Construction Data Sheet

All Moline equipment is designed and built for industrial production in wholesale bakeries and food plants on a 3-shift basis with regular maintenance per Moline guidelines. Two construction "levels" are offered to meet the diverse needs of the food processing industry. Variations within each level address major machine categories of: Mechanical Sanitation, Electrical Systems & Ratings and Operator and Maintenance Ergonomics.

Level 1 - Bakery Duty construction features allow for wet cleaning of the equipment product zone areas as described by BISSC and ANSI Z50.2. Non-product zone areas of equipment are to be cleaned via dry methods only, such as vacuuming.

Level 2 - Washdown Duty construction features allow for wet cleaning of the product zone and non-product zone areas of the equipment as described by BISSC and ANSI Z50.2. With special considerations, Level 2 equipment can be configured to meet rigorous 3-A dairy specifications and USDA standards.

Moline Level 1 - Bakery Duty

Typical Photos

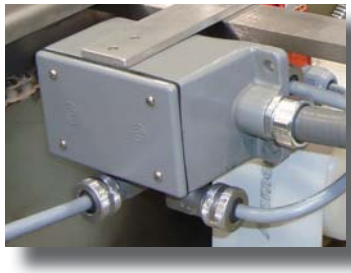
Nickel Plated Bearings

Painted Roller Actuators

Grease Manifold

Painted Motors, Stainless Coated Gear Reducers

Aluminum Conduit



Painted Junction Boxes

Moline Level 2 - Washdown Duty

Typical Photos

Stainless Bearings

Stainless Roller Actuators

Grease Manifold

Stainless Drive

Overhead Wiring Trough

Catch Pans

See Page 2 For Detailed Specifications

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Construction Data Sheet

Level 1 - Bakery Duty and Level 2 - Washdown Duty Construction Features Comparison Table

Description	Level 1 - Bakery Duty	Level 2 - Washdown Duty
Mechanical Sanitation		
Materials	Primarily TY 303/304 stainless steel. Aluminum 6061 T6. HDPE/Urethane Plastics.	Primarily TY 303/304 stainless steel. Aluminum 6061 T6. HDPE/Urethane Plastics.
Welds	Sanitary welds, no openings/crevices.	Continuous welds, no openings/crevices.
Design Standards	BISSC, ANSI, CE	BISSC, ANSI, CE, (USDA, 3-A Dairy if req'd)
Bearings	Corrosion resistant inserts, polymer housings.	Stainless steel inserts, polymer housings.
Motors	White food-grade epoxy coated (AC and DC).	Stainless steel frame (AC and DC).
Gearboxes	Gray painted coating (USDA/H1 compliant).	Stainless steel protective coating (USDA/H1 compliant) with clear epoxy final coat and stainless steel shafting.
Standoff Mounting	Included	Included
Roller Actuators	USDA/H1 Compliant Painted	Stainless Steel
Conveyor Belt Drive Rollers	Lagged	Rubber Coated
Belt Tension Release Mechanisms	Adjustable	Quick Release
Electrical Systems & Ratings		
Conduit & Fittings	Aluminum with aluminum conduit bodies.	Stainless steel with aluminum conduit bodies.
Local Junction Boxes (prod systems)	NEMA 4X (IP 66) stainless steel.	NEMA 4X (IP 66) stainless steel.
Remote Junction Boxes (prod systems)	NEMA 12 (IP 55) painted steel.	NEMA 4X (IP 66) stainless steel.
Junction Boxes (accessory equipment)	NEMA 4X (IP 66) stainless steel or aluminum.	NEMA 4X (IP 66) stainless steel.
Make-up Conveyor Automatic Wiring	Conduit Beneath Conveyors	Overhead Wiring Trough
Drip Drains	Included (stainless)	Included (stainless)
Component Ratings	NEMA 12 (IP 55)	NEMA 4X (IP 66)
UL Listing (for industrial control panels)	Available per UL E94592	Available per UL E94592
Operator & Maintenance Ergonomics		
Guarding	Viewing ports in key areas.	Viewing ports in key areas.
Guarding Design	Perforated sheet metal.	Perforated sheet metal.
Drive Roller Construction	Lagged.	Rubber coated.
Conveyor Beds	Solid slider with vacuum release ports.	Solid slider with vacuum release ports.
Bearing Lubrication	Centrally located grease manifold.	Centrally located grease manifold.
Catch Pans	Under scraper blades/tracking rollers and under gear reducers and bearings if needed.	Under scraper blades/tracking rollers and under gear reducers and bearings if needed.

Level 3 - Severe Washdown Duty is also available. Contact Moline for more information.

NOTE: Designs may vary. Listed are the typical components used.