

## Making Real Things That Really Make A Difference

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### A Series Systems

**Customer: Axion Polymers – Manchester, UK**

Axion Polymers is one of the most advanced plastics recycling facility in Europe. The company separates, purifies and compounds post-consumer and post-industrial mixed plastics feedstocks. Axion manufactures high quality, 100% recycled polymers under the respected 'Axpoly' brand-name. Their multi-million pound investment in a re-processing plant includes state-of-the-art sorting equipment, compounding machinery and extensive laboratory testing techniques.



Axion uses Tuthill A100 and A20 FSR vacuum pump units within a vacuum extruder application as shown in the photo to the right.

The plastic pellets that are produced in this process are then used in the manufacture of items such as PVC window frames, doors and many other plastic based items.

Axion's process removes contaminants from waste plastic and carries out an advanced, unique sorting and separation processes to refine the feedstock. High purity, single polymer chips are then extruded into resin pellets in accordance with ISO9001 quality standards. Successfully recovered and reprocessed, their polymers can be used in a wide range of applications, helping customers to protect the environment and lower their carbon impact.

Axion makes sure that polymers are fully traceable from the end-user polymer grade right back to the origin of the waste feedstock. Knowing the source of the raw materials adds value for customers when specifying Axpoly in closed-loop applications. For example, when making washing machine parts why not use plastic recovered from old fridges?

