



Kusel Finishing Table with 2M4-17N Agitator shown

## 2M4-17N AGITATOR

The 2M4-17N Finish Table Agitator is designed and built according to 3-A standards for the demanding applications in today's cheese plants.

### KEY FEATURES

- Built according to 3-A standards for superior sanitation.
- Simple open design for easy maintenance.
- Standard horizontal travel with stainless-steel chain drive.
- 2 wash-down duty, gear motors — one 3 HP for traverse and one 4 HP for stirring. Standard 208/230/460 volt with other options available upon request.
- Stainless-steel chain drive system for smooth operation and no belts or pulleys to adjust.
- All power wires located in an alligator cord track.
- No need for uncocking stops and mechanical limit switches for shifting. Sensors create smoother shifting and less wear and tear for increased motor, gear box and chain life. \*
- Variable speed motor controls \*\*
- Center stir available for filling table at center to move curd equally to each end of table for equal distribution to eliminate clumping. \*\*
- High speed reversing during unloading to maintain an even discharge rate for operators and downstream equipment. \*\*
- Unloading bite is easily adjustable by means of the level sensor through the PLC allowing infinite control over the amount of curd moved off the table to the next step of your process. \*\*

\*Available with the Basic Control Wiring & Full Electrical Controls

\*\*Available with the Full Electrical Control option only

### CONSTRUCTION

- All stainless-steel box tube frame with 14-gauge stainless-steel shroud.
- Stainless-steel track, yokes, carriage, and switch box.
- Carriage is all stainless-steel construction — carriage frame, paddle shaft, paddle holder and curd mover attachment bracket for long life in demanding applications.
- Agitator Mounts are stainless-steel box tube construction with double post at the rear end and bridge at the front end. A center double post, box tube mount is added to tables over 40 foot for additional stability.

### OPERATOR CONTROLS

- Two Operator Control Stations, one per side, that move with the carriage.
- Operator Control Stations designed with a wobble stick for easy reversing and E-Stop for easy accessibility and safety.
- Operator Control Stations have pitched tops and removeable pans underneath.
- Available with additional electrical wiring and control options based on customer preference (described on back side).



## 2M4-17N ELECTRICAL WIRING OPTIONS

### Full Electrical Controls

- Includes the Operator Control Stations.
- Includes PLC, VFD, switches, and proxies all wired to a Master Control Panel.
- Track Control Panel at the side end of the track. Consists of push buttons and selector switches for carriage stir and traverse.
- Stainless-steel Master Control Panel located at the rear end of the table. Used for incoming power as well as PLC, VFD, Powerflex 525, disconnect switch, control transformers, and fuse blocks.
- Red warning light on top of control panel to indicate faults for rapid response.
- Electronic shifting and unloading using a PLC for easy adjustment of timing sequences.
- All timing sequences are adjustable at PLC without the use of a laptop.
- Traverse and stir motors preset at factory with 3 speeds and are user adjustable.
- High speed reversing during unloading maintains an even discharge rate.
- Wash down duty sensors to adjust the stir and traverse speeds as the carriage approaches the end of the table
- Unloading bite is adjustable from 1/10 second to 25 seconds by means of the level sensor and PLC adjustment.
- Slow down sensors adjust the speed of the carriage and stirring at the ends.

### Basic Control Wiring

- Includes basic control wiring with proxies installed and ready for connection to customer's controls.
- Stainless-steel junction box enclosure at end of the track for power and control connections by customer.
- Slow down and stop-reversing proxies are installed and wired to terminal blocks in the junction box enclosure for easy connection to customer's control panel.
- Includes Operator Control Stations.

### Minimal Electrical Wiring

- Electrical wiring to power the agitator.
- Includes the Operator Control Stations.
- No control wiring.
- Stainless-steel junction box enclosure at end of the track for power and control connections by customer.

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## 2M4-17N ACCESSORIES & FORKERS

- **Curd Mover Bracket** – All stainless-steel construction. Attaches to the carriage for mounting an unloading blade.
- **Curd Unloading Blade** - Stainless-steel unloader blade with UHMV tip attaches to the Curd Mover Bracket.
- **ERHD-P Table Forker** – Rake style with skate and reinforced heavy duty 1-inch diameter rods. Fully polished and compliant with the 3-A standards.
- **EHD-P Table Forker** – Heavy duty design with 1-inch diameter rods and skate. Fully polished and compliant with the 3-A standards.
- **ERHD Table Forker** – Rake style with skate and reinforced heavy duty 1-inch diameter rods. Traditional industrial finish.
- **EHD Table Forker** – Heavy duty design with 1-inch diameter rods and skate. Traditional industrial finish.