Faster start-up, increased productivity.

Application
HYMIX Plus is a development based on the existing HYMIX conditioner (DCHA). Already installed HYMIX conditioners can be easily upgraded to the new feature; while new conditioners can be ordered with or without HYMIX Plus. The option is available for the conditioner sizes DCHA-400 and DCHA-700. The smart terminal box allows for simple integration into Bühler or 3rd party line control systems.

Reduction of start-up time and productivity increase
HYMIX Plus allows to reduce the start-up time of the pellet mill by about 30%. Depending on the pellet line layout and production characteristics, this can result in a significant productivity increase. The higher the number of batch changes, the more profitable the system.*

Energy savings due to faster start-up
The reduction of the start-up time also results in savings of mechanical and electrical energy during the conditioning and pelleting process.

Compliance with market requirements
HYMIX Plus allows to comply with highest market requirements and to differentiate from competitors. 100% of the feed mash is heated to the set target temperature before the material is fed to the pellet mill. No feed has to be recycled or dumped due to insufficient temperature treatment.

Simple retrofit solution possible
Any HYMIX conditioner of the series DCHA-400 and DCHA-700 can be easily upgraded on-site – within a short time-period.

Advantages
- Reduction of start-up time and productivity increase*
- Energy savings due to faster start-up
- Compliance with market requirement
- Simple retrofit solution possible

* First experiences show a reduction of the start-up time of even up to 60%. The productivity increase is subject to various conditions such as number of production batches, pellet line layout or plant bottlenecks.

Reduction of start-up time with HYMIX Plus

<table>
<thead>
<tr>
<th>Product temperature [°C]</th>
<th>Dosing speed [rpm]</th>
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![Graph showing reduction of start-up time with HYMIX Plus](image)

** Actual reduction subject on multiple variables, no guarantees may be derived.
State of the art option.
New technology to feed your profit.

**Functionality**
1. A pre-defined amount of mash is fed into the mixing section of the HYMIX Plus conditioner.
2. Addition of steam and intensive mixing of feed particles with steam.
3. When the target temperature is reached (sensor 1), the feed is conveyed to the outlet section of the conditioner.
4. The feeder above the conditioner starts dosing at full capacity.