

Fruit Juice Premix Production Time Down 95% to 3 minutes



At a Glance

What they wanted to do

- Significantly reduce premix time
- Increase production capacity
- Eliminate lumps
- Reduce processing stages

What were the success criteria

- Timely install to meet delivery schedule for new product
- Significant savings in processing time
- Improved product quality

What they accomplished

- Premix time reduced from 60 minutes to 3 minutes
- Completed 3 week order for 85,000lts in record time
- Lump free product

Customer

Grupo Jumex, based in Mexico City, is the largest producer of fruit juices, nectars and bottled drinks in Mexico. Catering for the Central and South American markets, they boast 10 brands in different flavours that target a large variety of demographics across the Americas.

Challenge

Grupo Jumex were launching a new brand “Mi Desayuno” and were anticipating significant sales of the new drink.

They needed to increase production and efficiency of their premix for the beverage to meet demand and to fully capitalise on the anticipated increase in sales.

The prior system, a time consuming 3 stage process to produce the beverage premix, needed to be replaced with a much faster more efficient process.

“Steam Infusion has reduced the processing time of our pre-mix from 60 mins to 3 mins; astonishing!”

Roberto Fernandez, Production Director, Grupo Jumex





came from the systems ability to entrain powders in line removing the need to pre slurry starches, soya protein powder and vitamin mixes.

The previous 3 stage process was reduced to 1 stage, as Steam Infusion mixes, homogenises, activates and heats ingredients in a very effective manner.

“We have immediately ordered more Steam Infusion systems for expansion work”

***Roberto Fernandez, Production Director,
Grupo Jumex***

Results

Steam Infusion has achieved astonishing results, reducing processing time and costs.

The innovative engineering in the Steam Infusion solution meant the pre-mix production time has been reduced by 95% to 3 minutes.

Furthermore OAL Group delivered to target on a tight installation schedule that allowed Grupo Jumex to meet their initial record 3 week order for the a 85,000 liters.

Solution

The OAL team installed a Steam Infusion system with the capability to entrain powders.

Major savings in processing time for the beverage,



OAL

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