



FILLING MACHINES  
& CHEESE EQUIPMENT

# GDL & SALT MIXER



Semi or fully automatic  
GDL & salt mixers



# Running inline with the filling machine

*When producing white cheese fermented not by culture but by the acidifying agent known as GDL (Glucono – Delta – Lactone) powder - it is necessary to mix the powder into the cheese milk prior to filling the product.*

Primodan has extensive experience in producing GDL mixers for this application, which run inline with the filling machine regardless of whether it is a Tetra Pak carton/brick machine, a SIG combibloc machine or a Primodan cup or canister filling plant.

In our system, we are able to not only mix in GDL powder but also to mix in salt in the same unit, thereby removing the need for pre-salting tanks. The units are produced as semi-automatic or fully automatic depending on the customer's preference.



Both types are fully CIP cleanable from the customer's CIP plant. As an additional feature Primodan offers inline flavor mixing units, which can be connected to the GDL mixer for mixing in flavor inline before the filling machine.

Double feedback from valves.

## Flexibility

Operates one, or as an option several fillers from the same unit.

## Hygienic design

Primodan's special augers allows heat treatment of the salt before mixing.

## High capacity

Allows capacities up to 6,400 kg/hour.

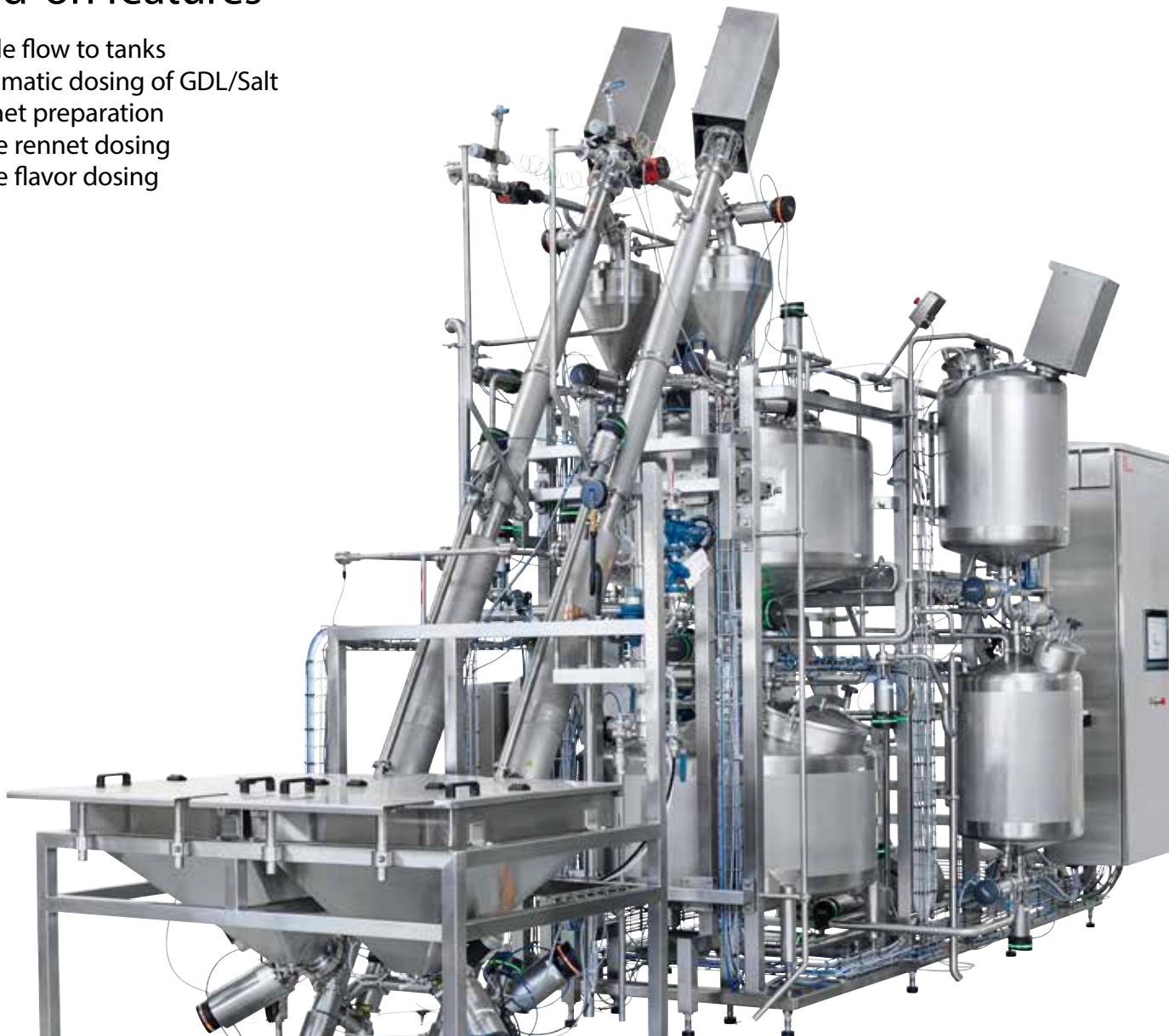


Steam jacket on salt auger.

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## Add-on features

- Sterile flow to tanks
- Automatic dosing of GDL/Salt
- Rennet preparation
- Inline rennet dosing
- Inline flavor dosing





## Technical

<b>Capacity:</b>	1,000 - 6,400 kg/hour
<b>Feedlines:</b>	The unit can supply up to 3 filling lines with individual rennet dosing lines
<b>Pneumatic requirement:</b>	Minimum 6 bar
<b>Electrical consumption:</b>	Approx. 4 kW
<b>Materials:</b>	Stainless steel
CE certificate / EU norm	

## Machine

Mixing tank, with agitator and manhole  
 Buffer tank  
 Feed pump for cheese milk  
 CIP return pump  
 Feed pump for rennet including flowmeter control  
 Mixing preparation tank for rennet  
 Buffer tank for rennet  
 Full CIP cleanable unit from central CIP

## Options

Automatic auger feeders for GDL and salt  
 Heat-treatment of salt in auger feeder  
 CIP cleaning of augers  
 Sterile overpressure in mixing tank  
 Flavor dosing and mixing equipment inline before the filler  
 Inline rennet dosing and mixing  
 Filling guns to be installed on the feedline for filling into buckets or tins by an operator