

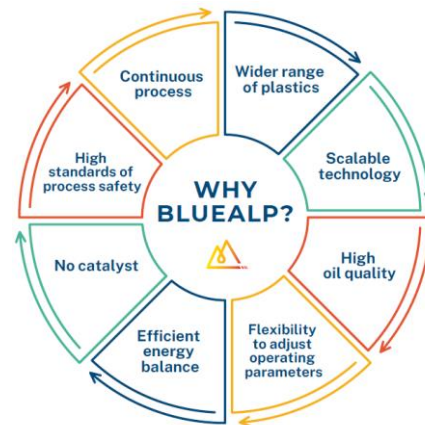
Accelerating Plastic Recycling

Over 40 million tonnes of plastic waste is incinerated or landfilled every year. There is a clear and dire need for accelerating plastic recycling. The targets are significant, and we need to move fast. But more importantly, we need to move fast together. It is imperative that we develop an ecosystem, improve the chemical recycling technology to drive down costs and ensure regulatory support. And we believe that together we can make plastics truly circular.

BlueAlp's pyrolysis technology aims at revolutionizing the production of plastic through chemical recycling. The process heats and cracks the plastic feedstock in a continuous, safe, oxygen-free heating process. The resulting raw material – a high quality oil – can be used to make new plastics and chemicals we require without extracting yet more virgin fossil fuels.

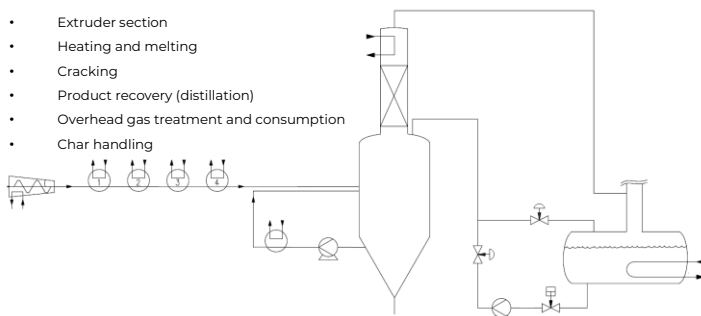
At BlueAlp, we believe that chemical recycling should work alongside with existing methods, and has the potential to boost recycling rates and overcome the challenges associated with hard-to-recycle plastic waste and overuse of fossil fuels.

Why BlueAlp? Because BlueAlp is one of the few players in this industry with a running commercial unit that can process a waste input of 21kt of plastic and moreover has a continuous and scalable technology. Our technology team is working on bigger and better versions, with an aim to increase intake to 61kt waste per year.



BlueAlp Technology Diagram:

- Extruder section
- Heating and melting
- Cracking
- Product recovery (distillation)
- Overhead gas treatment and consumption
- Char handling



BlueAlp Technology Installation:

