

Bragging Writes

How We Make It Work Better

A case study presented by: **M.G. Newell**



A juice manufacturer dumps powders into the tops of blend tanks which are on a mezzanine about 15' high. Their process currently re-circulates pectin through an old-fashioned Tri-blender and tank arrangement. They say, "We don't have a mixing problem." Sound familiar? They *were* interested in a process to get pectin into solution more efficiently, however.



About the Author:

Robbie Roof has worked for M.G. Newell for almost 12 years. Robbie is our Sales Representative for South Carolina and Georgia. If you have questions about this application, please ask your M.G. Newell sales representative or contact Robbie directly at kevin.bennett@mgnewell.com.

Admix FastFeed to the rescue. With a rental unit setup completed, we spent the day testing the unit. The powders were a no-brainer. What once took hours was completed in minutes. With the demo breezing right along, we notice that they are pumping concentrates with a very large and inefficient diaphragm pump. After some discussion, we decide to add a tee on the suction side of the FastFeed and make a wand to see what the FastFeed will do with the concentrate. Well, we are able to pump the concentrate at a flow rate that is very close to their diaphragm pump, and certainly at an acceptable rate. Now we are handling pectin powder and concentrate. That's two birds with one stone! That's making it work better!

Some key points to consider for your mixing applications:

- Eliminate risk of injuries by powder handling on the floor.
- Eliminate particulates in bottom of tanks due to poor mixing.
- Get consistent batches with single pass.
- FastFeed makes any size batch – not limited to batch tank size
- Eliminate Tri-Blender (and sifting powder), diaphragm pump (dirty air) and large Breddo motors (bottom seals,

power savings). These save energy, maintenance, and down time.

- CIP FastFeed on same circuit as tank, lines, etc.
- Small footprint with no need for additional slurry transfer pump.
- Eliminate requirement for hot water to dissolve powders – saves energy.
- Do not have to waste time adding water to blend tank without inducting ingredients into the tank at the same time. Reduces batch times significantly.



Respectfully Submitted,

M.G. NEWELL CORPORATION

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