For the wide range of underwater pelletizing applications, the process parameters for each product need to be determined. Upstream and downstream processes should also be considered when investing in an underwater pelletizing solution.
To determine these important process parameters, different pelletizing and drying systems are available at the Technology Center in Muenster to help customers optimize a new or existing system. To determine the best possible system design, tests and trials with customer material are executed to provide the best application solution.

Production conditions can be simulated for throughputs up to 1,200 kg/hr (2,645 lbs/hr). All process and parameter data is recorded and analyzed automatically. Through the years of experience and the existing possibilities, the customer’s process can be reproduced as realistic as possible, for enabling a production-scale model designed to meet their specific needs.
Materials with a melting point between 50 - 420°C (122 - 788°F) can be processed. To determine these important process parameters, different pelletizing and drying systems are available for use in our laboratories. In addition to these critical systems, we offer a wide variety of die plates and cutter hubs to ensure that the customer’s desired pellet size is met. Pellets with a diameter of 0.4 - 12.0 mm (0.02 - 0.47 in.) can be produced. Moreover, the test center in Muenster, Germany is equipped with a variety of gear pumps and screen changers, which can be implemented in the line according to the desired application needs.
Technical Equipment

- Gravimetric Dosing
- Twin Screw Extruder
- Gear Pumps
- Start-up Valves
- Continuous & Discontinuous Screen Changers
- Underwater Pelletizing System
- Water Ring Pelletizing System
- Process Water Filtration
- Pellet Dryers
- Data Analysis Software

Our experts in the Technology Center have the necessary process know-how and expertise to provide you with the right answers and solutions, even for the most comprehensive tasks involved in the granulation process.

Learn more about the benefits and the potential of advanced pelletizing, melt delivery and filtration components.

Contact Us

Nordson BKG GmbH
Hessenweg 3
48157 Münster / Germany
+49.251.26501.0 Phone
info@nordsonpolymerprocessing.com

Nordson PPS GmbH
Coermühle 1
48157 Münster / Germany
+49.251.21405.0 Phone
info@nordsonpolymerprocessing.com