

THE MPE  
**CHAIN-VEY®**  
 TUBULAR DRAG CONVEYOR

CONVEYS COFFEE PRODUCTS GENTLY,  
 EFFICIENTLY, HORIZONTALLY AND  
 VERTICALLY IN A DUST-TIGHT  
 ENVIRONMENT WITHOUT BEAN OR GRANULE  
 DEGRADATION OR DECLASSIFICATION

**CHAIN-VEY® BENEFITS:**

MINIMIZES BEAN BREAKAGE,  
 DEGRADATION AND PARTICLE  
 DECLASSIFICATION (SEGREGATION)

FLEXIBLE: COMBINES HORIZONTAL AND  
 VERTICAL TRANSPORT IN ONE SYSTEM

CIP (CLEAN-IN-PLACE) CAPABILITIES  
 FOR OPTIMUM SANITARY CONDITIONS

ENERGY EFFICIENT

SUPERIOR CONVEYING



**CHAIN-VEY® VS. OTHER COFFEE CONVEYING METHODS**

CONVEYOR DESIGN FEATURES	MAINTAINS PARTICLE DISTRIBUTION (INTEGRITY)	AIR / DUST TIGHT	CLEAN-IN-PLACE (CIP)	ENERGY EFFICIENT	EXTENDED LENGTH CAPABILITY	LOW / NO MAINTENANCE	MULTIPLE INLETS / DISCHARGES
CHAIN-VEY®	✓	✓	✓	✓	✓	✓	✓
AUGER/ELEVATOR						✓	
BUCKET ELEVATOR	✓			✓			✓
DENSE PNEUMATIC		✓			✓		✓
DILUTE PNEUMATIC		✓			✓		✓

**STANDARD AND CIP  
 TYPICAL CHAIN-VEY® APPLICATIONS**

**FOOD**

Barley	Cocoa	Cookie	Fruit: Dried	Jelly Beans	Oats: Steel Cut	Soluble Corn Fiber	Vitamins: Powdered
Bread Crumbs	Coffee: Green	Crumbs	Fruit: Frozen	Krill Oil	Pepper	Soup Mix	Wheat
Brown Sugar	Coffee: Ground	Crackers	Hard Candy	Milk/Meal	Rice: Dried	Spices	
Cereal	Coffee: Roasted	Flour: Corn	Hops	Oats: Rolled	Rice: Puffed	Tea	
Cheese Powders	Coffee: Whole Bean	Flour: Wheat	Ingredients	Oats: Instant	Snack Foods	Vegetables: Frozen	

**BEANS / NUTS / SEEDS**

Almonds	Grains / Seeds	Lentils	Oil Seeds	Peanuts: Roasted	Walnuts
Black Beans	Great Northern Beans	Lima Beans	Pecans	Pinto Beans	
Cocoa Beans	Kidney Beans	Navy Beans	Peanuts: Blanched	Soy Beans	

**PET FOOD**

Chicken Meal	Fish Food	Raw Ingredients
Dry Food	Fish Meal	Treats
Fines / Add backs	Horse Feed	Whole Kibble

**CHEMICAL**

Biomass (Torrefied)	Coke	Fertilizer	Sodium Bicarbonate
Calcium Carbonate	Detergent	Flake Resin	
Calcium Hydrate	Feed Phosphate	Pesticide	

**MINERAL**

Activated Carbon	Ash	Clay	Coal: Dried	Sintered Dust
Activated Coal Ash	Bentonite Clay	Coal	Graphite	Talcum Powder
Alumina Hydrate	Carbonate	Coal: Brown	Limestone	

**OTHER**

Latex	Pigments	Shredded Waste	Wood Chips
Litter	Plastics	Tobacco	
Pellets	Sawdust	Wax Flakes	

Don't see your specific application?

Contact a MPE Sales Engineer in order to set up product feasibility testing at our Full Scale Chain-Vey Lab located in Chicago, IL U.S.A.

**CHAIN-VEY®**  
 A DIVISION OF MODERN PROCESS EQUIPMENT CORPORATION

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MODERN PROCESS EQUIPMENT CORPORATION



THE COFFEE INDUSTRY'S  
**LEADING SYSTEM  
 FOR CONVEYING**

GREEN COFFEE, ROASTED WHOLE BEAN,  
 AND GROUND COFFEE



**THE  
 BETTER  
 WAY TO CONVEY  
 COFFEE**

**WWW.CHAINVEY.COM**

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## THE REVOLUTIONARY SOLUTION

FOR EFFICIENT AND GENTLE CONVEYING OF COFFEE IN A SANITARY AND AIR-TIGHT ENVIRONMENT

### CHAIN-VEY CONFIGURATION WITH MULTIPLE INLETS AND DISCHARGE(S) UP TO 250 FT. AWAY

#### ROTARY DISCHARGE VALVE

Pneumatically actuated rotary valve allows for unobstructed product discharge



#### 180° DRIVE UNIT

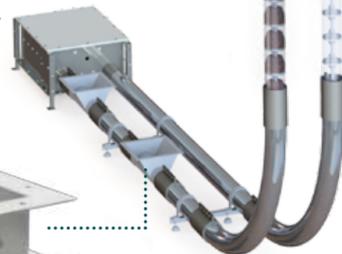


#### CONNECTION LINK

All Nylock hardware with integrated polyurethane wiper disc and UHMW wear plate

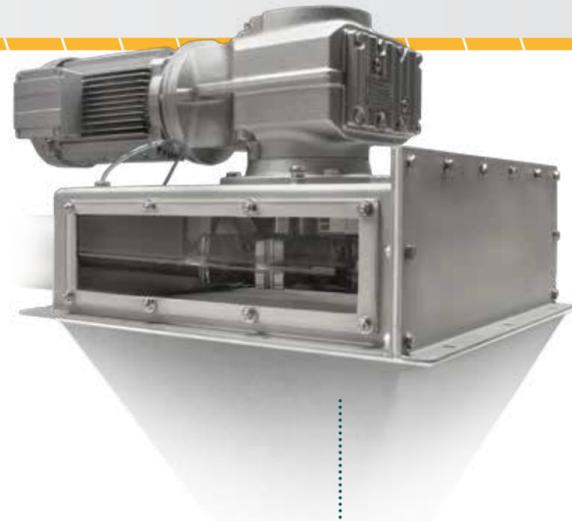


#### 180° TURNAROUND



#### PRODUCT INLET

With optional flow baffle



### PROTECT & CONVEY YOUR COFFEE

- Sanitary, FDA-approved materials feature UHMW discs on stainless steel chain or ultra high-strength hardened alloy steel chain.
- Customize your conveying capacities from 12,000 to 50,000 lbs/hr.
- To handle whole bean mass over long distance runs, all chain has an ultimate tensile strength of over 16,000 lbs.

### CHOOSE YOUR CONVEYING

## CAPACITY

**6 IN. 5 IN. 4 IN. 3 IN.**

1,400 ft<sup>3</sup>/hr (40 m<sup>3</sup>/hr) 1,000 ft<sup>3</sup>/hr (28 m<sup>3</sup>/hr) 650 ft<sup>3</sup>/hr (18 m<sup>3</sup>/hr) 280 ft<sup>3</sup>/hr (8 m<sup>3</sup>/hr)



RELIABLE

## SUPERMAX

### CONNECTOR LINK SYSTEM

### THE BETTER DESIGN FOR BETTER COFFEE

At MPE, we understand the requirements of producing a better coffee product. That's why the MPE Chain-Vey® is designed to provide a superior, gentle and long lasting solution for both immediate and future conveying needs.

Featuring a safe and sealed environment, the MPE Chain-Vey® protects the loss of valuable volatiles and aromatics and allows for air-tight conveying to avoid oxidation.

When running subsequent batches and multiple

types of coffee in the same line, the MPE Chain-Vey® eliminates cross-contamination, bean breakage and particle declassification to ensure true product results.

Self-cleaning abilities and standard wiper discs also prevent stale coffee buildup and unsanitary conditions with each revolution.

With a smaller footprint, lower energy usage and less maintenance requirements, the MPE Chain-Vey® makes a great addition to any site.

### BETTER COFFEE REQUIRES A BETTER SOLUTION BETTER COFFEE REQUIRES THE MPE CHAIN-VEY



## TOTAL SYSTEM SOLUTIONS

- Bi-directional design doubles capabilities through more efficient system configurations
- Combines vertical and horizontal transport in one system for optimal flexibility
- Extended system length capabilities: Up to 250 ft. of coffee conveying distance
- Link-chain design enables directional changes on multiple planes
- Product design allows custom configurations with multiple inlets and discharges

### COMPARE OUR SYSTEM →

### LET US HELP

Ask about our free product testing and system design capabilities: **1.773.254.3929** • [INQUIRY@CHAINVEY.COM](mailto:INQUIRY@CHAINVEY.COM)