



Efficient™ Extrusion Screw

In more than 30 years of field experience in extrusion and blow molding, the Efficient™ Barrier Screw has proven that it can deliver up to 20% more throughput at lower melt temperature and better melt quality than conventionally flighted screws.

The patented design* of the Efficient™ Screw overcomes limitations of standard barrier screws with lead changes in the transition from the feed zone to the barrier section. This allows the introduction of the barrier flight and melt channel without choking off the solids channel.

Benefits

- Increased melting efficiency due to elimination of solids bed breakup.
- Higher melting rate resulting from increased exposure of the solids bed to the barrel surface where melting occurs.
- Improved stability, thanks to the elimination of channel plugging at the entrance to the barrier section.
- Better mixing in the melt channel because melted material is subjected to moderate shear as it passes over the barrier flight.

Typical applications

- Blow molding: HDPE, PP
- Sheet extrusion: PET, PETG, PP
- Blown film: LDPE, LLDPE and blends
- Cast film: PE
- Wire coating: Flexible PVC

Ready to meet your needs

For more information, a recommendation for the screw best suited for your process or a quotation, contact your [Xaloy representative](#) today. For additional contact information outside the U.S., visit xaloy.com on the Web.

*U.S. Patent no. 3,650,652

Unique screw designs that make MORE money

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YEARS