



## Laser marking on plastic cup in the food industry



**CHÄS-VRENELI AG**  
FRISCHE NACH MASS



### KEY FACTS

**CLIENT**  
CHÄS VRENELI  
[www.chaes-vreneli.ch](http://www.chaes-vreneli.ch)

**COUNTRY**  
Switzerland

**INDUSTRIES**  
Food / Dairy products

**PACKAGING MATERIAL**  
Plastic cup made of poly styrene (PS)

**LASER UNIT INSTALLED**  
1 ICON2

**TIME FOR PRINTING**  
0.3 sec.

**STATIC APPLICATION**  
Up to 4 lines of text approx. 10  
characters 30 – 40 units / Min.

**REMARKS**  
Interesting application to replace old  
style of flexo printing application (see  
picture), especially used in cup filling  
machines for different dairy products.

This application required replacing the stamping system to mark on plastic cup in a filling machine (butter-worth) with variable consumer information with a system which is clean, easy and fast to handle in the production.

- Marking area approx. 40 mm x 35 mm
- Speed up to 30 steps a minute
- 2 or 4 lines of text, easy handling

After a demo the customer was changing the preprinted layout of the cover in the way to have a green background for the laser marking.

The difficulties were that with the standard font we got wholes in certain characters like the "8" and others. Without a vacuum system we have a lot of dust coming from the green printed back surface going into to the plexi-glass protection, "damaging" the lens. The iCON2 unit is perfectly made for being integrated into packaging machines. Electronic ready – end of marking signals are missing.

The result is a big improvement of the product marking, the customer is very happy for this clean (ink less), affordable and professional looking marking result.

