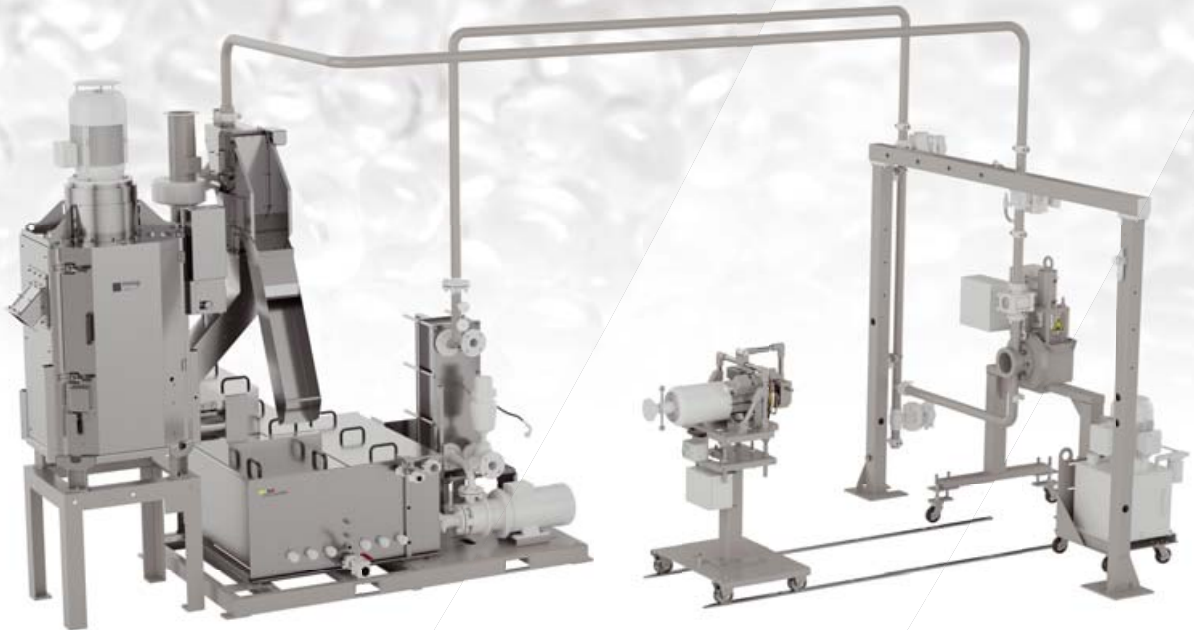


PELLETIZING & PULVERIZING SYSTEMS >

> UNDERWATER PELLETIZING



ZHULI®

Advanced, cost-effective underwater pelletizing technology



ZHULI® is an underwater pelletizing system with integrated pellet dryer and process water handling, designed to process a wide range of polymers and thermoplastics. The efficient system is characterized by high flexibility and small footprint. ZHULI® is manufactured locally with key components made in Germany.

With an installed base of more than 9,000 underwater pelletizing systems, we help our customers to achieve the maximum level of profitability.

Your benefits

- Ideal for all types of thermoplastics
- Throughput rates up to 1,800 kg/h
- Fully enclosed system with small footprint and user-friendly operation
- Fast product changeover – cleaning, assembly and start-up times are kept to a minimum
- Reliable cutting tool delivers spherical pellets of superb quality
- Long lifetime of wear parts
- Local service support from China

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Range of applications

ZHULI® pelletizing systems are well-suited for the production of compounds, blends, masterbatches, and recycled materials based on:

- Polyolefins, e.g. LDPE, HDPE, PP
- Styrene polymers, e.g. PS, SAN, ABS
- Acrylic resins, e.g. PMMA, PAN
- Polyacetals, e.g. POM
- Polycarbonates, e.g. PC
- Polyesters, e.g. PET, PBT, PEN
- Polyamides, e.g. PA 6, PA 6.6, PA 11, PA 12
- Thermoplastic elastomers, e.g. TPE-S, TPE-E
- Polyurethanes, e.g. TPU
- Hot-melt adhesives
- Rubber
- Natural and synthetic resins
- Biopolymers, e.g. PLA, PHA, Bio-PA, Bio-PET, Bio-PP
- Wood polymer
- Other plastics available upon request

ZHULI® can also be used for the production of micropellets.

Built-in system features

- Ground rail design
- Electrically heated die plate
- Pneumatic interlock of dryer doors
- Integrated pre-dewatering chute
- Integrated water filtration



Technical data

System components	ZHULI® SLC	ZHULI® MAP
Pelletizer	SLC	MAP
Power	4 kW	5.5 kW
Process Water System	PWS45	PWS45
Pellet dryer	CENTRO 150	CENTRO 150
Polymer diverter valve	standard	standard
Throughput	50 – 1200 kg/h	50 – 1800 kg/h
Pellet size	2.5 – 5 mm	2.5 – 5 mm 0.5 – 1 mm (micropellets)

Spring-loaded pelletizer

The Spring Loaded Cutter (SLC) is a cost-efficient solution for pelletizing basic polymers at lower rates. The SLC pelletizer uses constant spring pressure to adjust the cutter blades to the die plate, reducing the need for operator attention. The cutter hub is connected to the motor shaft through a telescoping spring sleeve, and the blades are automatically positioned against the die plate using spring force. The blade force can be adjusted per application or product by simply changing springs.

- Cost-efficient solution
- Simple to operate
- Low maintenance

Manually adjustable pelletizer

The Manually Adjustable Pelletizer (MAP) features a manual adjusting wheel to position the blades against the die plate. This simple blade adjustment design provides visual blade wear indication and maximum control of blade position. The unique design of the axial advance system replaces the need for a bearing housing assembly. The MAP design requires only one long-life thrust bearing for accurate adjustments.

- Simple blade adjustment
- Flexibility of application
- Easy to upgrade to automatic blade adjustment

