

Clextral Pilot Plant & Product Development Centers



To inspire tomorrow's new products

The Clextral pilot plants in Tampa, Florida and Firminy, France are full-service facilities equipped with R&D and production twin screw extruders, dryers and a wide selection of ancillary equipment dedicated to your product development and testing needs. Our on-site process engineers and research scientists assist with your product development and make recommendations on product formulation and production platforms.

Benefits include:

- Confidential trials and industrial simulations to ensure optimum product quality and throughput
- Customer partnerships provide proactive R&D activity to improve existing product lines or implement advanced development on products and technology
- Expert assistance in the development of innovative products with exciting shapes, textures, formulas and coloration
- Critical evaluation of test samples: Structural form, physical and chemical properties, mechanical characteristics and dynamic behavior
- Outsourcing R&D contracts for new products
- Utilization of the Clextral facility to avoid downtime and lost throughput in testing on in-house production extruders
- Demonstrations on current and new processes
- Training modules and short course lectures designed for process personnel are conducted by Clextral's expert technical staff



Designed to make your new product dreams come true

A variety of food product categories may be created and tested in the Clextral pilot plants, including snacks, cereals, ingredients, petfood and pet treats, pellets, confectionary goods, TVP, and high moisture protein. Many nonfood items including paper and pulp products, chemicals, and plastics are also developed with the assistance of Clextral's experienced technical teams.

Dedicated to your success

Clextral's R&D teams at our pilot plants continue to generate and implement new product ideas for our customers. Unique shapes, co-extrusion patterns, bi-coloration and bi-texture are just some of the developments. Nutrition and diet also play important roles in today's market and Clextral is dedicated to guiding our customers' research in new and healthy ingredients and formulations.

In addition to extrusion and related processing systems, Clextral's facility is also equipped with the new Rotante drum dryer and Evolum belt dryer. These premier drying systems offer many drying profiles for the development of a variety of finished product characteristics. Final product results may be reviewed and analyzed for customer and marketplace performance and acceptance.

Clextral's pilot plant facilities are available by reservation. Please contact the Clextral Group for complete information and to schedule a test.

CLEXTRAL

EUROPE: CLEXTRAL SAS, Z.I. de Chazeau, BP 10, 42702 FIRMINY Cedex FRANCE • TEL: +33 4 77 40 31 31 • FAX: +33 4 77 40 31 23 • E-MAIL: clxsales@clextral.com

NORTH AMERICA: CLEXTRAL INC, 14450 Carlson Circle, Tampa, FL 33626 USA • TEL: +1 813 854 4434 • FAX: +1 813 855 2269 • E-MAIL: clextalusa@clextalusa.com

SOUTH AMERICA: CLEXTRAL LATIN AMERICA, Calle Mardoqueo Fernández N° 128, OF.802, Providencia, Santiago, CHILE • TEL: +56 2 335 59 76 • FAX: +56 2 335 59 77
E-MAIL: jcoelho@clextalusa.com - llacau@clextalusa.com

NORTH AFRICA: CLEXTRAL AFREM SERVICES, Lot. Mohamed Saddoune N° 163C, KOUBA, Algiers, ALGERIA • TEL: +213 21 21 01 17 • FAX: +213 21 21 00 79
E-MAIL: mtonkin@afreminternational.com

ASIA PACIFIC: CLEXTRAL ASIA PACIFIC, Room 9001, Novel Building, 887 Huai Hai Road (M), 200020 Shanghai, CHINA • TEL: +86 21 64 74 78 06 • FAX: +86 21 64 74 68 08
E-MAIL: jchen@clextal.com - eperroton@clextal.com - pbreillot@clextal.com

RUSSIA & CIS: CLEXTRAL Moscow Representation, a division of OOO LEGRIS Industries:125438, Moscow, Pakgauznoe Shosse, 1, 6th floor, office 609 • TEL: (+33) 6 73 84 52 08
E-MAIL: nlesyk@clextal.com

WWW.CLEXTRAL.COM