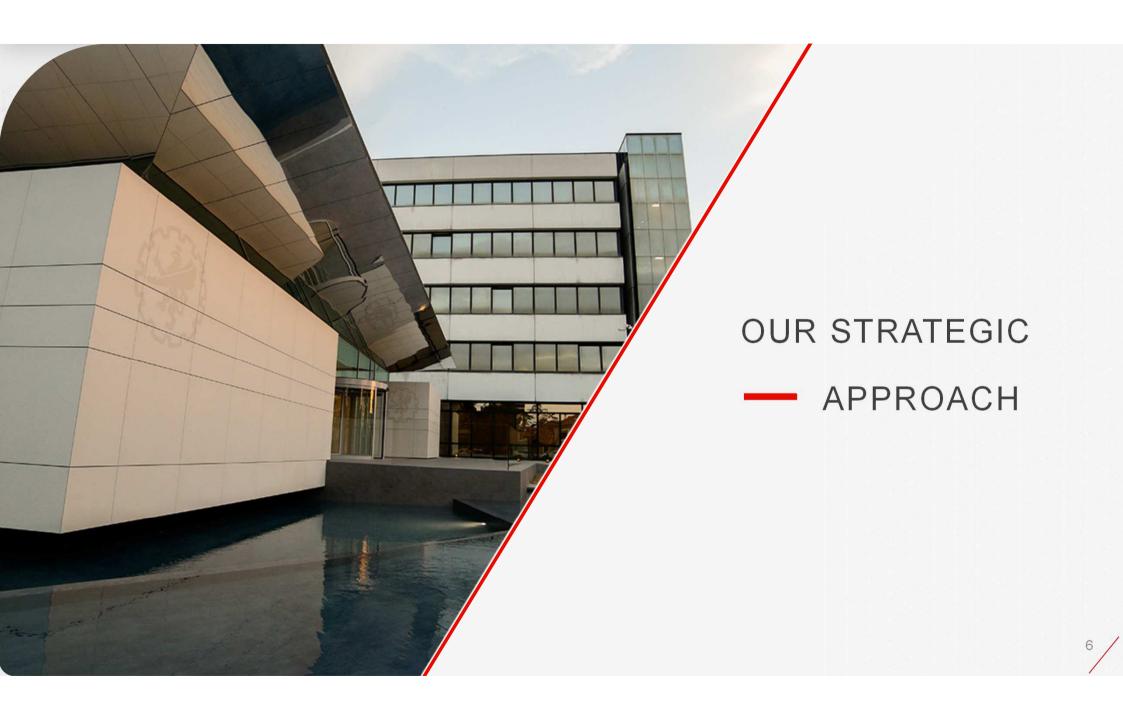












OUR STRATEGIC APPROACH

SACMI will be able to support its partners on every possible outcome of this changing period, having set developments and activities as follows:

ONE WAY PACKAGE

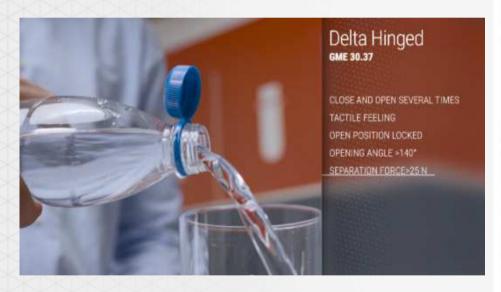
- NEW SLITTING PATTERNS
- NEW CAP DESIGNS

RETURNABLE BOTTLES





SLITTING PATTERNS





DELTA

Tactile feeling
Open position locked
A good drinking experience
Separation force >25N
It works only on certain neck finishes
Life cycle> 15 opening & closing



DELTA HINGED

Tactile feeling
Open position locked
A good drinking experience
Separation force >25N
Life cycle> 15 opening & closing



DELTA HINGED GME 30.37

Tactile feeling
Open position locked
A good drinking experience
Separation force >25n
It works only on certain neck finishes
Life cycle> 15 opening & closing



DELTA UPSIDE DOWN

Opening angle at user convenience A good drinking experience Separation force >25N Life cycle> 15 opening & closing



SNAP ON SC26W

Tactile feeling
Open position click & locked
A good drinking experience
Separation force <30N
Life cycle> 15 opening & closing



SINGLE

Open position twist & locked A good drinking experience Separation force ≤ 30 N Life cycle> 15 opening & closing



THIS CAP®

Open position locked A good drinking experience Separation force >25 N Life cycle> 15 opening & closing



THIS CAP*

Open position twist & locked A good drinking experience Separation force >25 N Life cycle> 15 opening & closing



SLITTING PATTERNS

PRO

- Very limited investment for cap manufacturer (only slitting tools, mold modification might be required)
- No investment for bottlers
- No impact on cap performance and no need to validate again package performance
- Quick to implement



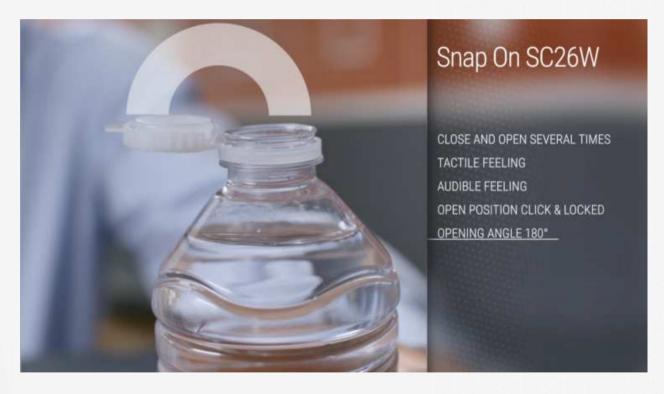


NEW CAP DESIGNS

compression molded SNAP ON cap









NEW CAP DESIGNS

compression molded SNAP ON cap

PRO&CONS

- Consumer acceptance
- Positive user experience?
- · Convenience, one hand reclosing



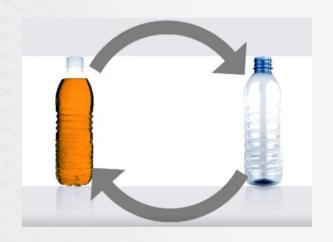


- High investment for cap manufacturers (new mold)
- High investment for preform manufacturers (new mold)
- High investment for bottlers (new blowing mold, new/modified capping machine, change over in the filling lines)
- Need to validate again package performance
- So far solutions avavailable for still water only
- Leakers during handling or in the bag of consumers?



EU STRATEGIC APPROACH

FROM ONE-WAY TO RETURNABLE PACKAGE?







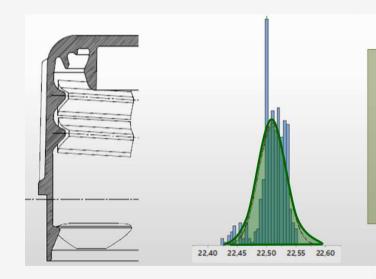
WEIGHT CONSISTENCY







DIMENSION CONSISTENCY



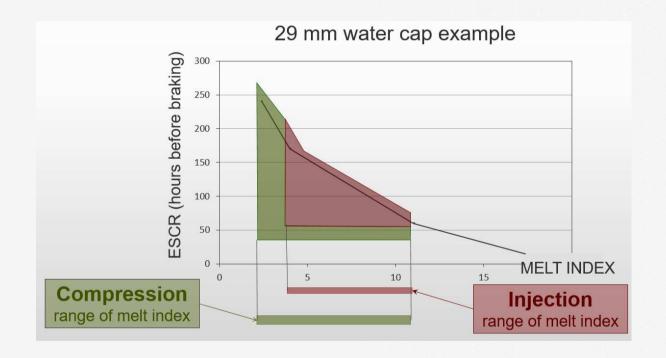
PLUG DIMENSION

432 caps sampling in 2 hours production

Sample mean = 22,5 mm **St. Dev. = 0,02 mm**

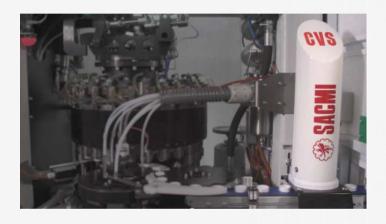


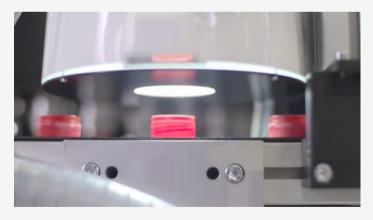
WIDE RANGE OF RAW MATERIAL ALLOWED





PROCESS ALWAYS UNDER CONTROL









TECHNOLOGY SLITTING AND PROCESS CONTROL SOLUTIONS - SFM









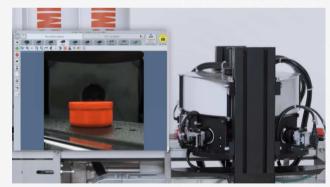


TECHNOLOGY SLITTING AND PROCESS CONTROL SOLUTIONS - CVS





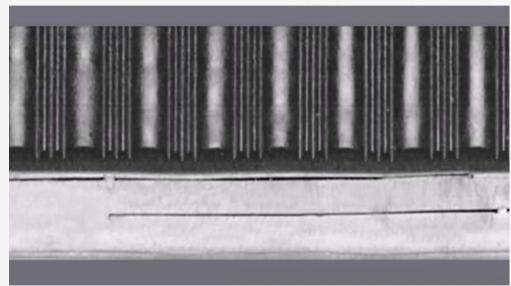






TECHNOLOGY SLITTING AND PROCESS CONTROL SOLUTIONS - PFM









THANK YOU FOR YOUR KIND ATTENTION

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