Pellet Mill.

AHHC/D
Pellet Mill AHHC/D.

Electrical surface heating “Hotsil”.
The electrical “hortsil” heating consists of the heating elements embedded in glasfiber reinforced silicon layer, mounted directly on the mixer housing, including 0.3 inch silicon insulation, earthing, thermostat, potentiometer and junction box.

1. Ensures best possible intensive and homogeneous mixing of steam and feed particles.
   - Conditioning temperatures above 95 °C are possible.
   - In addition to steam, it is also possible to add up to two more liquids.
   - Reduced residual quantities thanks to novel design of the mixing tools.
   - Easy cleaning thanks to large clean-out door.
   - All housing surfaces in contact with material are covered by heating pads.

2. Destroys pathogenic microorganisms efficiently, improves pellet quality and increases pellet mill throughput.
   - Free and precise selection of the dwell time from 30 to 240 seconds.
   - First in, first out principle for narrow distribution of retention time, guaranteeing uniform thermal treatment of all particles.
   - Reduced residual quantities thanks to novel design of the screw segments.
   - Novel, patented tool for ensuring a more homogeneous product discharge at low rotational speeds.
   - Easy cleaning thanks to large clean-out door.
   - All housing surfaces in contact with material are covered by heating pads.

System for the production of hygienized compound feed meeting the most rigorous safety standards.
- Modular system with standardized interfaces.
- Hot air can be applied to act upon critical points of the process line during production.
- Reduced start-up times thanks to manual or automatic steam volume control.
- Hygienizing mode can be selected to ensure product quality (hygienizing temperature and dwell time) and to reduce the contamination risk during start-up. The hygienizing mode guarantees the return of inadequately conditioned compound feed and at the same time minimizes the quantity returned.
- Automatic heating and drying of the system before and after production by heating pads and optional hot-air system, reducing start-up and cleaning times.
Innovative hygienizing and compacting technology.

3 State-of-the-art compacting technology up to 30 t/h.
– Low space requirement thanks to advanced pellet mill design.
– Reduced circumferential die speeds thanks to modern power transmission.
– Integrated by-pass at the pellet mill inlet for meeting high hygienic quality requirements.
– Heating pads on the inlet.

Optional: Fully automatic control from conditioning and compacting to cooling.
– Optimal control of hygienized compound feed production thanks to option between normal and hygienizing modes.
– State-of-the-art touch-screen technology for easy operation.
– Remote control is possible through Ethernet.
– Easy integration in plant control system via Profibus.
– Available in all languages of the world.
– Hydraulic automatic roll gap adjustment.

PELLET MILL AHHC 520
PELLET MILL AHHD 660

Control of pellet quality through dwell time and temperature.

Control of throughput rate through dwell time and temperature.

Reduction of the germ count.

The new hygienizing concept.
Solutions tailored to your needs.

**STANDARD**
The standard design version consists of the conditioner, the pellet mill and the control system and is used in conventional pelleting applications. The conditioner is distinguished by its intensive and homogeneous mixing of steam and feed, improving the effects of conditioning. The modular design allows the standard design version to be easily converted to the quality or hygienizing version to meet future needs.

**QUALITY**
The quality version consists of the conditioner, one retainer (dwell time from 30 to 120 seconds), the pellet mill and the control system. The free and precise selection of the dwell time and the associated possibility of higher liquid addition rates allow the pellet quality to be easily optimized or the specific mechanical energy requirement of the pellet mill to be reduced. In addition, difficult products are easier to compact (reduced risk of press roll slippage).

**HYGIENE**
The hygiene version HYSYS consists of the conditioner, two retainers (dwell time 60 to 240 seconds), the pellet press and the control system. It is applied to meet maximum requirements in terms of microbiological product quality. The hygienizing temperature and dwell time can be selected with high precision, enabling efficient control of pathogenic microorganisms. Hot air can be applied to act upon critical points of the process line. This, in conjunction with the possibility of flushing and drying the system after production with hot air, reduces the risk of recontamination considerably. Additional specific measures can be taken within the HYSYS system to reduce the contamination risk during start-up, assuring a high product quality.
Pellet Mill AHHC/D.

Technical data.

Technical data pellet mill

<table>
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<tr>
<th>Model</th>
<th>Capacity</th>
<th>Motor</th>
<th>Die diameter</th>
<th>Die width</th>
<th>Press rolls diameter</th>
<th>Press rolls width</th>
<th>Dimensions</th>
<th>Weight (kg)</th>
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<td>(kW)</td>
<td>(mm)</td>
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Technical data hygienizing section

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