



Arbo Engineering
 3 Whitehorse Rd, Unit 4&5
 Toronto, ON M3J 3G8
 Canada

Tel (416) 636-7057 Fax (416)-630-9135
 Email info@arbo-feeders.com
<http://www.arbo-feeders.com>

Automated Micro Ingredient Dispensing Station

Each dispensing station can have up to ten different micro ingredient holding hoppers that can feed into one common traversing scale providing highly accurate and consistent batching of all ingredients according to your individual recipes.

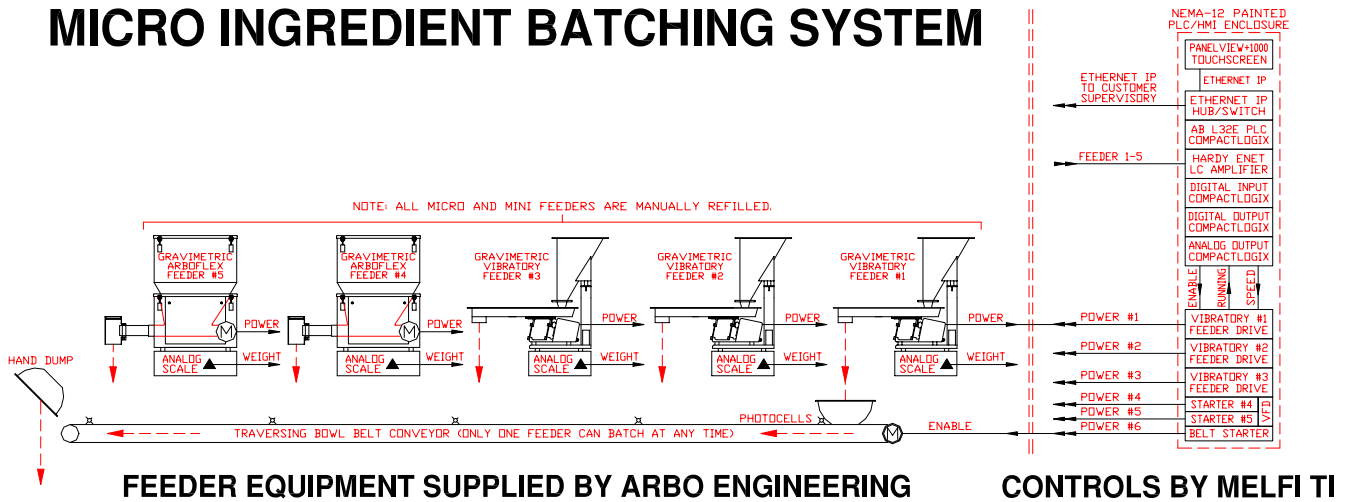
Furthermore; in today's food manufacturing, three (production) requirements have become very important issues;

- **Cross-contamination free production**
- **Allergen free production**
- **Ingredient and Lot tracking capabilities**

These requirements have all been addressed in our dispensing station.

ARBO Engineering and Melfi Technologies have collaborated on this new, inexpensive way to reach these goals. ARBO's LIW feeders together with Melfi's control technology can help you increase your production all the while ensuring that those three requirements are being met.

MICRO INGREDIENT BATCHING SYSTEM



Here's how it works:

- ARBO's feeders are mounted above a traversing bowl belt conveyor;
- Each feeder will accurately batch feed the required ingredient into the plastic bag lined scale container;
- The bowl moves from one ingredient feeder to the next;
- Indexing and logging is done by comparing photocell inputs to the recipe file in the PLC;
- Once all requested micro ingredients are batch fed into the scale container, the plastic bag is removed from the container and replaced with another for the next recipe. The filled bag is manually taken by the operator and is either dispensed into a mixer or labeled and stored off-line for future use.
- This process is repeated as many times as required. For example, enough containers/bags for a 24 hour production can be prepared this way. This is of course dependent upon the recipe and the volumes used in batch.

The dispensing station comprises any number of ingredient hoppers up to ten (10) hoppers each with a holding capacity of X liters. The food grade stainless steel hoppers are manually filled from above through a hinged lid.

Want to save even more? The belt conveyor can be replaced by an operator moving the bowls by hand. Photocells are no longer required and the control system can be simplified.

Call **ARBO** to discuss your application.
