Application: profile

Complete lines for the extrusion of technical profiles and window profiles
Complete profile extrusion lines from a single source

battenfeld-cincinnati stands for state-of-the-art machine manufacturing and innovative technologies. We plan, design and install profile extrusion lines with perfectly matched components that feature high output, energy-efficient production and excellent end product quality.

You can find more information on our offers for profile extrusion in the profile downstream brochure and our extruder brochures.

Overview of a standard profile extrusion line

Plastics processing

In window profile extrusion, mainly PVC is used, which is processed on twin screw extruders. PVC profiles are characterized by low weight, excellent strength and form stability. For technical profiles, materials such as PO, PS, thermoplastic elastomers, polyamides and granulates with filler content are processed on single and twin screw extruders in addition to PVC. Material costs can be significantly reduced by using recycled materials in co-extrusion.
Applications

Window and door profiles

This market segment includes the following applications:
- Windows and doors made from plastics
- Extruded window sills
- Blinds
- Roller blind boxes
- Balcony panels
- Gutters
- Cable conduits

Windows and doors made from PVC offer an excellent price/performance ratio, are easy to install, resistant to weathering and chemicals and have excellent heat and sound insulation properties.

Co-extrusion
- Combination of high-grade PVC production waste or recycled materials (old windows) with virgin PVC
- Depending on the customer’s requirements, the co-extruder can be mounted directly above the main machine (piggyback) or positioned on the floor at an angle

Twin-strand extrusion
Due to greater flexibility in mono- and co-extrusion, twin-strand profile extrusion has become somewhat less popular in recent years.

Technical profiles

Thanks to their manifold attributes, small profiles can be found in a great variety of applications such as:
- Decorative profiles and edge bands in the furniture industry
- Cable conduits
- Light strips
- Cover strips and baseboards for the building and electrical industry
- Electronic components
- Scanner strips for retail stores
- Sealing profiles made of thermoplastic elastomers
Our production locations

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We offer you energy-efficient equipment and production solutions. Find out more in our brochure or online.

We offer you complete lines for your profile applications. Here you see schematic line layouts with all components available in green.

In the list you will find all our brochures for profile:
- Parallel twin screw extruders
- Conical twin screw extruders
- Single screw extruders
- Extruders for WPC/NFC extrusion
- Profile downstream