

ECON

PELLETIZING
IS IN OUR
DNA



✓ **WORLDWIDE TECHNOLOGICAL LEADER**

✓ **TRUSTED DEVELOPMENT PARTNER**



ISO 9001 certified

**ECON AIR PELLETIZING
SYSTEMS, ELG & ECON
HYBRID**

www.econ.eu

ECON – PELLETIZING IS IN OUR DNA ...

... this means that, in the pelletizing field, we make the impossible possible. **ECON** specializes in the development, production, and global marketing of innovative solutions for underwater pelletizing technologies and screen changers. **ECON** has secured numerous patents since its establishment in 1999. Our commitment to continuous improvement and technical development make us a recognized innovation leader for pelletizing systems. Global producers of virgin resins, compounders, masterbatch manufacturers, and recycling companies all value the quality and efficiency of **ECON** equipment.

ECON Technology

- **Tailor-made solutions** for your production line with a focus on durability.
- The exclusive engineering of the **patented ECON technology** significantly stands out from the conventional production machine.
- **Energy saving** due to the special design of the die plate unit.
- Our **service team responds immediately** to your requests and requirements.
- In the **ECON technical center**, you will have the opportunity to **experience the engineered technology** of the ECON underwater pelletizing process utilizing your material.
- You can **rent** our pelletizer before you decide to buy.
- As an owner-managed company, we guarantee **fast and short decision making processes.**

ECON TECHNOLOGY

ECON PELLETIZING TECHNOLOGY



**ECON MELT
FILTRATION**



**ECON LABORATORY
EQUIPMENT**



**ECON MELT
TECHNOLOGY**



**ECON PYROLYSIS
CLEANING TECHNOLOGY**

ECON AIR PELLETTIZING SYSTEM, ELG

The **ECON** air pelletizing system was specially developed for processing wood & natural fiber compounds (such as WPC) and bioplastics. An underwater pelletizing system requires a substantial amount of drying, as water is used to cool and convey the pellets. Common drying methods are often unable to attain satisfactory levels of residual moisture.

To eliminate any need to dry the pellets, the **ECON** air pelletizing system was designed. It uses air to cool and convey the pellets. At the same time, the system benefits from the Thermal Insulation Technology, resulting in a uniform cut and easy conveying of the pellets from the “cool” cutting surface without generating chains or agglomerates.

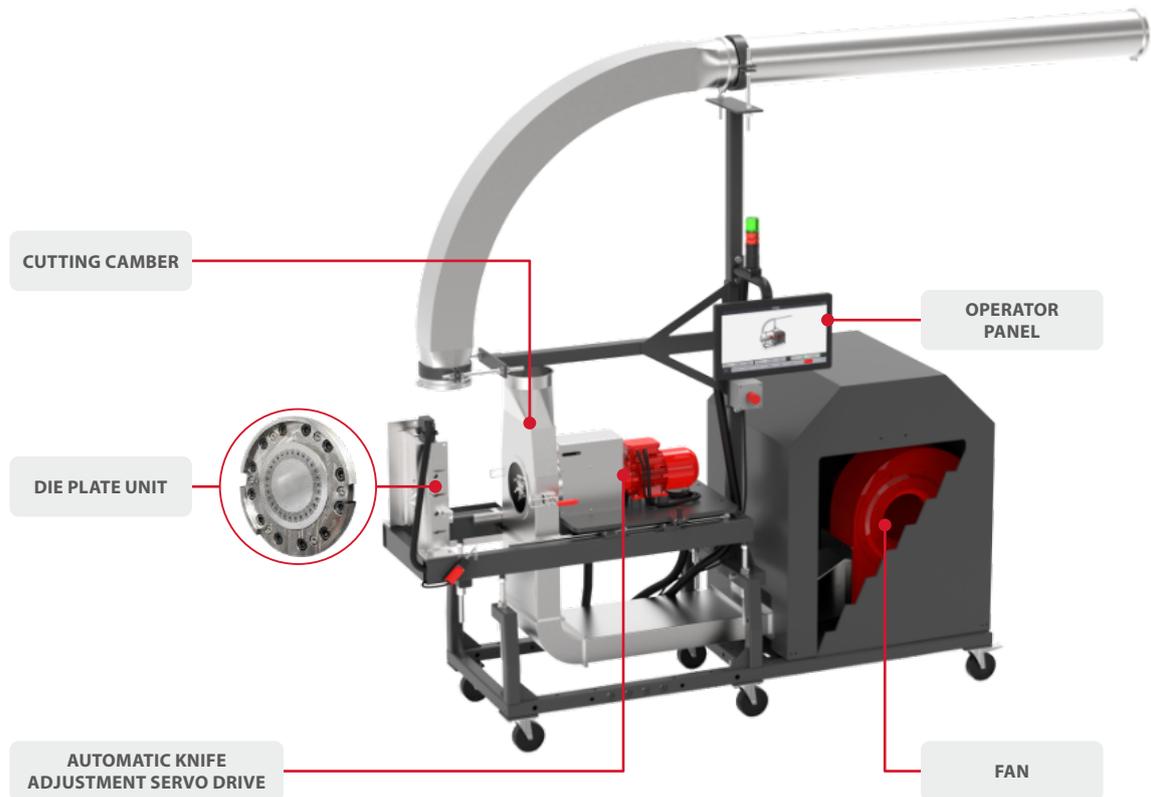
Among natural fiber compounds, the **ECON** air pelletizing system is also well suited for processing PVC, which has a low inner specific heat, therefore requiring only minimal cooling.

ECON HYBRID

The **ECON** air pelletizing system can also be combined with the **ECON** underwater pelletizing system into the underwater and air pelletizing system **ECON** Hybrid. Especially for laboratory applications this combination provides benefits in terms of flexibility and space requirements. With only a few modifications, one system can be used for both underwater and air pelletizing. The machine can be converted from an air pelletizing system to an underwater pelletizing system and vice versa within a short period of time.

- maximum flexibility — two pelletizing technologies combined in one machine
- special edition for all polymers (also hygroscopic and water-soluble materials)
- easy and fast transformation between water and air pelletizing system

ECON AIR PELLETIZING SYSTEM, ELG



- perfect solution for bioplastics, hygroscopic and water-soluble materials
- airstream for cooling and conveying the pellets
- uses the principle of thermal insulation
- highest process stability
- very energy efficient, as no drying of pellets is needed
- high-quality pellets
- tailor-made solutions for your individual requirements

ECON AIR PELLETIZING SYSTEM, **ELG**



Air Pelletizer	Throughput capacity*
ELG 10	1 to max. 30 kg/h (2 to 60 lbs/h)
ELG 50	20 to max. 100 kg/h (40 to 220 lbs/h)
ELG 150	100 to max. 300 kg/h (220 to 660 lbs/h)
ELG 400	300 to max. 600 kg/h (660 to 1,320 lbs/h)
ELG 1500	600 to max. 1,200 kg/h (1,320 to 2,640 lbs/h)
ELG 3000	1,200 to max. 3,000 kg/h (2,640 to 6,610 lbs/h)

*The listed areas are guideline values and apply to standard granules. The throughput capacities always depend on the material properties and pellet size and can also deviate in individual cases. With micro-pellet compounds, the throughputs are generally lower.

ECON HYBRID – AIR PELLETTIZING SYSTEM



ECON Hybrid	Underwater Pelletizer*	Air Pelletizer*
EWA 10	1 to max. 30 kg/h (2 to 60 lbs/h)	1 to max. 30 kg/h (2 to 60 lbs/h)
EWA 50	2 to max. 150 kg/h (4 to 330 lbs/h)	20 to max. 100 kg/h (40 to 220 lbs/h)
EWA 150	100 to max. 450 kg/h (220 to 1,000 lbs/h)	100 to max. 300 kg/h (220 to 660 lbs/h)
EWA 400	300 to max. 800 kg/h (660 to 1,700 lbs/h)	300 to max. 600 kg/h (660 to 1,320 lbs/h)
EWA 1000	700 to max. 1,800 kg/h (1,500 to 4,000 lbs/h)	300 to max. 600 kg/h (660 to 1,320 lbs/h)
EWA 1500	800 to max. 2,500 kg/h (1,700 to 5,500 lbs/h)	600 to max. 1,200 kg/h (1,320 to 2,640 lbs/h)
EWA 3000	1,800 to max. 3,500 kg/h (4,000 to 8,000 lbs/h)	1,200 to max. 3,000 kg/h (2,640 to 6,610 lbs/h)

*The listed areas are guideline values and apply to standard granules. The throughput capacities always depend on the material properties and pellet size and can also deviate in individual cases. With micro-pellet compounds, the throughputs are generally lower.

OPTIONAL EQUIPMENT:

ECON CYCLONE ADDITIONAL AIR EXCHANGE



Additional air exchange through a conveying fan with cyclone injector and conveying lines to reach the lower pellet end temperature.

OPTIONAL EQUIPMENT:

ECON VIBRATION SYSTEM, EVS



ECON Vibration system offers superior cooling performance by gently moving your product forward to the discharge.



FOR ALL THERMOPLASTICS AND SPECIAL APPLICATIONS



PATENTED THERMAL INSULATION TECHNOLOGY



EASY AND SAFE OPERATION



ENERGY-EFFICIENT SOLUTIONS



TAILOR-MADE SOLUTIONS



TRAINING OF YOUR STAFF



PREMIUM SERVICE
- **service quality** for your success
- **flexible service solutions** - for your individual requirements



QUALITY PROOFED ORIGINAL SPARE PARTS
- ECON certified
- locally stocked
96% in stock



PROFESSIONAL REMOTE MAINTENANCE



PREVENTIVE MAINTENANCE

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