

# Mepaco®

RELIABLE BY DESIGN



## SCREW CONVEYOR SYSTEMS

Screw feeders and surge loaders expertly designed for specific applications

## RELIABLE BY DESIGN

Reliability is the cornerstone that transcends our products and services. Great strides are taken to exceed expectations in production, quality, workmanship, longevity, safety, sanitary design and overall value. Reliability must be realized by all who come in contact with our products and services.



Clean-Sweep Surge Loader  
This system has an off-set agitator designed to clear the hopper of bulk product between batches

## PRODUCTION EFFICIENCY

**Positive elevation with the flexibility that delivers your production goals**

Mepaco's Surge Loading Systems offer a variety of options and capacities to allow efficient and effective product formulation. Systems are designed for full bulk product containment and rugged sanitation. Our engineers work with your production experts to examine all project parameters in order to design a system that minimizes space while maximizing flexibility for product formulations and production goals.



Gravity Hopper  
Designed for Bulk Dry Food Metering



Incline Articulating Conveyor with a 16" screw, magnetic safety grate, horizontal pivot and vertical elevation

**Mepaco**<sup>®</sup>

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## DESIGNED FOR SPECIFIC APPLICATIONS

Mepaco also has expertise with customizable equipment solutions including auger carts and pumping systems, gravity hoppers, dumpers, lifts and platforms.

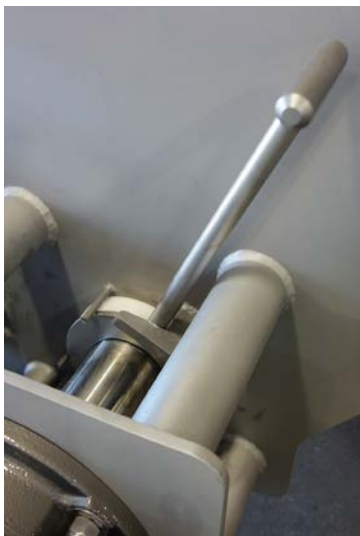


## OPTIONAL EQUIPMENT

- Hopper Designs: Offset (clean-sweep) or traditional
- Manual or pneumatically controlled safety grating
- Contoured, solid or domed grated covers
- Clean-sweep designs
- Dual screw elevators
- Insulation and cladding
- Thermal screws
- Load cells
- Single or dual agitators
- Bead blast (standard), pickle passivated or electropolished surfaces
- Gear box mounting styles: Flange mount, shaft mount with torque arm, or chain and sprocket
- Pivoting screw or drop-down conveyor design
- Cut flighting for pre-breaking
- CIP / Sprayballs
- Heating or chilling jackets
- Reversing horizontal screws



Inclining screw feeder system with multi-position discharge chute



Quick Release Seal



Clean Sweep Agitator Design



Coupled motor drive shaft



Load Cells

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Mepaco's Surge Loaders and Screw Conveyor systems have served many food processing industries:

Baking & Snack

Dairy

Fruits & Vegetables

Meat & Poultry

Pet Food

Prepared Foods

Ready-to-eat

Applications:

Metering

Reversing

Formulating

Thermal Processing

## SANITARY CONVEYORS

Mepaco provides belt conveyor designs that are engineered for specific applications, including:

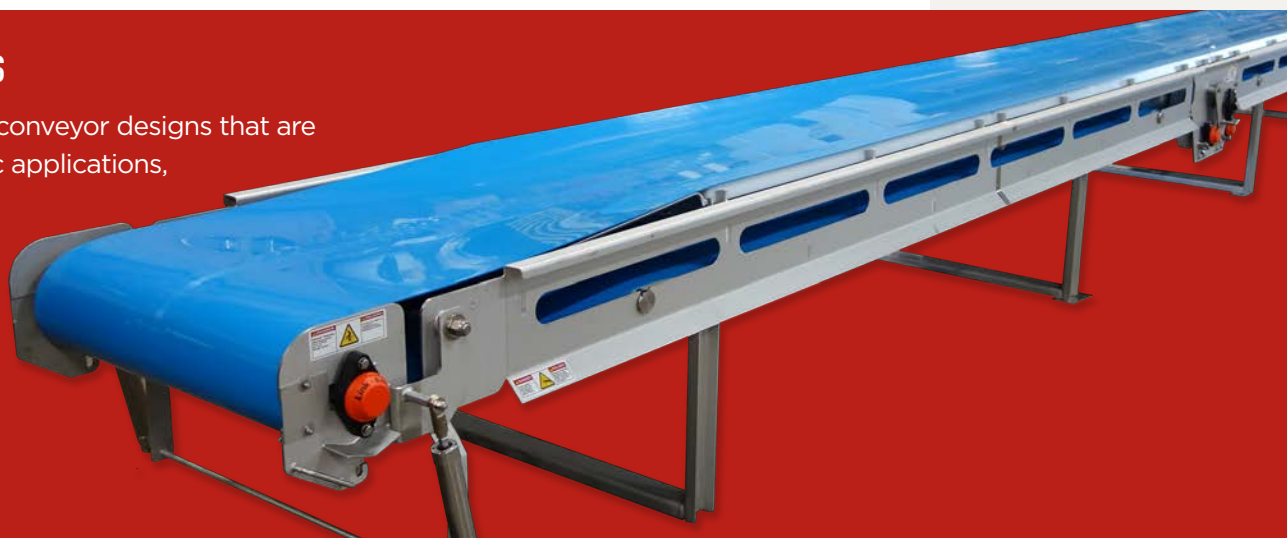
Flighted Conveyors

Metered Systems

Bulk Handling

Trough Conveyors

Integration with required equipment



# APPLICATION EXPERTISE

## TRADITIONAL SURGE LOADER

Constructed with standard 304 stainless material and pickle passivated finish with closed covers



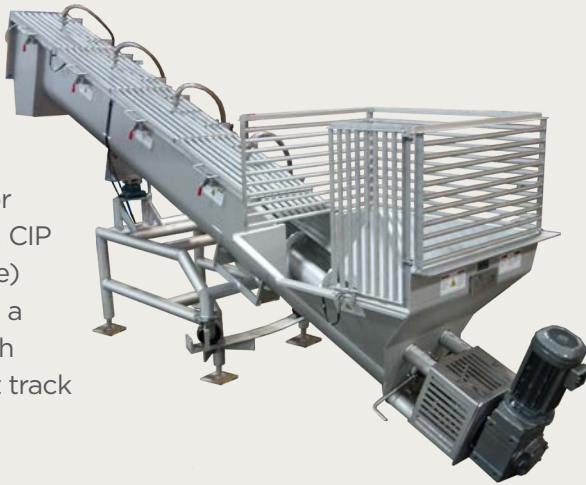
## THERMAL SCREW

Inclining screw conveyor system with indirect heating of product through thermal screw technology



## SCREW ELEVATOR WITH CIP

Screw Elevator designed with CIP (clean-in-place) capability and a fixed base with elevated pivot track



## HIGH CAPACITY LOADER

Hopper in this system was designed with extended side walls for high capacity loading



## SCREW CONVEYOR LINES

Horizontal bulk transport screw conveyor designed with a thermal screw for indirect heating and cooling; featuring loading / discharge chutes and pneumatic covers



## PNEUMATIC PIVOT SCREW CONVEYOR

Screw incline conveyor designed for pneumatic side-to-side adjustment and featuring open grating covers



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OSHA  
PIP (Process Industry Standards)  
ASME



SPECIALISTS IN: GRINDING & BLENDING | PUMPING & STUFFING | THERMAL PROCESSING | MATERIAL HANDLING | SYSTEM INTEGRATION