

EVOLUM

TWIN-SCREW EXTRUDER RANGE

ENGINEERED FOR WHAT MATTERS MOST

- High mechanical performance
- Precise thermal control
- Scalable design
- Patented hydraulic opening for easier cleaning and maintenance

A COMBINATION OF ADVANCED TECHNOLOGIES

The EVOLUM® twin-screw extruder range integrates advanced technologies built on the proven performance of previous generations. Recognized as a benchmark in extrusion, EVOLUM® offers outstanding process flexibility and scalability, with a wide operating range between torque and screw speed, and optimized cooling capacity.

The homothetic design enables a direct transition from one model to another while maintaining the same process parameters. This approach ensures a simple, controlled, and reproducible scale-up, from pilot equipment to full industrial production lines.

FULLY MODULAR & SCALABLE

The EVOLUM+ platform offers complete scalability, from R&D pilot units to high-capacity industrial production.

MODEL	EV25	EV32	EV53	EV68	EV88	EV145
SCREW DIAM	25	32	53	68	88	145

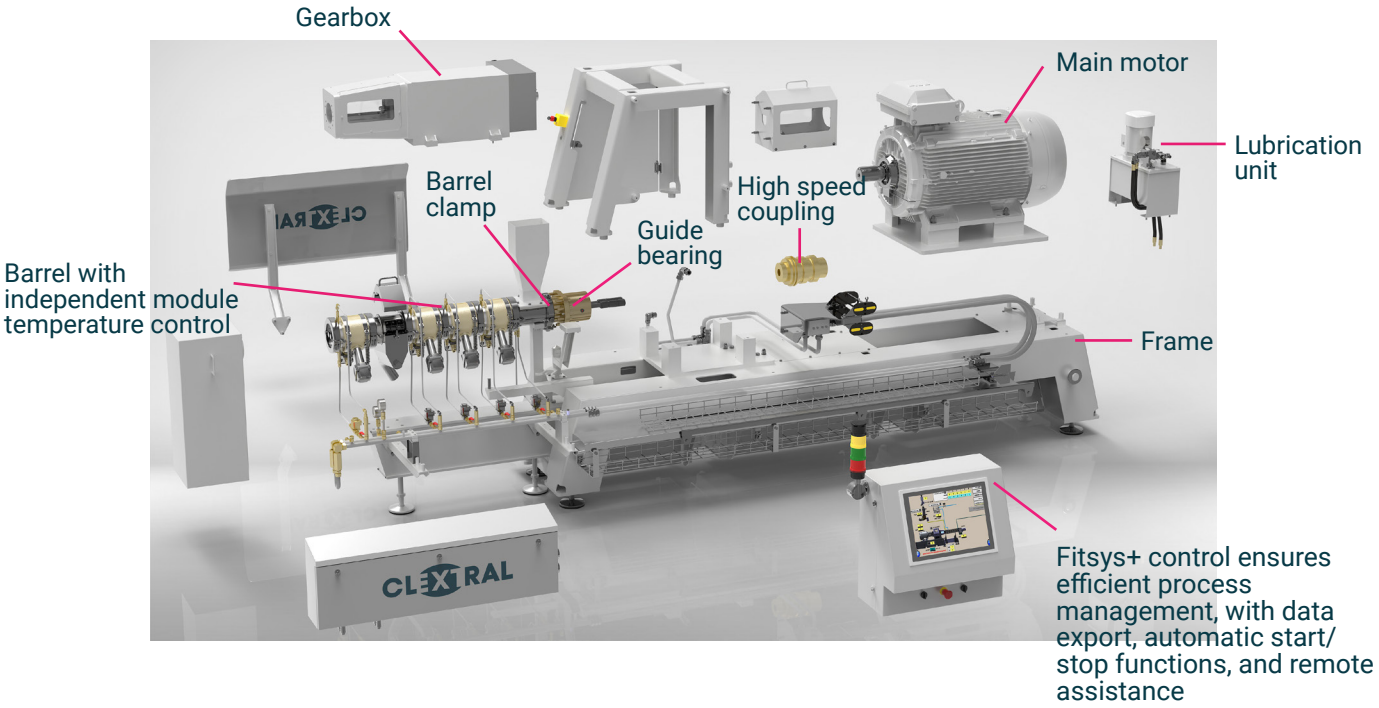
Standard operating screw speed: up to 800 RPM.
High-screw speed configurations (available upon request): up to 1,200 RPM.

TECHNICAL FEATURES

- **Mechanical specifications:** The range offers high torque density and a wide screw speed range, ensuring strong mechanical power, increased productivity, and enhanced process flexibility.
- **Thermal specifications:** The EVOLUM® design provides precise thermal control through optimized barrel cooling, enabling responsive and stable temperature regulation, even for sensitive or reactive processes.
- **Process specifications:** The modularity of the barrels and screws offers a wide choice of L/D configurations and screw profiles, enabling fine adjustment of time–temperature–shear parameters.

2025 © Clextral - Please do not litter - Images for illustration purposes only

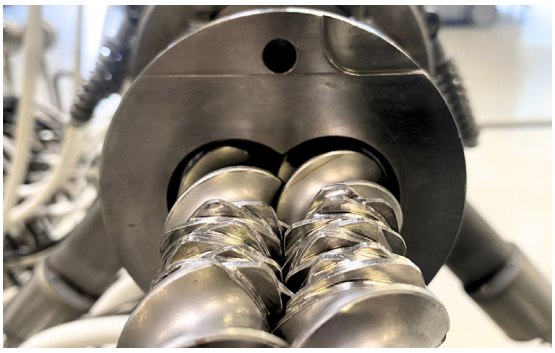
STRUCTURE AND KEY COMPONENTS OF THE EXTRUDER



SERVICES DEDICATED TO YOUR EXTRUDER

Clextral supports EVOLUM® extruder users throughout the entire lifecycle of their equipment. Our specialized teams provide:

- **Proactive maintenance**
- **Process support**
- **Dedicated training**
- **R&D assistance**
- **Installation & commissioning support**





CERTIFICATIONS

ISO 9001:2015 Certification
Quality Management

ISO 14001:2015 Certification
Environmental Management

CONTACT US

SALES TEAMS
Worldwide

salesemea@clextral.com
salesapac@clextral.com
salesamericas@clextral.com

CLEXTRAL
Headquarters

1 rue du Colonel Riez
42700, Firminy, France
+33 4 77 40 31 31

2025 © Clextral - Please do not litter - Images for illustration purposes only