

BKG[®] Optigon[™]

Underwater Pelletizing System

Throughput range up to $\leq 15,000$ kg/hr (33,000 lb/hr)

Processes

- Polymerization
- Masterbatch
- Compounding
- Recycling

Materials

- All materials which behave like thermoplastic polymers (PE, PP, PS, ABS, SAN, PA, PET, PC, POM, TPE, TPU, EVA, APAO, PBT, PMMA, EPDM)
- Highly-filled compounds
- Materials which generate a high degree of fines



Features

- Polygon[™] automatic filter + secondary filtration
- Self-cleaning tempered water system
- Modular design
- Completely skid-mounted
- Noise reduction of the pellet dryer ≤ 80 dB(A)
- Large dryer door for easy access
- Pre-dewatering
- Dryer available with inspection window and lights
- Cleaning system for the pellet dryer available
- Larger systems upon request

Benefits

- Continuous, automatic water filtration
- High level of automation, reduced operator intervention
- Improved water filtration level (up to $70\mu\text{m}$)
- Optional belt filter maximizes system automation
- Energy savings during operation through elimination of secondary pump
- Premium options / features available
- Process water tank can be heated via steam or other medium versus electrical heating
- Explosion protected design according to ATEX available

Model	Pellet Dryer	Capacity
Optigon [™] 2	TVE 2004 SR	< 2,500 kg/hr (5,500 lb/hr)
Optigon [™] 3	TVE 6002 SR	< 5,000 kg/hr (11,000 lb/hr)
Optigon [™] 4	TVE 6002 SR	< 7,500 kg/hr (16,500 lb/hr)
Optigon [™] 5	TVE 12000 SR	$\leq 15,000$ kg/hr (33,000 lb/hr)

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