



Nixtamal Flour
Process
PRIME MASA

Prime Masa

Technology for waste water free production



- 52%

For cooking and drying
compared to traditional
process



- 96%

Due to elimination of
waste-water and better
yield in Maize



- 84%

Due to steaming and
flaking technology
instead of soaking



Innovative solution for traditional Nixtamal flour.

Bühler's pioneering process for the Nixtamal (Masa) flour Industry combines the benefits of the traditional Nixtamal process with latest food processing technology. It enables to produce Nixtamal flour of best quality, while eliminating any waste water during the production. As your partner, we look forward to developing successful and sustainable solutions for your future.

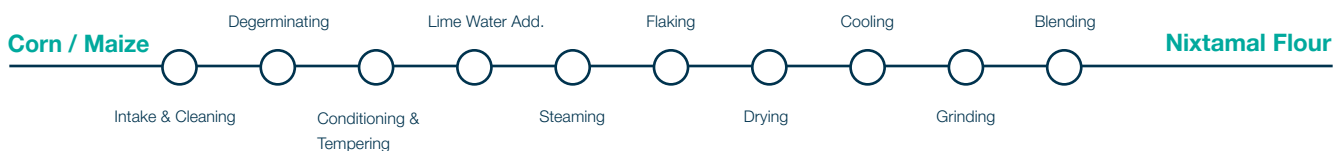
The most significant advantage of the Prime Masa process is the waste water free production, which results in a more nutrient-rich product. With the proven and reliable technology of Bühler it is possible to produce Nixtamal flour while retaining the flavor, texture and mouth feel of

Nixtamal flour in the traditional way. Bühler has developed two plant modules to serve your needs – 110 tons per day and 220 tons per day.

Benefits

- Waste water free production
- Characteristics are identical to traditional Nixtamal flour
- Flexible and reliable process
- Low maintenance demand

The innovative process for Prime Masa Nixtamal Flour.



Innovations for a better world

Proven technology for your success



Conditioner BCTC

- Consistently high product quality
- Low energy consumption
- Uniform water distribution on maize



Steam Conditioner MBDA

- Uniform steaming exposure to product
- Economical operation
- Accurate temperature setting



Flaking Roller Mill BCFB

- Highest uptime with unrivalled product quality
- Adaptable flaking parameters
- Intuitive machine control



Antares Roller Mill MDDR

- Perfect grinding
- Highest sanitation standards
- Excellent operating reliability



Online sensors MYRG, MYHB & MYTA

- NIR Multi Online Analyzer
- Particle size measurement unit
- Online colour and specks measurement



Automation and Process Control

- Ultimate solution for factory automation
- Optimized productivity and quality assurance
- Operator guidance for key functionality

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