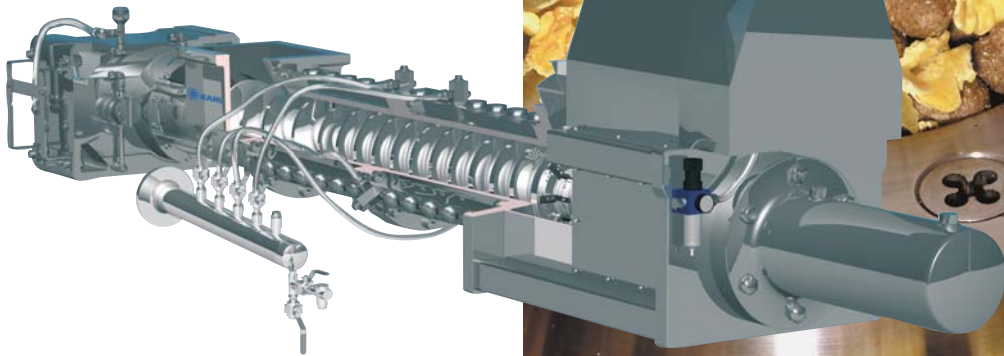
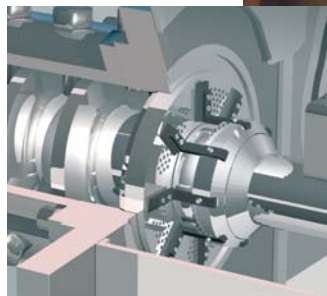


# Extruder OEE for the production of petfood

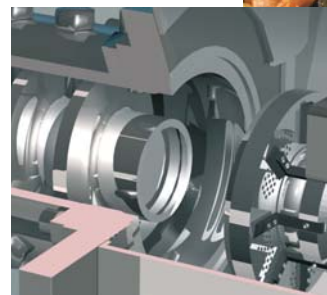
The KAHL Expander-Extruder OEE was developed to improve the versatility of the annular gap expander and adds to the flexibility of production – due to simple and fast changing of the hydraulically adjustable die.



Contrary to conventional extruders, the KAHL extruder OEE is equipped with a hydraulically adjustable die.



Product and tool changes are simplified and accelerated significantly. There are hardly any product losses during the starting and stopping phase.



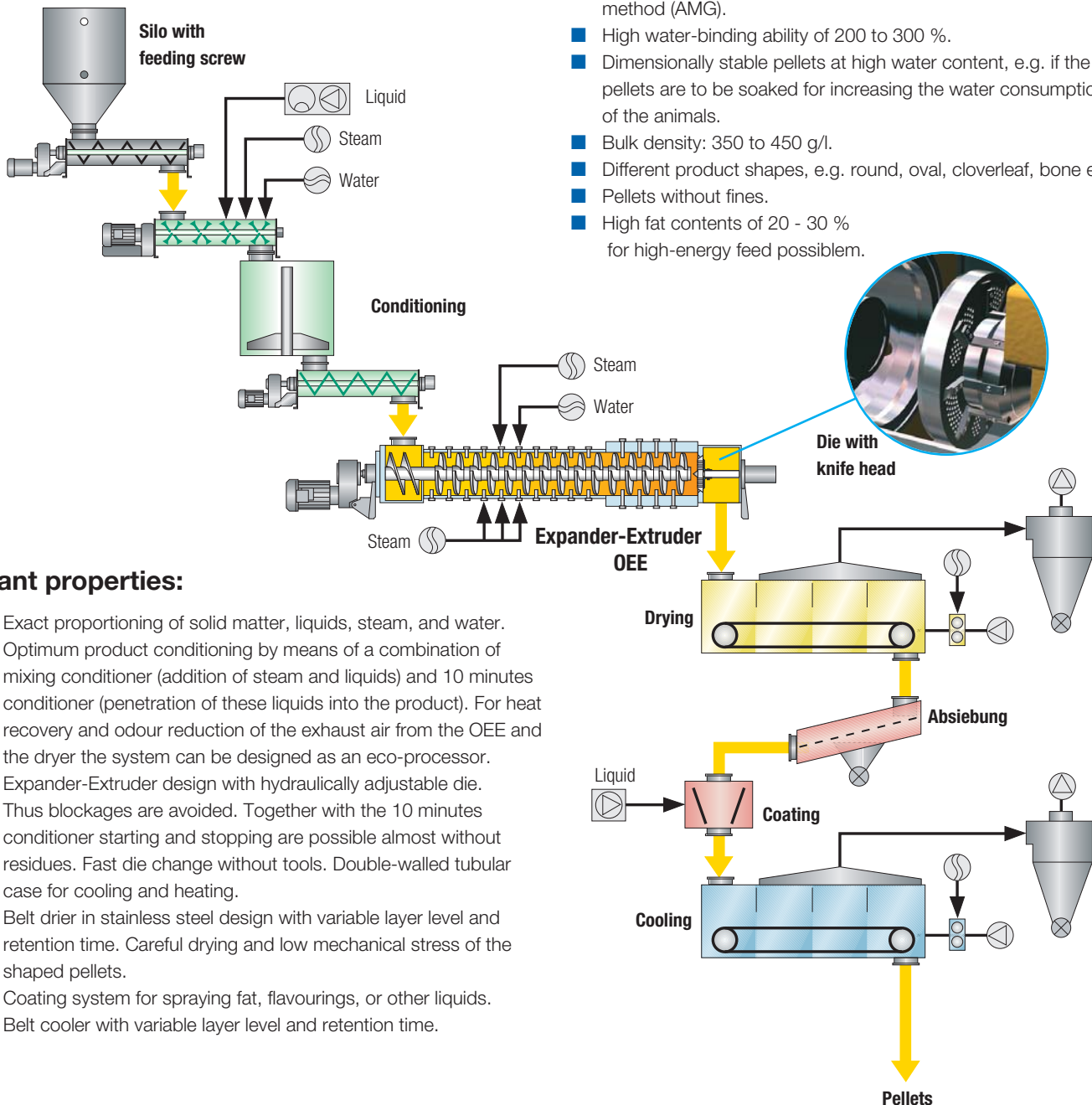
Different product shapes and sizes for dogs and cats

# Production of dog and cat food

## 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).
- High water-binding ability of 200 to 300 %.
- Dimensionally stable pellets at high water content, e.g. if the pellets are to be soaked for increasing the water consumption of the animals.
- Bulk density: 350 to 450 g/l.
- Different product shapes, e.g. round, oval, cloverleaf, bone etc.
- Pellets without fines.
- High fat contents of 20 - 30 % for high-energy feed possible.



### 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 OEE and the dryer the system can be designed as an eco-processor.
- Expander-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 and low mechanical stress of the shaped pellets.
- Coating system for spraying fat, flavourings, or other liquids.
- Belt cooler with variable layer level and retention time.



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