

The Partner for customised compounding



POLYCOMP
COMPOUNDING



About us

PolyComp GmbH, based in Norderstedt near Hamburg, is your leading specialist for high-quality contract compounding and contract manufacturing of plastic compounds. With a clear focus on your individual requirements, we are your reliable and trusted partner.

Our expertise covers engineering plastics (PA, PBT, PET), standard plastics (PP, PE) and innovative bio-based plastics (PLA, PBAT, PHA). As part of the Feddersen Group, we deliver customised solutions to the highest standards.





Our core competencies

- **Extensive expertise:** Benefit from our decades of experience in the precise processing of polyolefins (PP, PE), engineering plastics (PA, PBT, PET) and modern biopolymers (PLA, PBAT, PHA) – including complex custom requirements.
- **Precise raw material integration:** We process and meter a wide range of materials, including natural fibres, glass fibres, fillers, colour additives and liquids – exactly in line with your specifications.
- **State-of-the-art machinery:** Our flexible production setup, comprising eight state-of-the-art twin-screw extruders, enables rapid changeovers from strand to underwater pelletisation for maximum adaptability and efficiency.
- **Smart warehousing and logistics solutions:** With 10 raw material silos and 7 finished goods silos, as well as flexible packaging and logistics options (silos, containers, big bags, sacks and octabins), we help secure your supply chain.
- **Comprehensive quality assurance:** Our state-of-the-art laboratory, equipped with an injection moulding machine (500 kN) and a wide range of testing capabilities, supports the development and testing of your sample parts and end products.

Production lines	PA14	PA13	PA10	PA09	PA17	PA18	PA12	PA19
Technical specifications	ZE75A UT L/D 42 500 rpm	ZE60A UTX L/D 42 900 rpm	ZE65 BluePower L/D 50 900 rpm	ZE60A UTX L/D 42 900 rpm	FED 72 MTS L/D 32/42 650 rpm	DEC 72/2 L/D 32 500 rpm	FED 72 MTS L/D 42 650 rpm	FED 26 MTS L/D 32 1200 rpm
Distinctive feature			Screen changer and melt pump	Screen changer and melt pump				
Side dosing	1	2	2	2	2			1
Pelletising process	UWP	Strand/ UWP	Strand/UWP	Strand/UWP	Strand	Strand	UWP	Strand
Capacity	3.5 kt	2.5 kt	3.5 kt	2.5 kt	3.5 kt	2.5 kt	3.0 kt	0.2 kt



Additional services

- **Pellet finishing:** Precise blending and efficient repackaging of plastic pellets.
- **Flexible small-batch and pilot production:** Ideal for sample materials, trials and the successful market launch of your new products.
- **Warehousing and call-off services:** With flexible warehousing and call-off services for finished goods, we help strengthen your supply chain.
- **Sustainable material reprocessing:** Regranulation and material reprocessing enable the efficient and environmentally responsible reuse of plastics.
- **Metal removal for quality assurance:** Specialised processes ensure the reliable removal of metal contaminants.

Wide range of applications

Our customised compounds are used in a wide range of applications and industries, serving customers from mid-sized companies to global players in Germany and across Europe:

- Automotive (exterior and interior)
- Household goods and electrical applications
- Cables and pipes
- Packaging
- Chemical and plastics industries
- Pharmaceutical and cosmetics industries
- Food industry
- Filtration technology
- Heating and building services





Your benefits with PolyComp

- **Absolute customer focus:** 100% contract compounding means no proprietary products and no competition with you. We treat your formulations and data with the utmost discretion, protected by comprehensive NDAs.
- **Excellent materials expertise:** We have extensive expertise across the full spectrum of materials – from polyolefins (PP/PE) and engineering plastics (PA, PBT, PET) to innovative biopolymers (PLA, PBAT, PHA). Our know-how covers filled, reinforced and modified grades, ranging from standard to high-performance polymers.
- **Seamless full service and process reliability:** We offer everything from a single source – from raw material management and innovative process development to reliable, on-time logistics. Sophisticated processing, full traceability and documented, certified processes (ISO 9001, ISO 50001, IATF 16949) ensure the highest standards of reliability and safety. Benefit from customised batch solutions and comprehensive quality control.
- **Maximum flexibility and speed:** Short lead times and flexible production planning – including for small batches, test runs, pilot projects and specific custom formulations. Our flat organisational structure enables fast response times and straightforward solutions.
- **Strength through the Feddersen Group:** As part of the Feddersen Group, you benefit from access to comprehensive group-wide expertise in polymer development, additives and application technology, as well as a strong international network. This supports your development and scaling activities – always on your behalf.
- **Collaborative communication:** You can rely on personal consultation and first-class technical support for all your compounding requirements. We stand for straightforward collaboration on equal terms.
- **Made in Germany:** Our production and logistics site in Germany, centrally located in Europe, stands for the highest quality, reliability and short transport routes.



Material testing

State-of-the-art testing laboratory to the highest standards

Our in-house, fully equipped testing laboratory is at the core of our quality assurance and product development activities. Here, we ensure that your compounds consistently meet the highest standards.

- **Comprehensive material analyses:** We cover a broad range of parameters, including general properties (density, filler content, colour, moisture content), mechanical properties (strength, stiffness, fracture behaviour, as well as tensile, flexural and Charpy impact testing) and rheological properties (MFR, MVR).
- **Precise instrumental analysis:** Using state-of-the-art methods such as infrared spectroscopy (IR), we analyse material composition and structure.
- **In-house sample production:** Our injection moulding machine (Arburg Allrounder 320C, 500 kN) enables the rapid and precise production of standardised test specimens and sample parts for testing and development.
- **Comprehensive in-house testing:** We carry out all relevant production and process control tests in-house. For specialised testing, we draw on the Feddersen Group's network.

Certified excellence

Our processes and our commitment to quality are underpinned by recognised international certifications:

- ISO 9001:2015 (Quality management)
- ISO 50001:2018 (Energy management)
- IATF 16949:2016 (Quality management in the automotive industry, excluding product development)
- ISCC PLUS (sustainability certification)
- EcoVadis: Silver status (sustainability performance)
- ISO 27001:2022 (information security management, through the Feddersen Group)



Ready to get a head start?

Discover how PolyComp can meet your specific compounding requirements with maximum flexibility and complete confidentiality.

Contact us today for a non-binding initial consultation.

PolyComp GmbH

Member of the Feddersen Group

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