

Extruder OEE for the production of fish and shrimp feed

The KAHL Extruder OEE was developed to improve the versatility of the annular gap expander and adds to the flexibility of production – due to simple and fast changing of the hydraulically adjustable die.



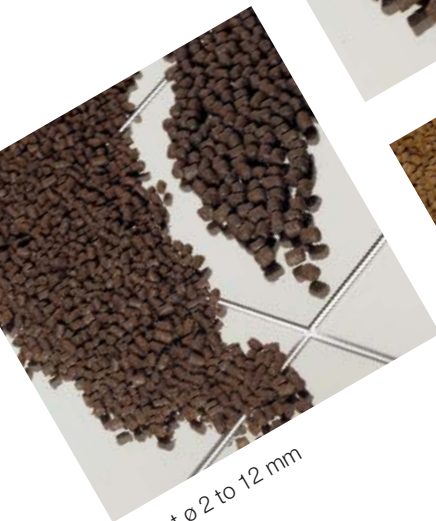
Water stable pellets for 2 - 8 hours



Slowly sinking pellets



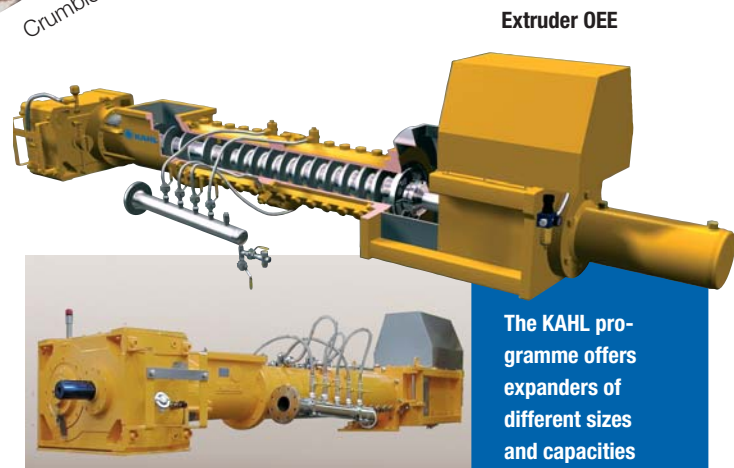
Crumble ϕ 0.1 to 2 mm



Pellet ϕ 2 to 12 mm



Floating pellets

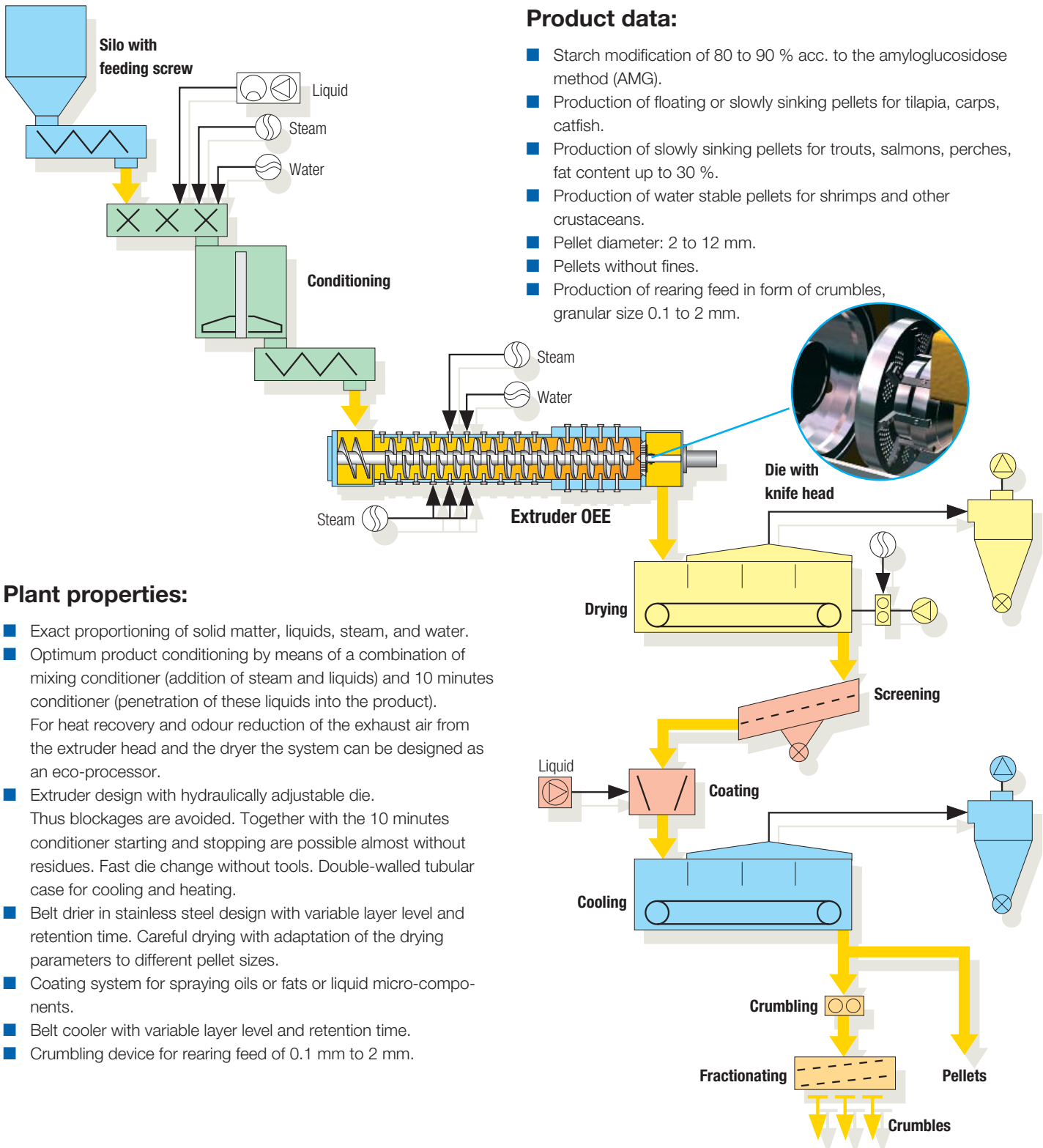


Extruder OEE

The KAHL programme offers expanders of different sizes and capacities for the production of Expandat® or extruded feed.

Production of fish and shrimp feed

Extruder OEE – Flexible production by means of the hydraulically adjustable die



Product data:

- Starch modification of 80 to 90 % acc. to the amyloglucosidose method (AMG).
- Production of floating or slowly sinking pellets for tilapia, carps, catfish.
- Production of slowly sinking pellets for trouts, salmons, perches, fat content up to 30 %.
- Production of water stable pellets for shrimps and other crustaceans.
- Pellet diameter: 2 to 12 mm.
- Pellets without fines.
- Production of rearing feed in form of crumbles, granular size 0.1 to 2 mm.

Plant properties:

- Exact proportioning of solid matter, liquids, steam, and water.
- Optimum product conditioning by means of a combination of mixing conditioner (addition of steam and liquids) and 10 minutes conditioner (penetration of these liquids into the product). For heat recovery and odour reduction of the exhaust air from the extruder head and the dryer the system can be designed as an eco-processor.
- Extruder design with hydraulically adjustable die. Thus blockages are avoided. Together with the 10 minutes conditioner starting and stopping are possible almost without residues. Fast die change without tools. Double-walled tubular case for cooling and heating.
- Belt drier in stainless steel design with variable layer level and retention time. Careful drying with adaptation of the drying parameters to different pellet sizes.
- Coating system for spraying oils or fats or liquid micro-components.
- Belt cooler with variable layer level and retention time.
- Crumbling device for rearing feed of 0.1 mm to 2 mm.



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