

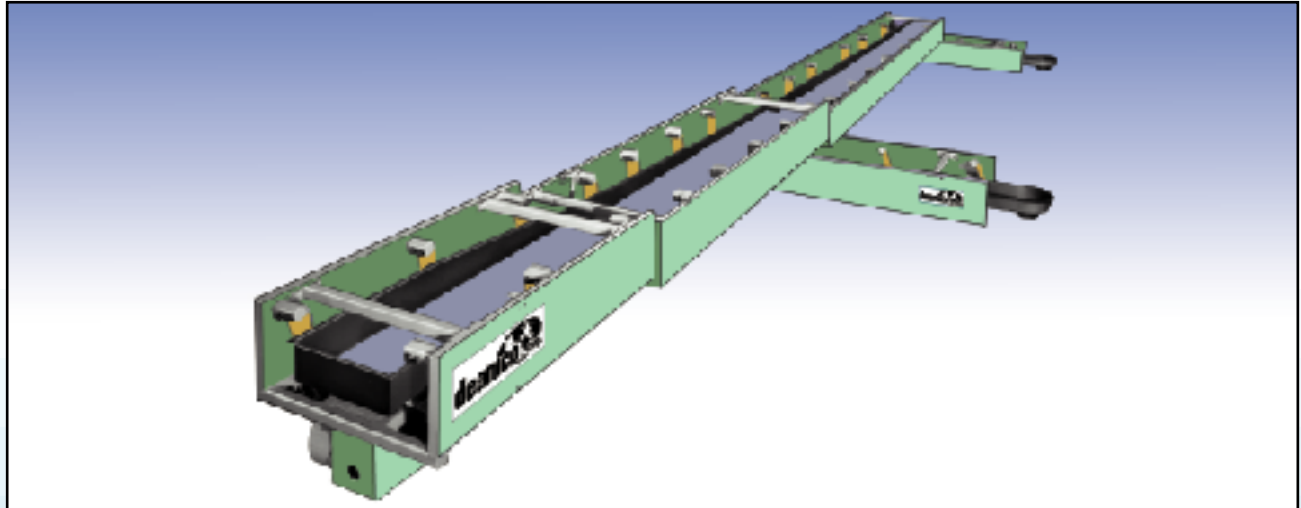


## VIBRA-TRAN (VT-F and VT-U Series)

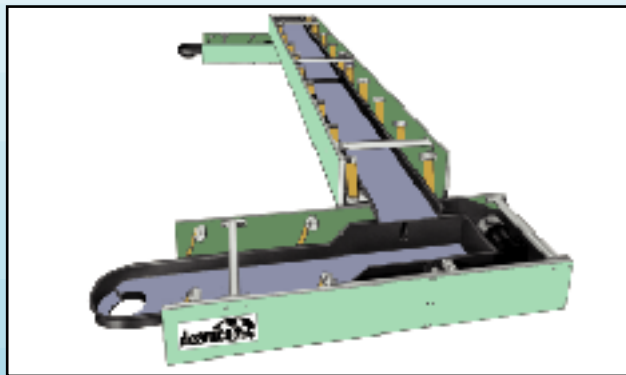
Simultaneous Vibratory Conveying and Distribution System of product to weighing and packaging machines.

### DEAMCO MODULAR VIBRATORY DISTRIBUTION SYSTEMS

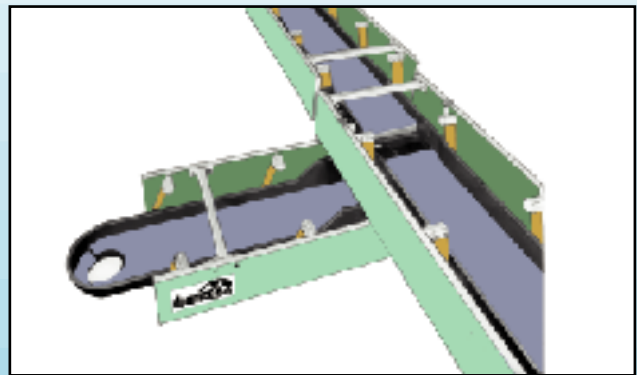
For the simultaneous conveying and distribution of product from one or more sources to one or multiple packaging machines, hoppers, mixers or other use points, on demand without return of product for re-run.



VIBRA-TRAN MODULES feeding Cross Vibratory Conveyor/Feeders



VIBRA-TRAN MODULES feeding Cross and End Vibratory Conveyor/Feeders



VIBRA-TRAN MODULE feeding Cross Vibratory Conveyor/Feeder through sliding pneumatic controlled discharge gate

### DESCRIPTION

The Vibra-Tran concept is a fully automated modular vibratory conveying and distribution system, supplying product (Free, semi free, and non free flow or fragile products) to weighing and packaging machines upon demand from each requiring station.

### APPLICATION

The Vibra-Tran System is engineered, manufactured and positioned such to supply products to receiving stations of weighing and packaging machines.

The System automatically discharges product to receiving stations upon demand and simultaneously replenishes itself and maintains product availability at all times to deliver to any station upon requirement.

### ADVANTAGES/FEATURES

- ▲ Instantaneous delivery of products, eliminating starvation, which improves packaging machines net weights.
- ▲ Product is delivered in a First-In/First-Out basis. Eliminating recirculation which causes product degradation.
- ▲ System is capable of multiple discharge stations with diverse discharge rate requirements.
- ▲ Any combination of discharge stations can be shut down without affecting remaining stations in the system.
- ▲ System can be expanded by additional modular units.

### DESIGN, ENGINEERING & ASSOCIATED MANUFACTURING COMPANY

6520 East Washington Blvd., City of Commerce, CA 90040-1822

Toll free (800) 933-2620 or (888) 933-2620 • Phone (323) 890-1190 • Fax (323) 890-1139 • www.deamco.com • email: deamco@deamco.com



## GENERAL CONSTRUCTION

### FRAME

Sanitary construction meets USDA, FDA and other governmental standards. The construction lends itself to visual inspection, safety in operation, maintenance and easy access for cleaning.

### COUNTER BALANCE

A complete range of counter balancing and/or isolation options are available in dynamic, kinetic, spring or pneumatic designs to reduce or eliminate dynamic reactions. Dynamic or kinetically counterbalanced designs are recommended for suspended or elevated units. The reduction in transmitted vibration achieved by these designs are reflected in reduced support structures.

### TROUGH

One piece sanitary trough construction for easy cleaning and maintenance. (Available in mild steel, aluminum, stainless steel and a variety of coatings.)

FLOW RATE: Up to 6,000 cubic feet per hour  
 LENGTH: Up to 100 feet  
 WIDTH: Up to 60 inches

### DISCHARGE GATES

Pneumatic Bottom Discharge Gates with Centralized Pneumatic Control Panel, Manual or Automatic Operation.

### LEG SPRINGS

“Scotch Ply” fiberglass epoxy laminated. The natural frequency leg spring system reduces operating stress and power consumption.

### MOTOR and DRIVE

Combination of electric motor and positive eccentric bearing system with simple and ruggedly manufactured drive mechanism minimizes moving parts, reduces maintenance and operating costs.

### BEARINGS

Sealed, lubricated, self aligning ball bearings and eccentric with hanger arm and connecting head.

### SUPPORTS OPTIONS

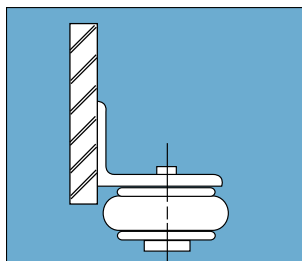
Custom designed support for various applications.

- COVERS** Available in standard and customized configurations with a variety of steel, plastic and other materials
- SCREENS** For dewatering, separating and sizing. Louver type trays for cooling and heating.
- TROUGHS** Other customized troughs available.

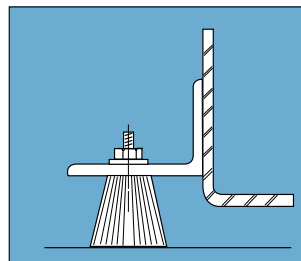
## VT-F (FLOOR MOUNTED) and VT-U (UNDERSLUNG MOUNTED) Series

MODELS	TRAY WIDTH IN INCHES	CAPACITY CU. FT. PER HOUR		TRAY LENGTH (TL)	ISOLATION MOUNTS			
	(T)	4" (TD)	6" (TD)		A	I	S	P
VT-F or U-8	8"	300	400	As Required	Air Mounts	ISO-Cones	Springs	ISO-Pads
VT-F or U-12	12"	450	600					
VT-F or U-14	14"	525	700					
VT-F or U-16	16"	600	800					
VT-F or U-18	18"	675	900					
VT-F or U-24	24"	900	1200					
VT-F or U-30	30"	1125	1500					
VT-F or U-36	36"	1350	1800					

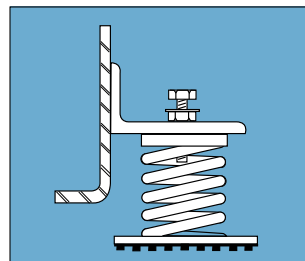
## ISOLATION MOUNTS



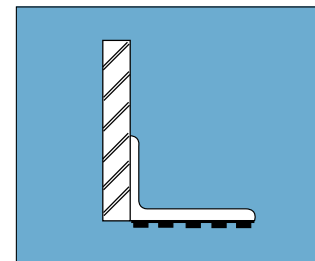
**AIR MOUNTS**



**ISO-CONES**



**SPRINGS**



**ISO-PAD**

\* DIMENSIONS ARE APPROXIMATE, NOT FOR FABRICATION.  
 SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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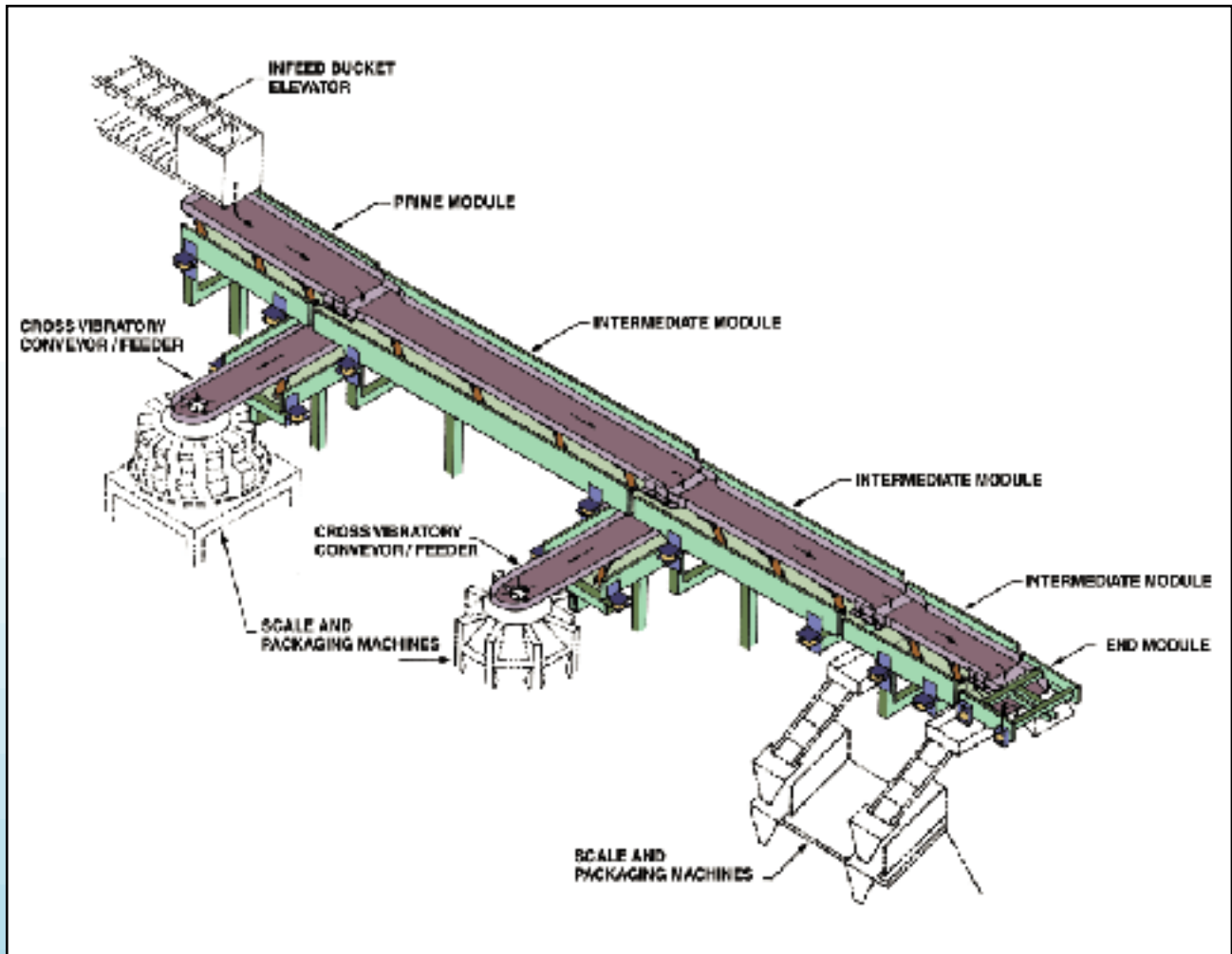
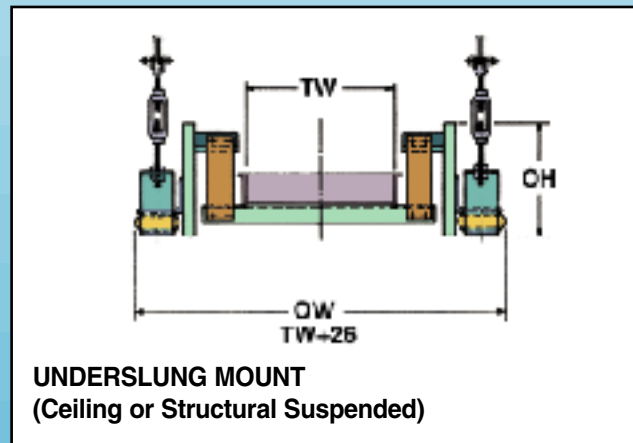
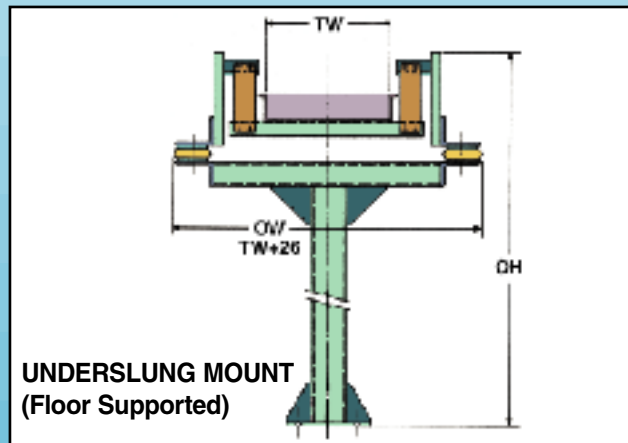


ILLUSTRATION: VIBRA-TRAN Distribution System to weighing and packaging machines.



Floor supported or ceiling suspended structures are available to suit the needs of existing or new plants. Walk-way, railing, and staircases can be provided as part of the support structure resulting in a substantial cost saving of equipment and erection.

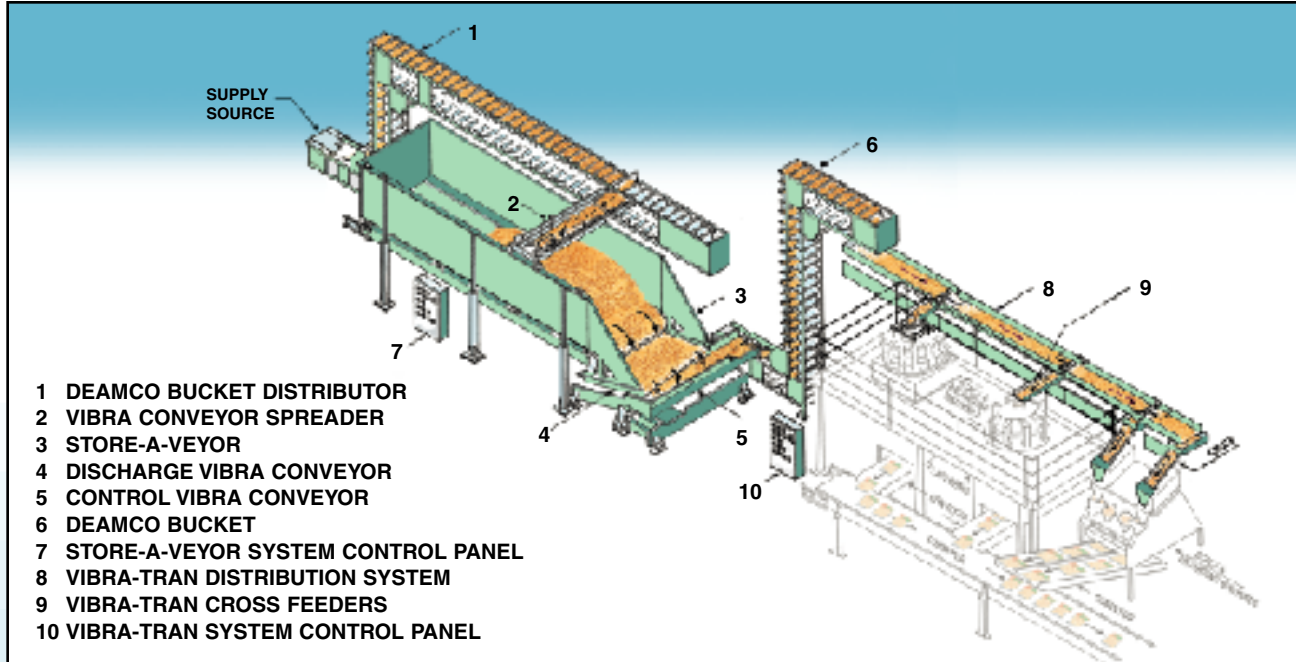
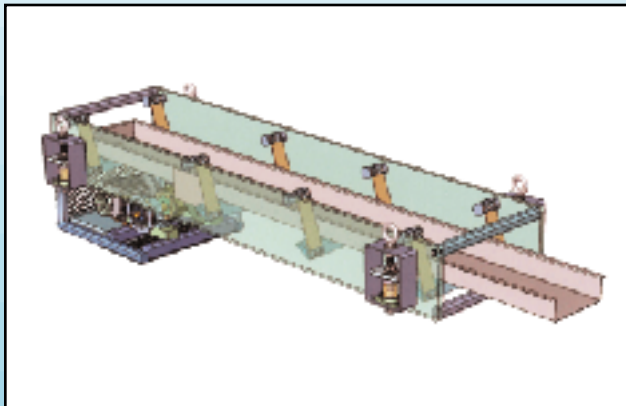
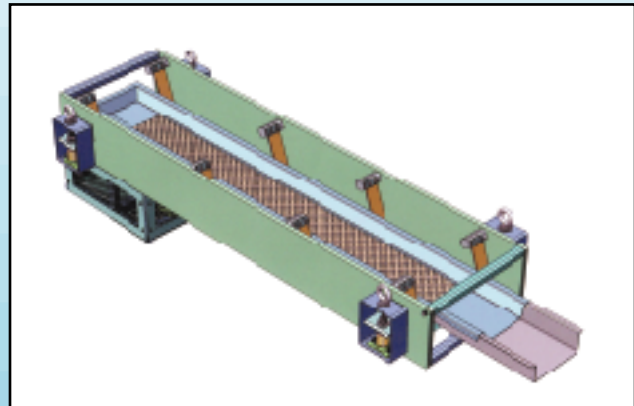


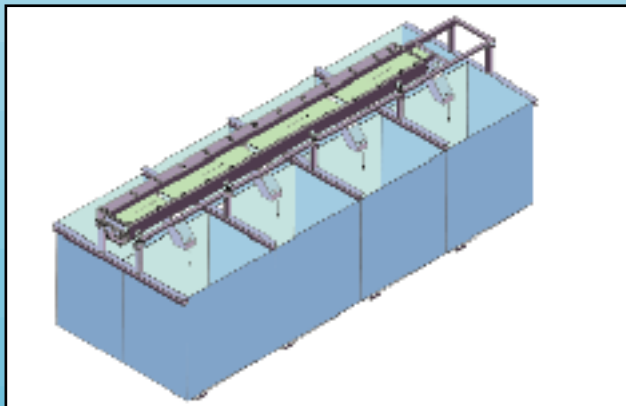
ILLUSTRATION: SAV-T, Automated Storage System and VIBRA-TRAN Automated Distribution System shown.



MODEL VCNF-U SERIES



MODEL VCNF-U SERIES WITH MESH SCREEN



VIBRA CONVEYOR – VCNF-U SERIES  
FEEDING NUMEROUS STORAGE BINS

For handling or processing solutions throughout your plant contact DEAMCO. DEAMCO custom designs vibratory, belt and bucket elevator conveying systems, as well as, automated bulk storage and distribution system to meet your needs.