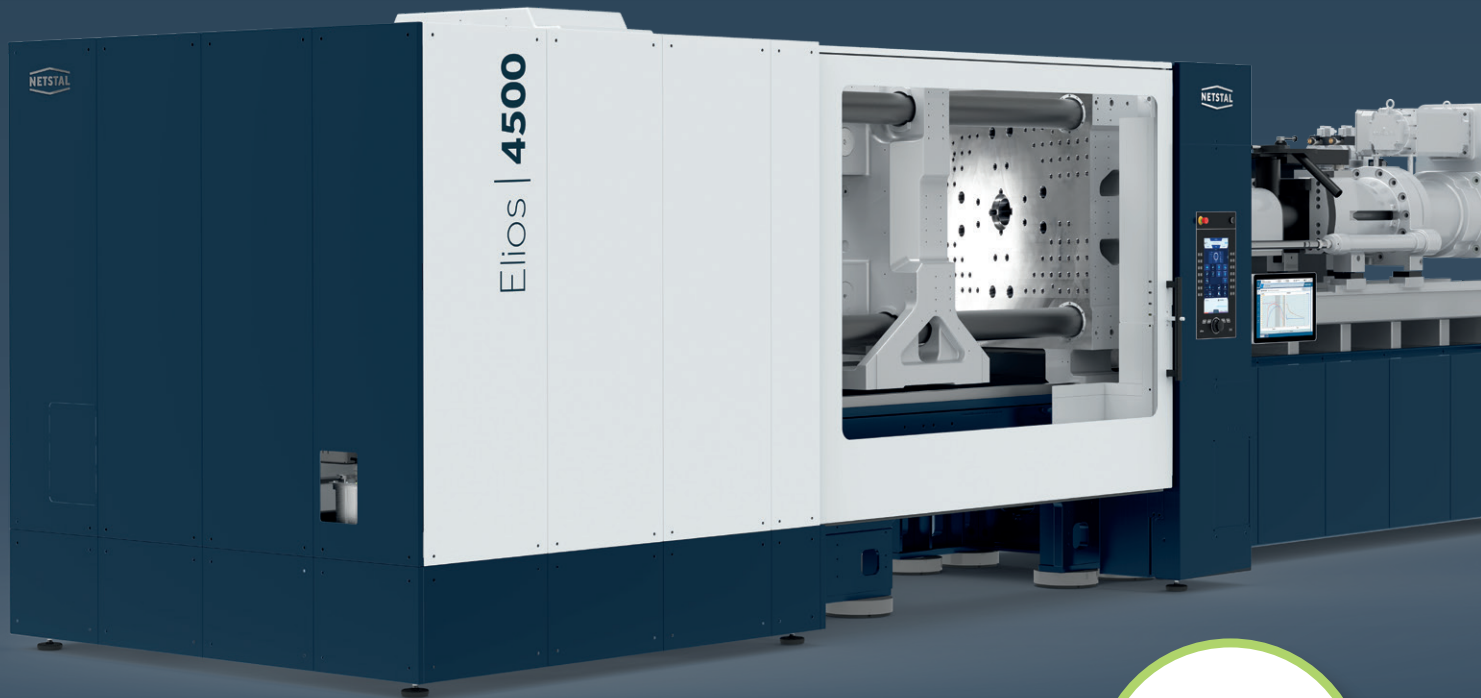




# Highly-Efficient Solutions for the Manufacture of Thin-Walled Packaging



Packaging

Your best choice

[Netstal.com](https://www.netstal.com)

# Achieve More with Less

Thin-walled packaging such as containers, drinking cups and lids with and without In-Mold-Labeling (IML) pose numerous challenges in production: Growing demand increases the requirements on your production lines with the shortest possible cycle times and greater availability as opposed to the more intensive load on the machines. Added to this is a higher demand for material and energy, which leads to rising operating costs. That's why we bring together our globally recognized experience, routine application expertise and state-of-the-art technologies in intelligent solutions for you.



## Use less material

Our machines let you process recycling-friendly PET just as easily as conventional materials, recyclates and bioplastics. Thanks to Injection Compression Molding (ICM), you save up to 30% of material. But with the enormous Netstal injection dynamics, you can also achieve flow path/wall thickness ratios of 350:1 and more using conventional injection molding for the lightest possible packaging.



## Use energy more sustainably

Our Elios and Elion series are leading with class 8 and 9 in the Euromap ranking of energy efficiency. Features such as kinetic energy recuperation and adaptive system pressure reduction enable particularly low power consumption with high performance. Less electricity means lower unit costs for you. Depending on the electricity mix, you also make a significant contribution to climate protection in your region. In some countries this is also subsidized by the state.



## Protect foodstuffs sustainably

Packaging has an important protective function for the foodstuff it contains and extends its shelf life. Our co-injection technology can be used to integrate a barrier layer without food contact for certain foodstuffs. You can also incorporate recyclates in the middle layer. This enables you to offer the end consumer maximum safety in consumption.



## Safe and convenient to operate

The new Axos controller and the integrated Smart Operation operating concept allow your employees to control our machines quickly, safely and effectively. This reduces downtimes due to incorrect entries.



## Secure investment in the long term

Investments in new production lines are substantial. That's why we have always designed our machines for reliable continuous operation at maximum capacity. We design our clamping units like this for several million cycles per year. Our machines work with consistently high precision and harmonious movements that are as gentle on the mold as possible. The value of your plant investment is maintained for many years.

Our Elios and Elion series machines allow you to process recycling-friendly PET just as easily as conventional materials, recyclates and bioplastics.



Smart system solutions for complex thin-walled and IML applications



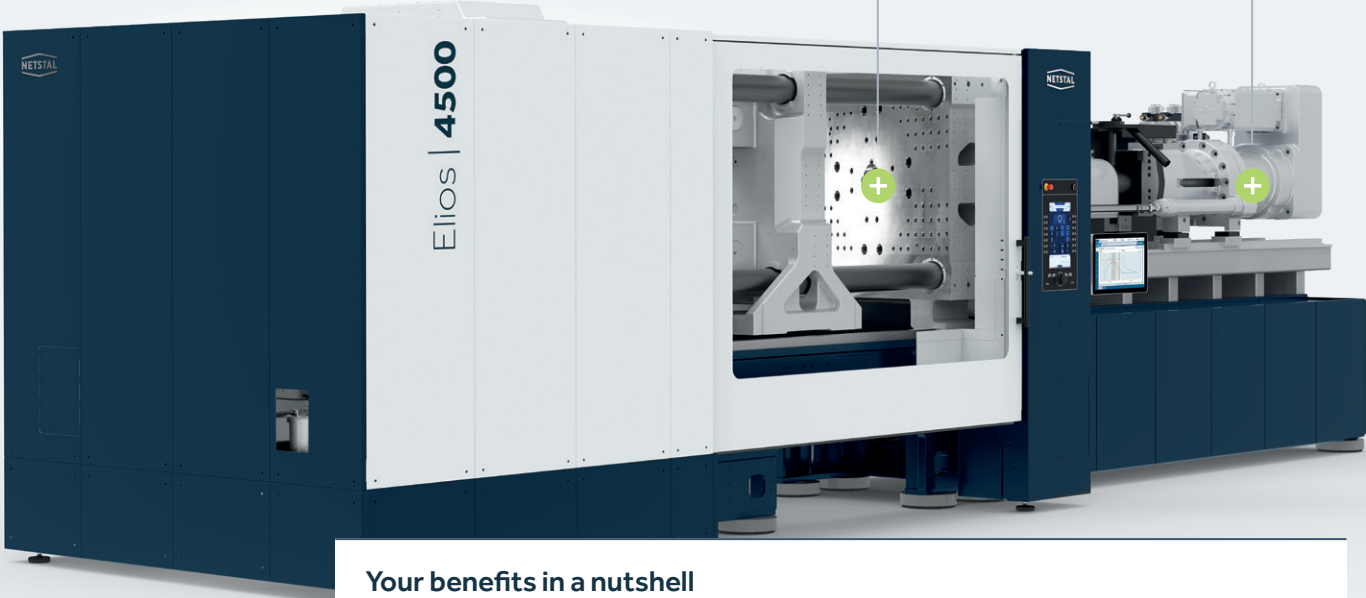
More than 30% material savings through the use of ICM technology (Injection Compression Molding)



Robust design for several million cycles annually and many years of reliable continuous operation



The hybrid injection units provide the extra performance that is needed



**Your benefits in a nutshell**

- Low unit costs due to shortened cycle times
- Maximum efficiency thanks to maximum precision and optimized use of resources
- Less material consumption thanks to thinner walls and fewer rejects
- Enhanced ease of operation thanks to smart machine control
- Greater sustainability through less CO<sub>2</sub> emissions and high energy efficiency
- Investment security thanks to robustness and high-performance technologies

## Maintain values, create value

We are your partner for complete system solutions for the efficient manufacture of thin-walled packaging. We work with you to ensure that we can develop the best solution – in technological, economic and ecological terms – for your application. Benefit from our many years of expertise and experience.

- Fastest cycle times for lowest unit costs
- Perfect precision for optimum efficiency
- Ultimate availability for maximum productivity
- Easy processing of recyclates and biomaterials
- Resource-conserving processes with thinner wall thicknesses and low reject rate
- Reduced CO<sub>2</sub> equivalents due to the highest energy efficiency on the market

Your best choice

[Netstal.com](https://www.netstal.com)