The first systems have already been realised with well-known aluminium profile manufacturers.

greiner
EXTRUSION

WORLD FIRST: ALUMINIUM PROFILE WITH GASKET

In just one step!

Greiner Extrusion sets standards. Thanks to the innovative PCE technology, as of now direct gasket extrusion on an aluminium profile is also possible. Without material loss or manual intervention, Greiner customers thus ensure greater sustainability, better product and energy efficiency and additionally save considerable costs.

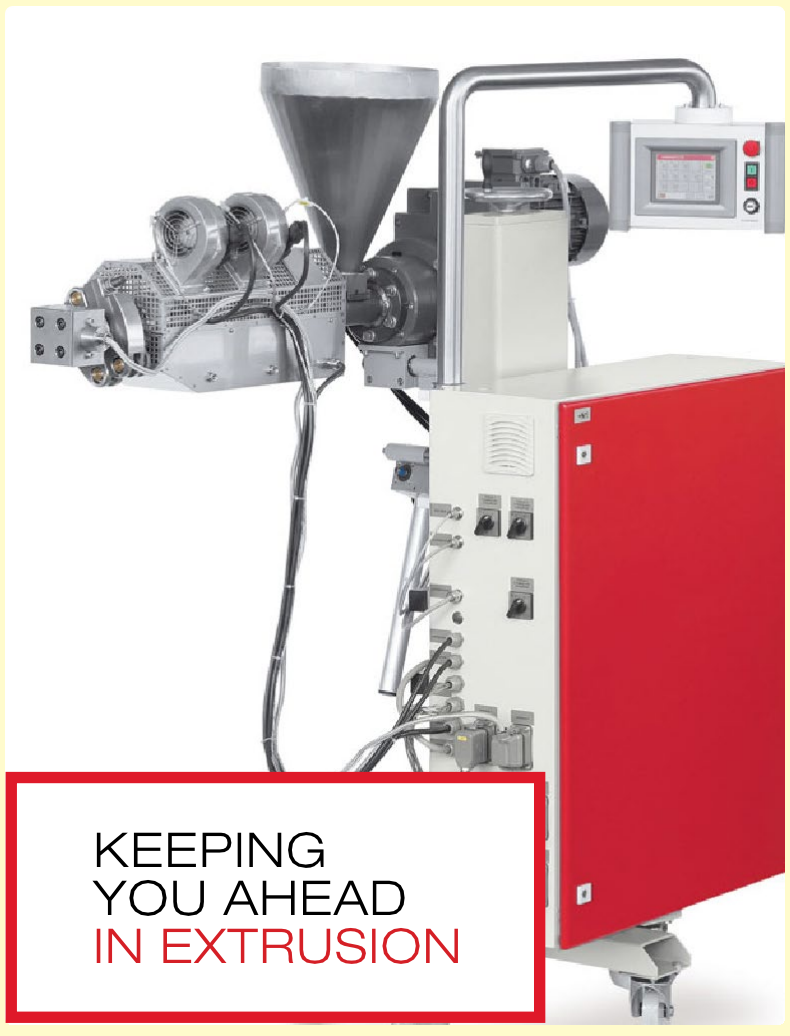
Greiner Extrusion's patented PCE technology is already used as standard by many window profile manufacturers. The so-called post co-extrusion process enables the window profiles to be equipped with gaskets inline.

The opportunity for aluminium profiles

Since the aluminium industry has repeatedly had to deal with problems with gaskets and their handling, the technology has been further developed. Gasket extrusion can now also be successfully used for aluminium profiles.
TPE plastic granulate is used to form an individual gasket geometry, which can also be produced in different colours. Thus, the gaskets are formed by machine in the PCE die and inserted directly into or onto the profile. The extrusion process takes place after the profiles have been powder-coated, painted or anodised and delivers a production output of up to 15 metres per minute. A few simple operations also allow the application of several gaskets and protective films in a single step. Thanks to the simple and intuitive operation of the system, employees can quickly start production with little training.

Advantages of gasket extrusion

The longevity of the co-extruders as well as several million metres of running performance of the extrusion dies guarantee low running costs for the customers. With this innovative technology, there is no waste of the ready-to-sell aluminium profiles, as the sealants can be removed without leaving any residue and the profiles can be reloaded during feeding. This enables the efficient and sustainable recycling of unmixed materials and increases the company's own added value. In addition, the price is considerably lower than buying external gaskets. With a wide variety of designs and the possibility of hollow chambers, there are almost no limits to design creativity.



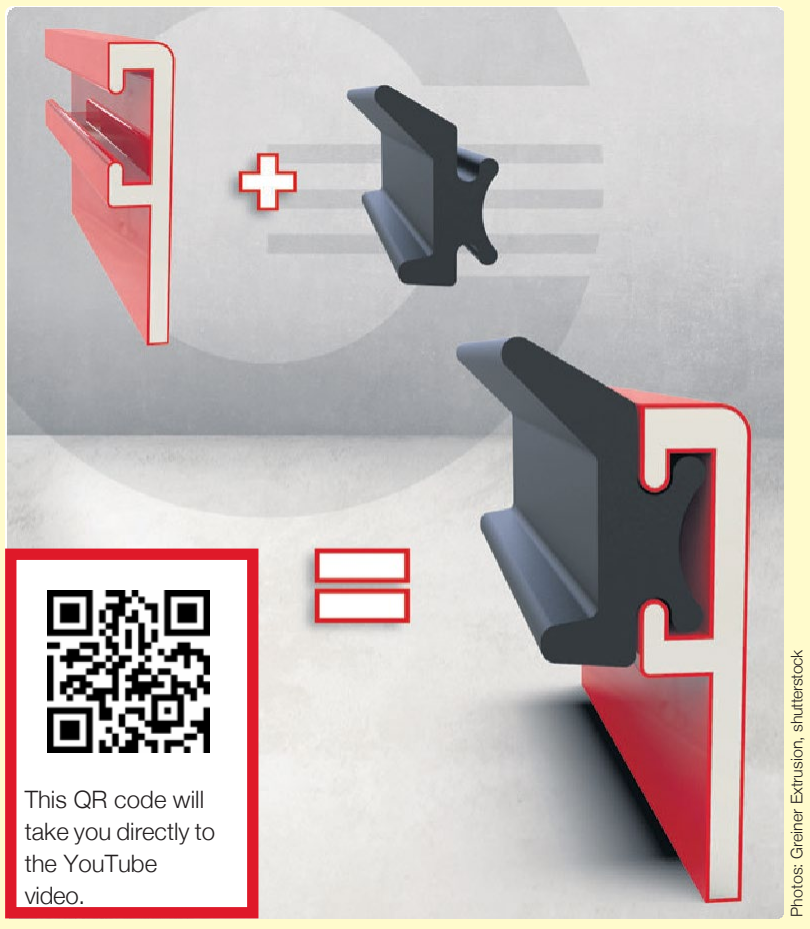
KEEPING
YOU AHEAD
IN EXTRUSION

The three expansion stages in successful cooperation

The first systems have already been realised with well-known aluminium profile manufacturers and were successfully handed over. The end customers thus achieved high savings and were extremely satisfied with the new profiles. Another positive aspect is the decrease in complaints. Gasket extrusion for aluminium profiles is available in three expansion stages:

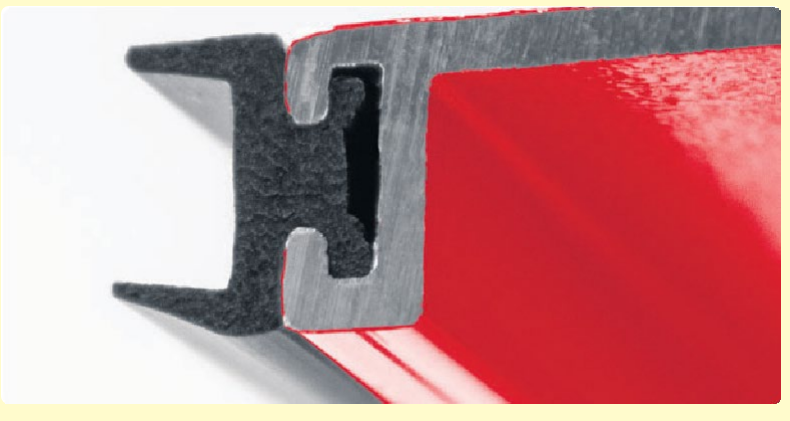
1. **Manual**: manual feeding, gasket extrusion, manual separation and removal
2. **Semi-automatic**: manual feeding, gasket extrusion, automatic separation and manual removal
3. **Automatic**: manual feeding of the buffer, automatic feeding, gasket extrusion, automatic cutting and depositing in a buffer, manual removal

For more information, please contact our sales team:
https://www.greinerextrusion.com/en/contact
sales@greinerextrusion.com



This QR code will take you directly to the YouTube video.

Photos: Greiner Extrusion, shutterstock



Gasket extrusion can now also be used successfully for aluminium profiles. The gaskets are formed by machine in the PCE die and inserted directly into or onto the profile. An individual seal geometry is formed using TPE plastic granulate.