

SUCCESS STORY
***GEBAPLAST BV,
THE NETHERLANDS***
SUSTAINABLE COFFEE ENJOYMENT

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Pioneering Plastics



COFFEE GROUNDS INSTEAD OF NEW POLYMERS STYLISH COASTERS MADE OF BIOPOLYMERS

OVERVIEW

CUSTOMER: Gebaplast BV

COUNTRY OR REGION: The Netherlands

INDUSTRY: TEC/Consumer Goods

APPLICATION: COFFEE COASTER

- Cavities: 4
- Shot weight: 100 g
- Materials: Bio PE

MACHINE DETAILS:

CX 130-750

- Clamping force: 1300 kN
- Screw diameter: 45 mm

CUSTOMER PROFILE:

Gebaplast is a small family-run injection molding company providing innovative products for the consumer goods, transport and logistics industries.

www.gebaplast.nl

REQUIREMENTS:

- Stable and secure processing of the bio-PE
- Short cycle times
- Reliable and at same time user-friendly technology
- Easy start-up
- Compact installation areas of the machine

INDIVIDUAL SOLUTION:

- APCplus for easy start-up and stable processes
- User-friendly MC6 control system

BENEFITS:

- Sustainable material and process
- 100 percent recyclable
- Highest efficiency in the smallest footprint
- Good energy efficiency

Reusing something good really makes sense—that is also how they see it at Gebaplast BV in Oud-Beijerland, The Netherlands. The family-owned company produces coffee-cup coasters made of biopolymers based on ground coffee using a CX 130-750 injection molding machine.

The biopolymer is a so-called bio-PE. The percentage of used coffee bean grounds is 25 percent. A nice side effect is that the coffee aroma is not lost, so the coasters still smell like coffee. The coasters are designed for a long service life and are dishwasher-safe. But if a product ever needs to be disposed of, they are 100 percent recyclable.

The greatest challenge when processing this biopolymer, of course, lies in the coffee component, that is, in making sure the material stays dry and does not degrade. The material varies in viscosity, which is not easy to manage, and so the injection molding process and the injection molding pressure have to be brought under control, and all of that while maintaining low temperature margins.

The CX 130-750 is equipped with the intelligent energy management. In these days of rising energy prices this is extremely beneficial.

“With its cantilevered, compact clamping unit, the powerful injection unit and the compact installation area, the CX 130 is ideal for our requirements of maximum efficiency in the smallest floor space.”

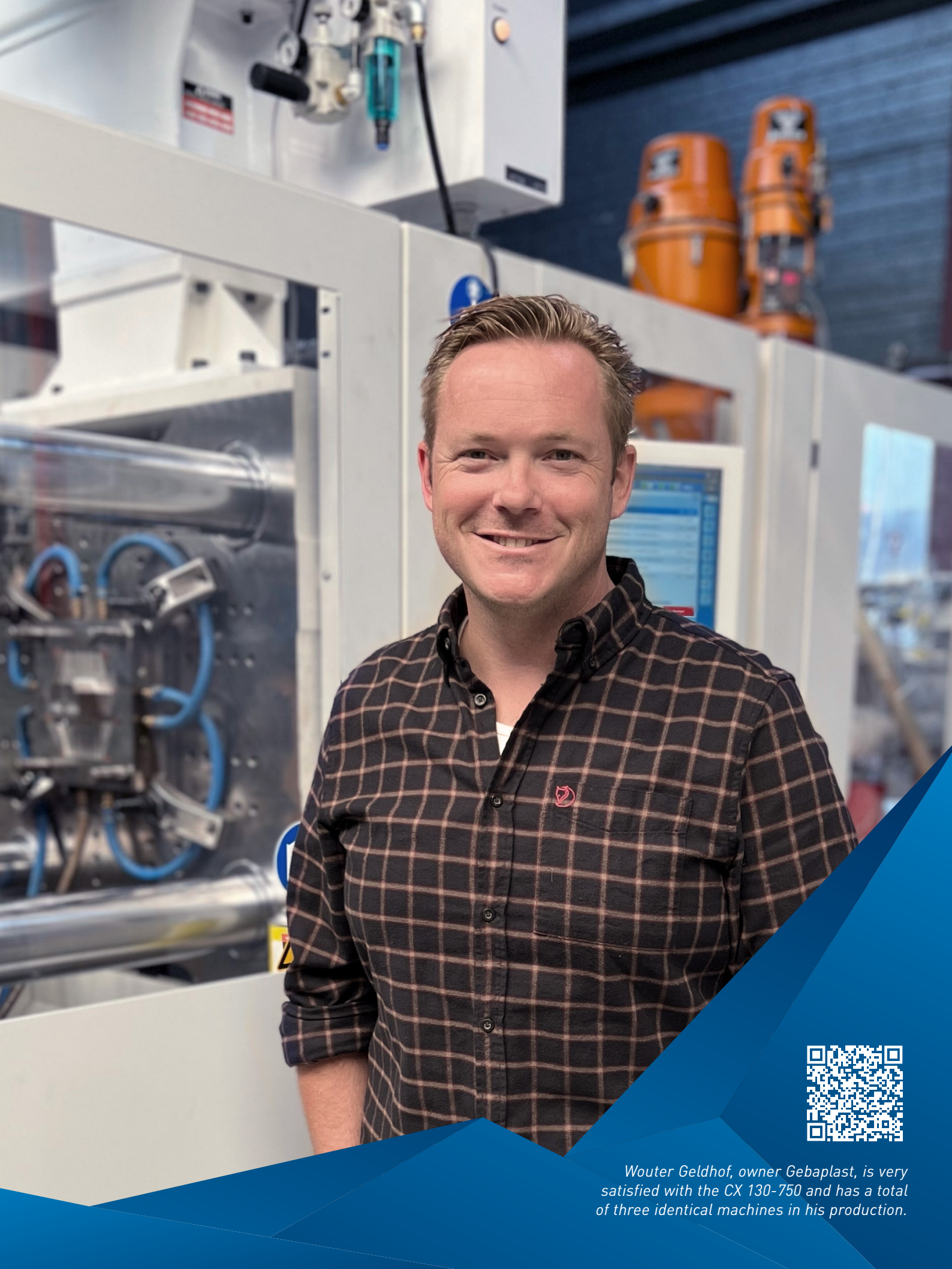
(Wouter Geldhof, Owner Gebaplast BV)



*Sustainable coffee joy:
The coffee coasters made of Bio PE*



*Compact and efficient:
The hydraulic CX series*



Wouter Geldhof, owner Gebaplast, is very satisfied with the CX 130-750 and has a total of three identical machines in his production.