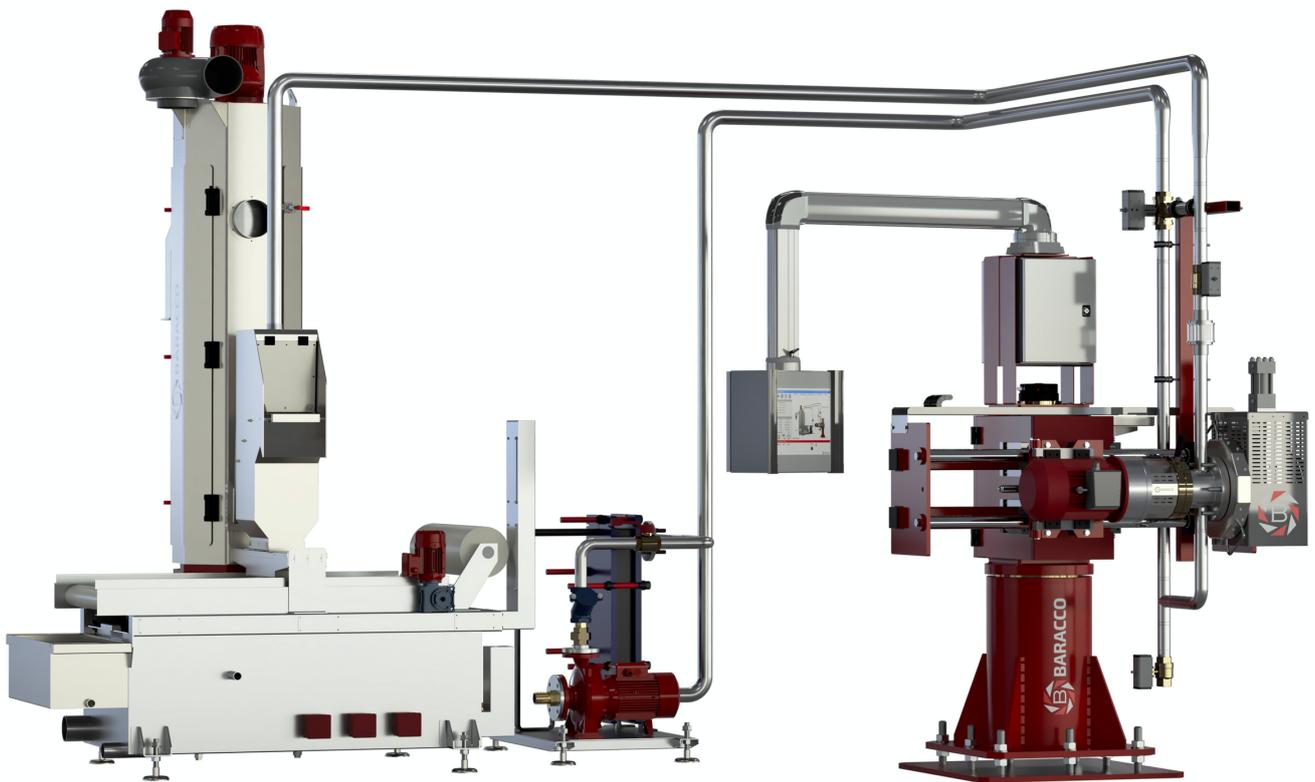


# BARACCO'S PRODUCTS AND SERVICES

Solutions for the plastic industry



Baracco pelletizing systems are based on the thirty-year experience of the founder Alberto Baracco.

The range of products offered consists of:

- Underwater pelletizers
- WaterRing Pelletizers
- Vertical Centrifuges
- Pyrolysis Thermal Cleaning Ovens
- Spare parts

All our products are designed and built with the goal of satisfying the most relevant economic and ecological needs of our customers in the best possible way.

## Benefits for the Customer:

- Products designed to meet the most specific customer needs
- Targeted and On-Time before and after-sales assistance
- Fast Delivery
- Design studied to facilitate the production process and maintenance
- High energy savings
- Minimum waste of plastic material in the start-up phase
- Wide range of applications
- Guaranteed final product shape
- Low running costs

# Underwater Pelletizing Systems

Operation and application

## Range of application

Baracco pelletizing systems are suitable for the production of raw materials, as well as for the production of compounds, blends, masterbatches and recyclates based on:

- Polyolefins, for example LDPE, HDPE, PP
- Polymers of styrene, e.g. PS, SAN, ABS
- Acrylic resins, eg. PMMA, PAN
- Polyacetals, for example POM
- Polycarbonates, eg. PC
- Polyesters, for example PET, PBT, PEN
- Polyamides, for example PA 6, PA 6.6, PA 11, PA 12
- Thermoplastic elastomers, eg. TPE-S, TPE-E
- Polyurethanes, for example TPU
- Hot-melt adhesives
- Erasing rubber
- Natural and synthetic resins
- Biopolymers, eg. PLA, PHA, PET, Bio-PP
- Bio-PA, Bio-PET
- Other plastics available on request

## Operation of the Baracco pelletizing systems

The diagram below shows the flow of material through a Baracco underwater pelletizing system or BPU.

The material is melted and homogenized inside an extruder and with a gear pump, which forces the molten polymer through a filter changer, it reaches the diverter valve. When the diverter valve is in action, the material passes through the die plate and once the polymer begins to exit the die, the pellets are cut by rotating blades and solidify in water inside the cutting chamber. The process water transports the pellets to an SP centrifugal dryer where the water is removed and the dry pellets are discharged.

Model of Pelletizer	Output Capacity (kg/h)
<b>BPU5</b>	400 - 500
<b>BPU15</b>	500 - 1500
<b>BPU30</b>	1500 - 3000
<b>BPU60</b>	3000 - 6000



# Underwater Pelletizing Systems

Benefits and technical data

## Benefits:

- Automatic start and shutdown
- Redundant safety interlocks
- Pelletizer blocking group
- Operation with low noise and high levels of cleanliness
- High energy savings
- High efficiency closed circuit filtered water system
- Minimal start-up waste
- Wide range of applications
- High quality pellets in variable sizes (according to customer needs)
- Low production costs

## Industrial application:

- Compounding
- Production of masterbatches
- Production of virgin resin
- Technical resins
- Polymers for medical and food use
- Recycling of plastics
- Hot-melt adhesives
- Thermoplastic elastomers
- Wood polymer composites
- Research and development

## Hourly production table by material (kg / h):

Material	BPU5	BPU15	BPU30	BPU60
LDPE	300	1300	3000	5000
LLDPE	300	1300	3000	5000
HDPE	250	1000	2500	4000
EVA	150	700	1500	2000
EVA crosslinked	150	700	1500	2000
PP	300	1300	3000	5000
PP mineral charged	300	1500	3500	6000
PS	300	1400	3000	5000
HIPS	300	1400	3000	5000
MIPS	300	1400	3000	5000
SAN	300	1400	3000	5000
ABS	300	1400	3000	5000
ABS+PC	300	1200	2000	3000
SB+PVC	300	1100	2000	3000
SB	300	1000	2000	3000
PMMA	300	1400	2000	6000

# Underwater Pelletizing Systems

Technical data (continued)

## Hourly production table by material (kg / h):

Material	BPU5	BPU15	BPU30	BPU60
PVC FLEXIBLE	300	1400	2000	6000
PBT	150 - 200	700 - 1000	1500 - 2000	2000 - 3000
PB	150 - 200	700 - 1000	1500 - 2000	2000 - 3000
PET	200	1400	3000	5000
PA 6	200	1000	3000	-
PA 6,6	200	1000	-	-
TPR	300	1300	3000	5000
SBS	300/350	1000	2000	3000
SEBS	300/350	1000	2000	3000
TPU	200/250	800	-	-
PC	250	1100	2000	4000

