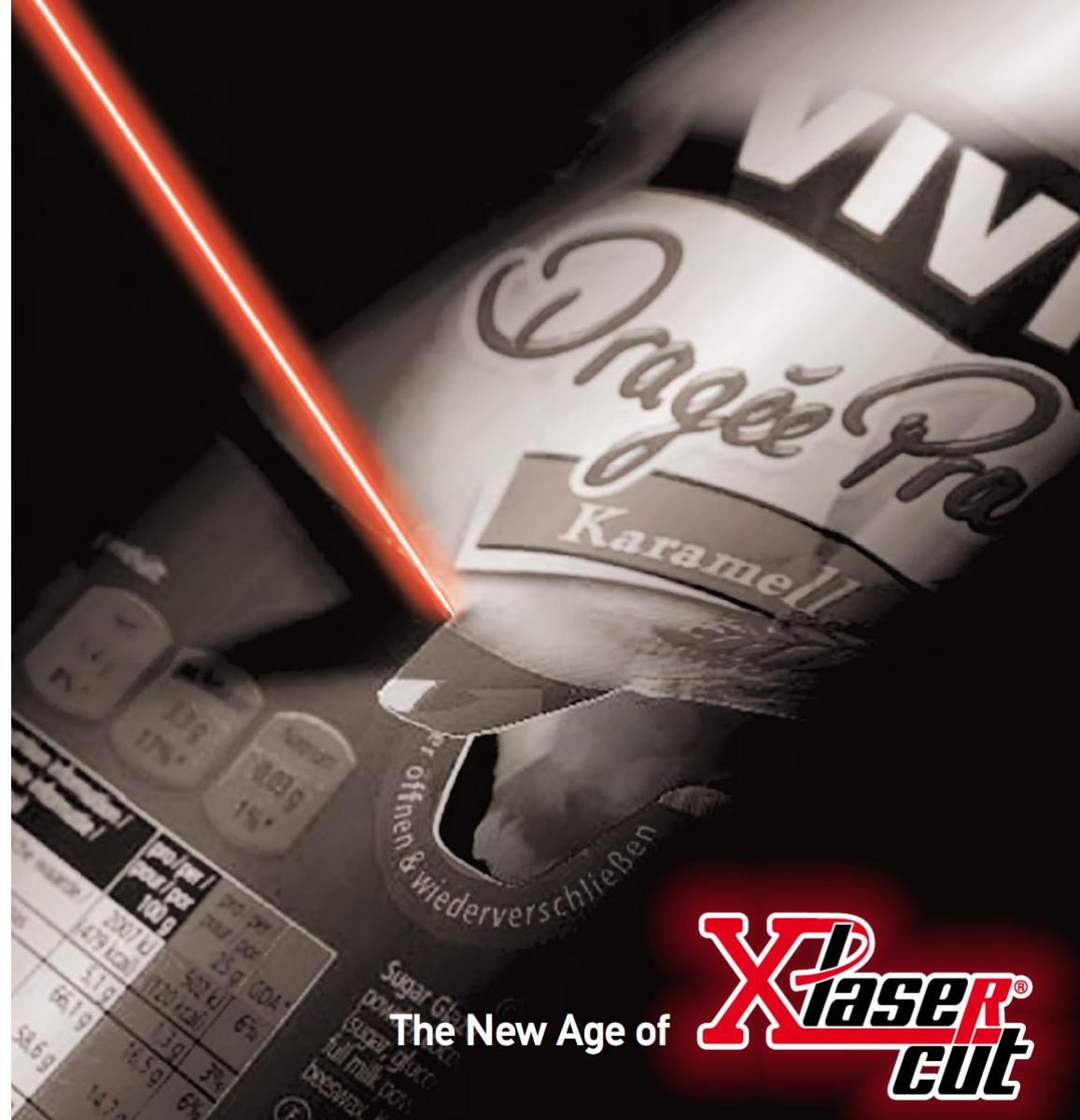




hatzopoulos

FLEXIBLE PACKAGING EXCELLENCE
SINCE 1931

Laser-scoring technology



The New Age of

**X² Laser[®]
cut**

Packaging with laser-processed easy opening can be easily opened without tools

easier

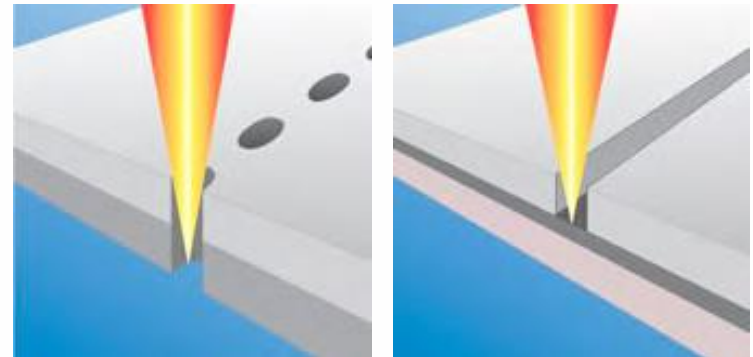
Easy Tear packaging with Laser Technology.
Maximum convenience is now an option!

**XLaser
cut**

We offer solutions even for the widest stickpack and pouches packaging machines

- 1300mm max width
- Suitable for laminates of various structures

e.g. PET/ALU/PE, PET/PE, PETmet/PE, PP/PPmet, PP/PE among others



Web-Shaped

For scribing geometries in web direction, lasers equipped with fixed optics and beam splitters are the ideal systems.

Each laser beam scribes a path onto the web material via a focusing optics which may be continuous or not



About 80 % of all packs require cross web set-up due to the further production process, which means the easy opening scribing applications are applied in cross-web direction.



Registration marks synchronize scribing patterns with the printing. This is performed with lasers equipped with fast scanner heads which can apply a variety of scribing patterns, even at high speeds, with the so-called on-the-fly method.

Modern and advanced forms of packaging require curves and patterns that are not geometric

- This feature provides for maximum appeal to consumers
- The Free-form scribing can take place in any given pattern with almost no limitations



Flexible packaging as the most environmental-friendly packaging solution increases market share to that of rigid and semi-rigid packaging, especially in the field of beverages.

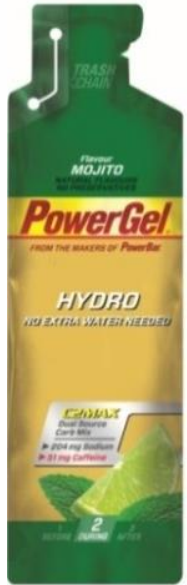
In this market there is a need for special easy tear area, which will be used for the placement of the straw.



The **Straw laser-cut** is the perfect solution for this application, accurately scribing perfect straw patterns in any place of the packaging material.

Selected references

'Worldstar Award 2018' by World Packaging Organization | Power Gel Stick with triple laser scoring



**WORLDSTAR
WINNER 2018**

CEDEVITA
Supplements



HEAT & EAT CHIPS

Double laser scoring on the 2 pack sides



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Thank you!

