

Find
Out
Your
Solution



Walk The Talk

Polyolefin Pelletizing
Jumbo Extruder
Underwater Pelletizer

Polymer Compounding
Color/filler and functional MB
Engineering plastic reinforcement
TPE/TPR/TPV
Cable compounding

Under-water Pelletizing System
Huge capacity: 1–50 tons/hr
Micro-beads
Elastomer and hot melt pelletizing
Foam beads: EPS/EPLA/XPET

Polymer Foam Extrusion
CO2 foam XPS board
Graphite EPS beads pelletizing
PET Foam Core
PLA Foam Beads pelletizing
XPE Foam Sheet

Direct Extrusion
EVA/POE solar film
UHMWPE battery separator film
BOPET/BOPA/BOPP film extrusion
Steel pipe coating

PET Recycling & Extrusion
Bottle flakes recycling (BTB)
PET fiber/film recycling
Undried PET sheet extrusion
PSF/POY direct extrusion

useon-EC En 2025-04 / 01

EC series twin screw extruder

Application
Features
Parameter Configurations
Control System



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Start
Lean
Stay
Ahead



EC Series Twin-Screw Extruder

The New EC Series — A start of lean production

This isn't just another machine. It's designed with your production costs in mind. The new EC Series is purpose-built for small to medium-scale manufacturing, driven by a high-efficiency permanent magnet motor. It features optimized transmission and heating systems to significantly boost energy performance. Compared to traditional extruders, energy consumption is reduced by approximately 15%.

Its intelligent control system is adapted from large-scale production lines, equipped with smart alarms and remote diagnostics. With real-time energy monitoring and key parameter tracking, equipment status is always clear at a glance — making production management easier and more efficient.

Design Highlights

Smarter Drive, Lower Energy Consumption

- Reduced energy loss: A direct-drive structure eliminates mechanical transmission unit, improving operating efficiency.
- Energy-saving motor: Equipped with a high-efficiency permanent magnet motor (power factor up to 0.98), offering significant energy savings over conventional motors.
- Smoother operation: A dedicated frequency converter ensures soft start and stable running.

Smarter Control, Easier Maintenance

- Smart alarms and diagnostics: Clear notifications and fault playback help quickly locate and resolve issues.
- Remote support and maintenance reminders: Automated alerts and guided instructions (video + documentation) help extend service life.
- Real-time energy tracking: Energy consumption per ton is clearly displayed, aiding in optimization and cost control.

EC

Application

- Compounding and modification
- Filler masterbatch
- Color and functional masterbatch
- Biodegradable plastics
- Thermoplastic elastomers
- Direct extrusion

TECHNICAL DATA SHEET

EC Series	Screw Dismeter mm	Screw Speed rpm	Power kW	Throughput kg/h
EC 26	26.5	600	7.5	10~30
EC 35	35.6	600	18.5	20~80
EC 52	51.4	600	55	150~250
EC 65	62.4	600	90	300~400
EC 75	71.0	600	160	600~800

