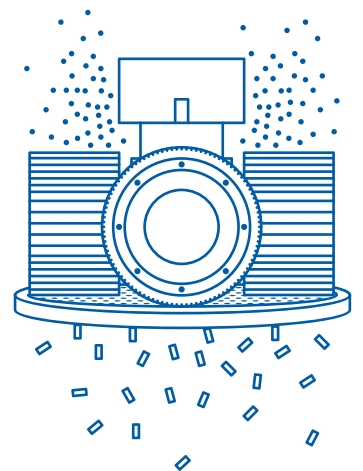


**PLANTS  
FOR PELLETING  
STRAW AND OTHER  
CRUDE FIBRE  
PRODUCTS**







*KAHL Pelleting presses are extremely suitable for compacting a large variety of products.*

Pelleting of renewable raw materials for energy recovery has been a topic for KAHL for more than 30 years, after receiving corresponding research assignments following the energy crisis in the 1970's. Straw and dried forage pelleting plants have formed part of our delivery programme since then, too. So, we can rely on long-standing experience.

Heavy machinery pays off when it comes to processing of these products. The result is a high operational safety and availability for continuous operation of the plant.

**POSSIBLE APPLICATIONS OF THE PELLETING PRESSES**

- Wood waste
- Sawdust
- Wood and sanding dust
- Straw
- Agricultural biomass
- Waste paper
- Municipal and industrial waste
- Waste tyres
- Sewage sludge
- Plastic waste
- and many more...

# KAHL PELLETING PLANTS

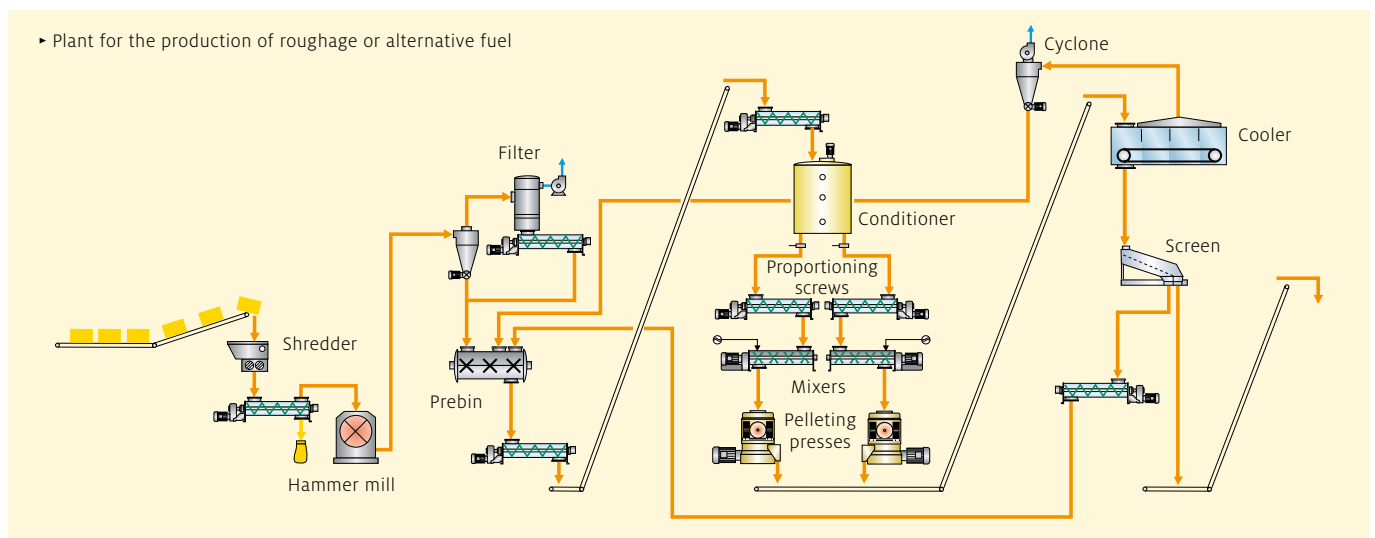
All over the world vegetable waste products are available, which remained largely unused in the past. These products are recovered increasingly and passed on to further use.

The location of a processing plant for cellulose-containing plant products depends on the type of product and the intended use of the pellets produced.

Straw is processed in the harvest area, for avoiding long transport routes, and then used thermally, for example, in the form of pellets with high bulk density. Husks and other waste products are produced in the processing plants. They are pelleted there to reduce the volume. The pellets are largely dust-free, easy to transport and store.



## STRAW PLANTS FOR ALTERNATIVE FUELS, COMPOUND FEED AND LITTER



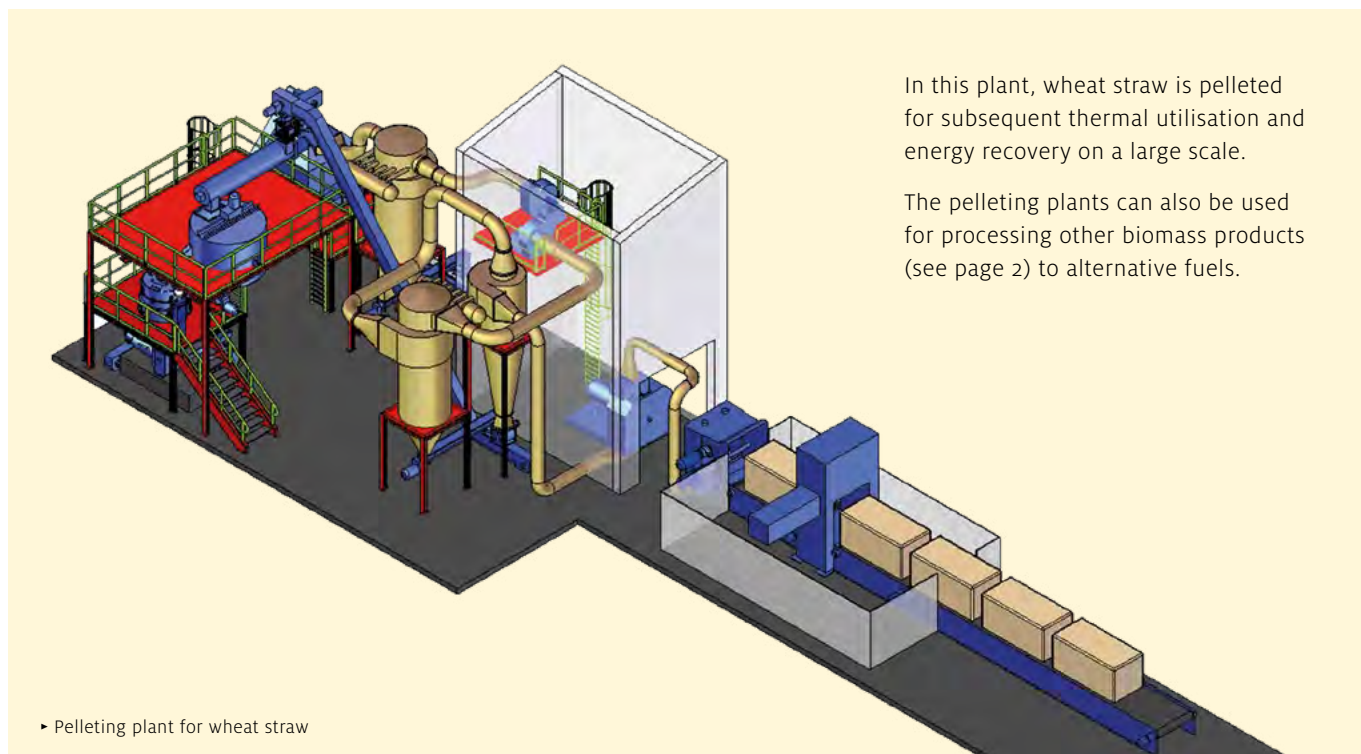
The quantity of straw produced in an area of cultivation and the economic possibilities of transport determine the location and the capacity of a processing plant.

If the chosen location offers favourable climatic conditions, straw which has been pressed to bales can be stored in the open air. In wet areas straw should be protected by a canvas cloth or be stored inside under a roof.

A good straw quality is only ensured by bringing the straw immediately to the appropriate storage. This has a decisive influence on the quality of the final product.



## TURN-KEY PLANTS FOR THE PRODUCTION OF PELLETS





Straw in big bales is supplied via the barn floor and is taken by a conveyor belt to the shredder. The chopped material then passes the proportioning units and is fed to the straw mill. Stones and metal particles are separated before the straw enters the mill. If it is not necessary to grind the straw to a finer degree, the mill can be by-passed.

**KAHL BELT COOLER**

Normally, an industrial pelleting plant is equipped with one or several coolers and ideally works round the clock, up to 8,000 operating hours per year.

**OUR OWN PRODUCTION LINE GUARANTEES QUALITY**

All main machines, such as hammer mills, belt driers, pelleting presses and coolers, are produced in our factory at Reinbek near Hamburg. Here we also have our own pilot plant for carrying out pelleting tests with different products.



**ADVANTAGES**

- The large pelleting chamber prevents blockings
- The low roller speed ensures a good deaeration of the product
- The press noise is below 70 dbA
- The large die surface results in a high throughput
- The pellet quality can be controlled by adjusting the roller gap



- |                   |                     |
|-------------------|---------------------|
| 1 Bale crusher    | 5 Pelleting press   |
| 2 Hammer mill     | 6 Belt cooler       |
| 3 Conditioner     | 7 Screening machine |
| 4 Thermal reactor | 8 Bagging device    |





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