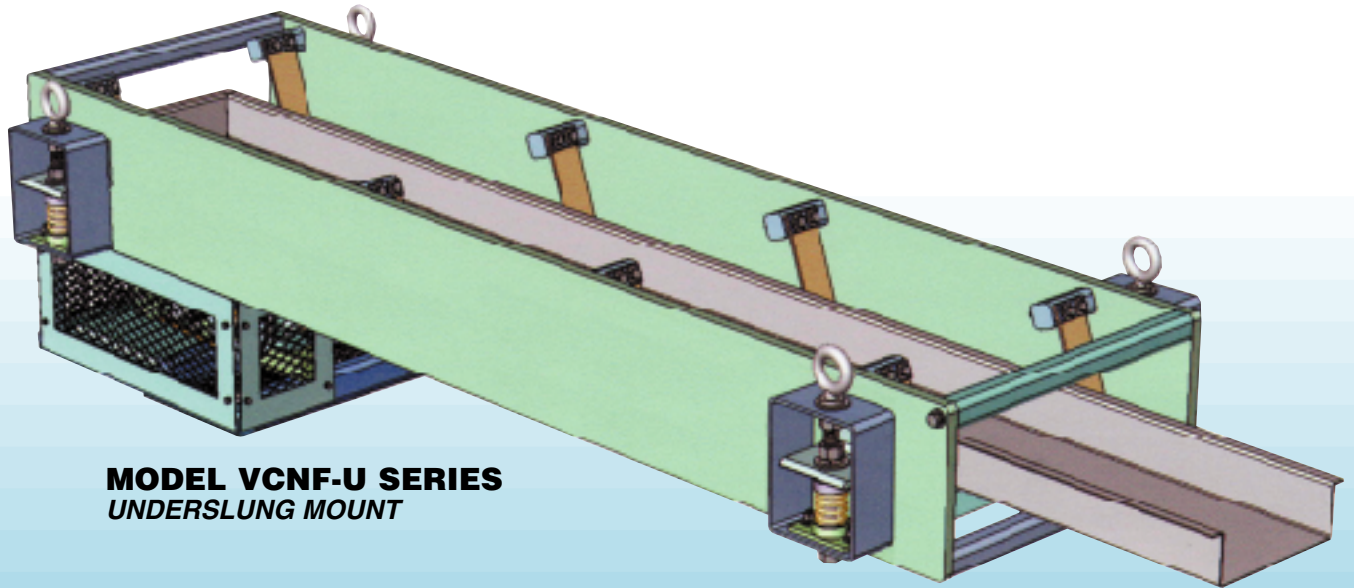


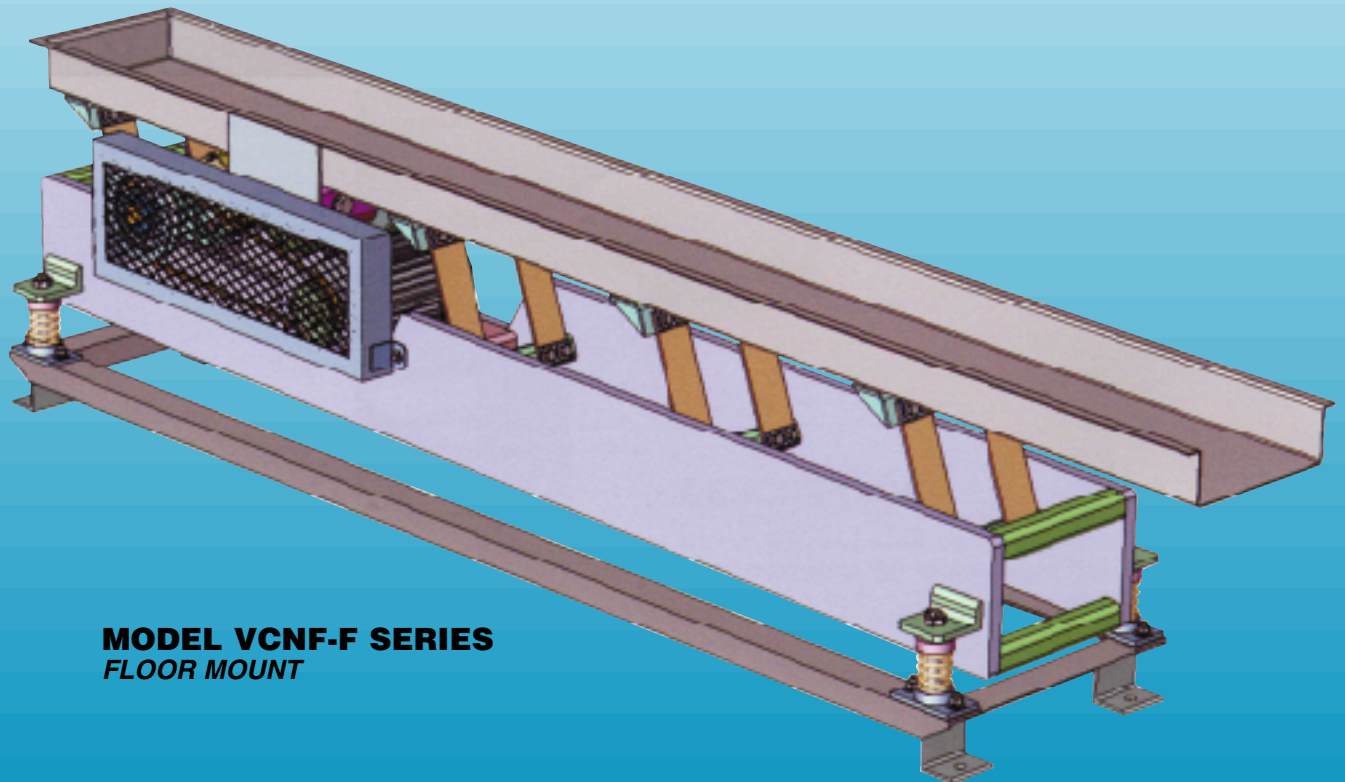


Vibratory Conveyors/Feeders

**NATURAL FREQUENCY AND
KINETICALLY BALANCED DESIGNS**



MODEL VCNF-U SERIES
UNDERSLUNG MOUNT



MODEL VCNF-F SERIES
FLOOR MOUNT

DESIGN, ENGINEERING & ASSOCIATED MANUFACTURING COMPANY

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Vibratory Conveyors/Feeders

NATURAL FREQUENCY

AND KINETICALLY BALANCED DESIGNS

DESCRIPTION

DEAMCO VIBRATORY CONVEYOR/FEEDER is a natural frequency, kinetically balanced unit ruggedly designed and manufactured for continuous operation.

The unit moves, screen, separates, dewater, cools and is capable of performing other requirements for bulk materials quietly, gently with minimum degradation and with cost efficient methods.

The designs, innovations, manufacturing and application of these DEAMCO VIBRATORY CONVEYOR/FEEDERS have included over 40 years of experience and have become standards in a variety of processing industries such as food, chemicals, agricultural, steel, wood, plastics and others.

APPLICATION

DEAMCO VIBRATORY CONVEYOR/FEEDERS are designed and manufactured for various applications and types of installations to transport a variety of free flow bulk materials in dry, semi-dry and moist conditions.

The units are adaptable for delivery of products to multiple locations from a single or multi-source of supply through a variety of controlled discharge gates and stations.

ADVANTAGES/FEATURES

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 counterbalancing and/or isolation options are available in dynamic, kinetic and/or 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 other coatings.)

FLOW RATE: Up to 6,000 cubic feet per hour

LENGTH: Up to 100 feet

WIDTH: Up to 60 inches

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 bearing and eccentric with hanger arm and connecting head.

SUPPORTS

Custom designed support for various applications.

OPTIONS

COVERS

Available in standard and customized configurations with a variety of steel, plastic and other materials.

DISCHARGE GATES

- Pneumatic Bottom Discharge Gates
- Centralized Electro Pneumatic Control Panel
- Automatic Operation
- Manual Operation

SCREENS

- For dewatering, separating and sizing.
- Louver type trays for cooling and heating.
- Other customized troughs and screens available.

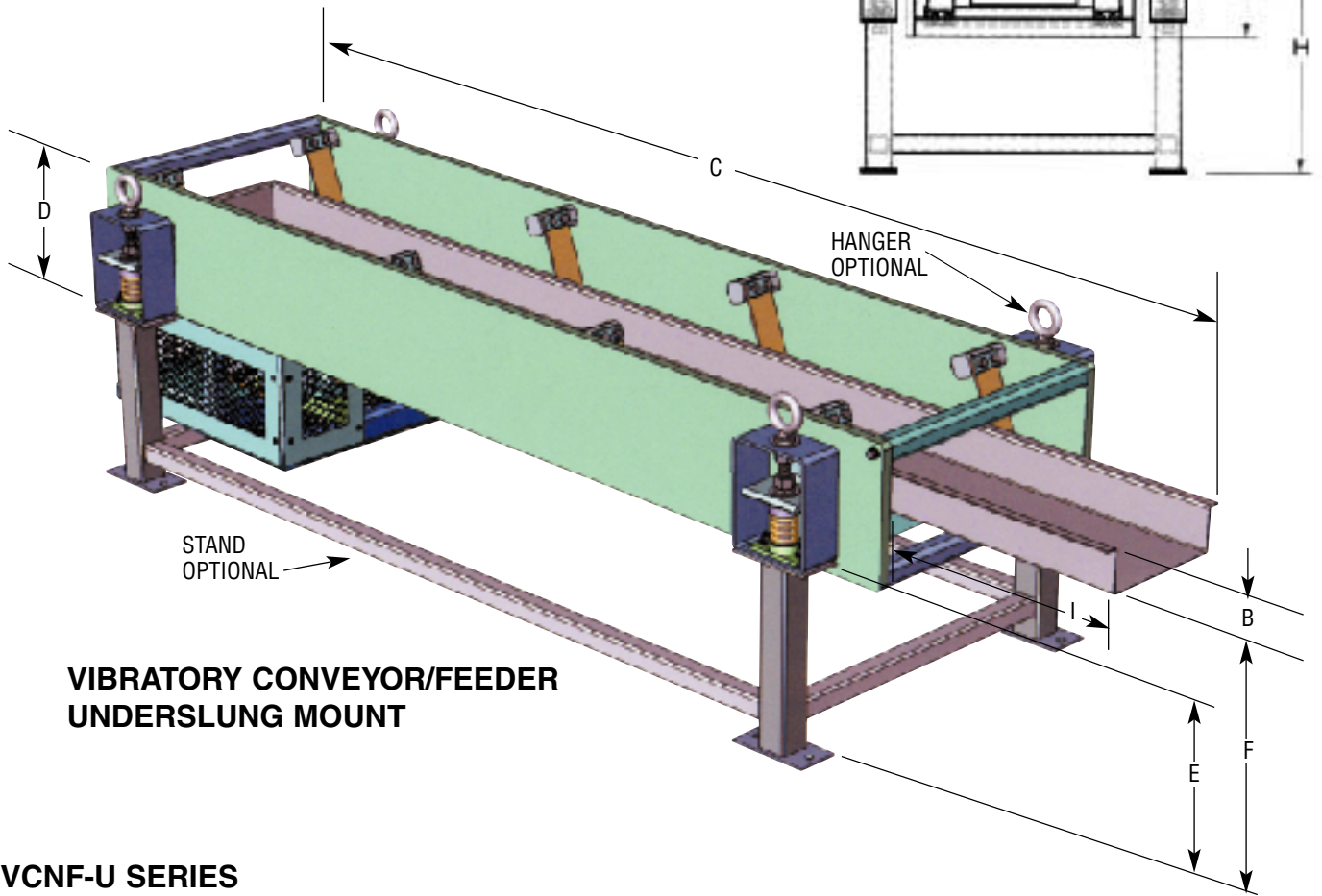
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VIBRATORY CONVEYOR/FEEDER "UNDERSLUNG"



**VIBRATORY CONVEYOR/FEEDER
UNDERSLUNG MOUNT**

VCNF-U SERIES

MODELS	CAPACITY CU/FT/HR		A	B	C	D	E	F	G	H	I
	4" TRAY DEPT	6" TRAY DEPT									
VCNF-F8	300	400	8"	4" or 6"	5'-0"	13"	1'-7"	1'-6"	2'-9"	2'-5"	1'-0"
VCNF-F10	400	500	10"	4" or 6"	5'-0"	13"	1'-7"	1'-6"	2'-11"	2'-5"	1'-0"
VCNF-F12	450	600	12"	4" or 6"	5'-0"	13"	1'-7"	1'-6"	3'-1"	2'-5"	1'-0"
VCNF-F14	525	700	14"	4" or 6"	5'-0"	13"	1'-7"	1'-6"	3'-3"	2'-5"	1'-0"
VCNF-F16	600	800	16"	4" or 6"	5'-0"	13"	1'-7"	1'-6"	3'-5"	2'-5"	1'-0"
VCNF-F18	675	900	18"	4" or 6"	5'-0"	13"	1'-7"	1'-6"	3'-7"	2'-5"	1'-0"
VCNF-F24	900	1200	24"	4" or 6"	5'-0"	13"	1'-7"	1'-6"	4'-1"	2'-5"	1'-0"
VCNF-F30	1125	1500	30"	4" or 6"	5'-0"	13"	1'-7"	1'-6"	4'-7"	2'-5"	1'-0"
VCNF-F36	1350	1800	36"	4" or 6"	5'-0"	13"	1'-7"	1'-6"	5'-1"	2'-5"	1'-0"

Dimensions shown are in imperial (inches).

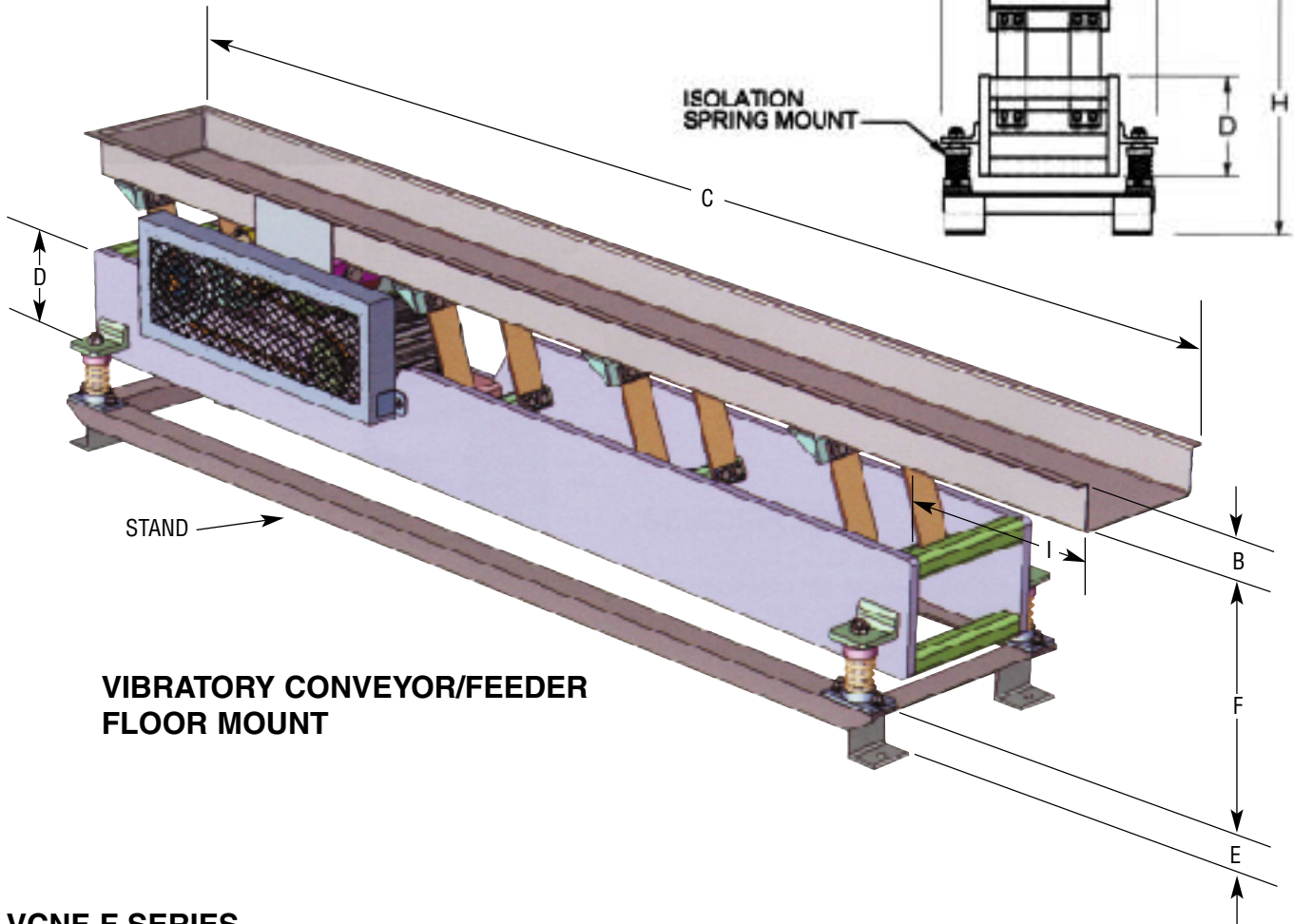
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VIBRATORY CONVEYOR/FEEDER
“FLOOR MOUNT”



VIBRATORY CONVEYOR/FEEDER
FLOOR MOUNT

VCNF-F SERIES

MODELS	CAPACITY CU/FT/HR		A	B	C	D	E	F	G	H	I
	4" TRAY DEPT	6" TRAY DEPT									
VCNF-F8	300	400	8"	4" or 6"	5'-0"	10"	4-1/2"	1'-6"	1'-6"	2'-2 1/2"	1'-0"
VCNF-F10	400	500	10"	4" or 6"	5'-0"	10"	4-1/2"	1'-6"	1'-8"	2'-2 1/2"	1'-0"
VCNF-F12	450	600	12"	4" or 6"	5'-0"	10"	4-1/2"	1'-6"	1'-10"	2'-2 1/2"	1'-0"
VCNF-F14	525	700	14"	4" or 6"	5'-0"	10"	4-1/2"	1'-6"	2'-0"	2'-2 1/2"	1'-0"
VCNF-F16	600	800	16"	4" or 6"	5'-0"	10"	4-1/2"	1'-6"	2'-2"	2'-2 1/2"	1'-0"
VCNF-F18	675	900	18"	4" or 6"	5'-0"	10"	4-1/2"	1'-6"	2'-4"	2'-2 1/2"	1'-0"
VCNF-F24	900	1200	24"	4" or 6"	5'-0"	10"	4-1/2"	1'-6"	2'-10"	2'-2 1/2"	1'-0"
VCNF-F30	1125	1500	30"	4" or 6"	5'-0"	10"	4-1/2"	1'-6"	3'-4"	2'-2 1/2"	1'-0"
VCNF-F36	1350	1800	36"	4" or 6"	5'-0"	10"	4-1/2"	1'-6"	3'-10"	2'-2 1/2"	1'-0"

Dimensions shown are in imperial (inches).

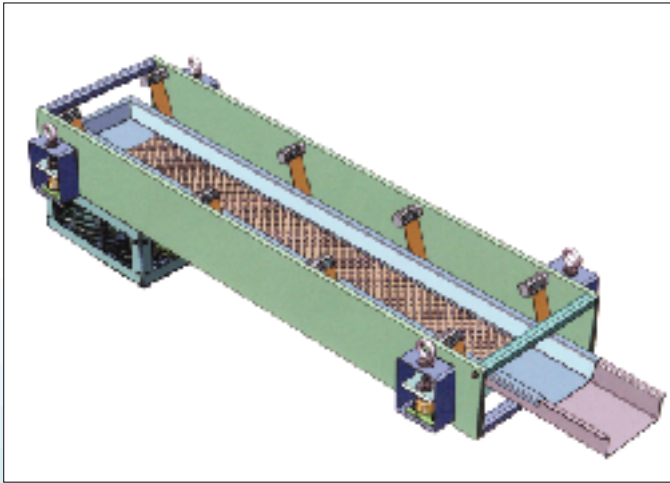
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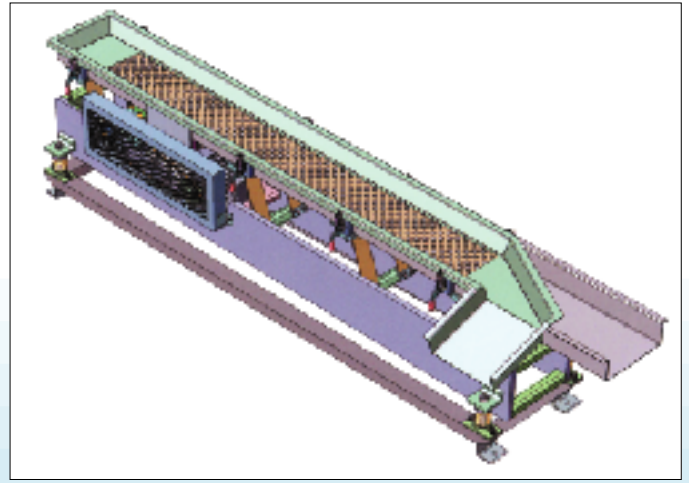
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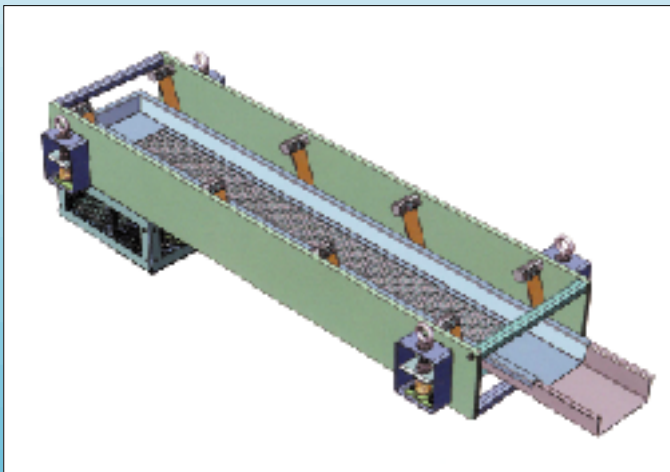
VIBRATORY CONVEYOR/FEEDER
"SCREENS – LOUVERS – COVERS"



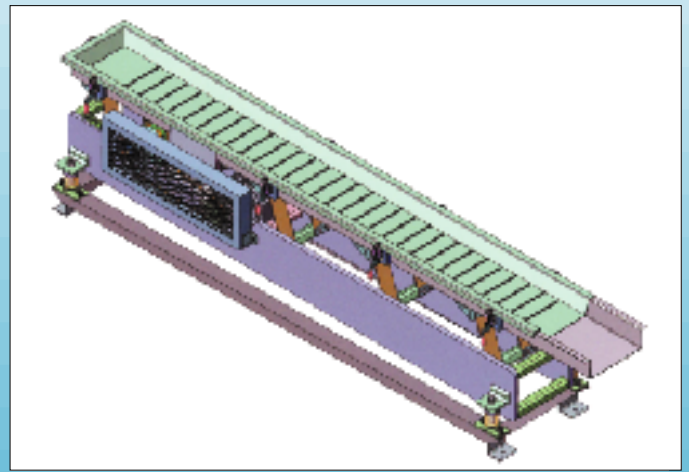
VCNF-U WITH PERFORATED SCREEN



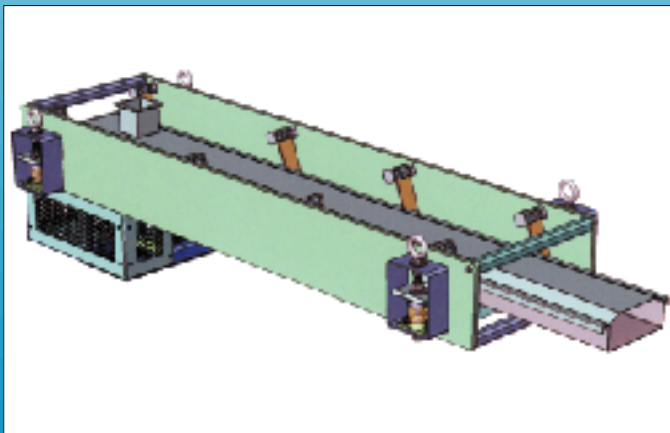
VCNF-F WITH PERFORATED SCREEN



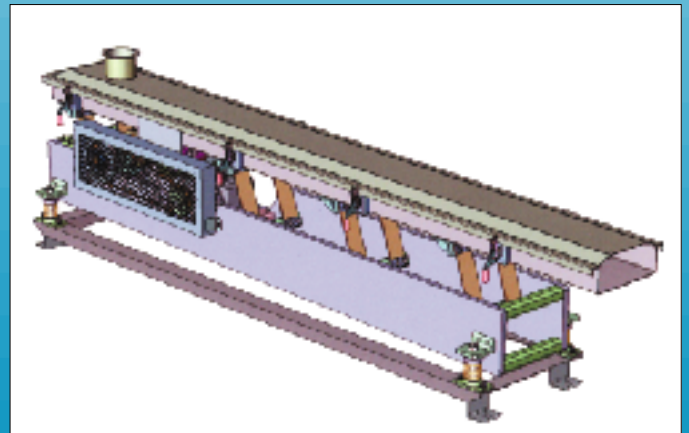
VCNF-U WITH MESH SCREEN



VCNF-F WITH LOUVER SCREEN



VCNF-U WITH COVER



VCNF-F WITH COVER

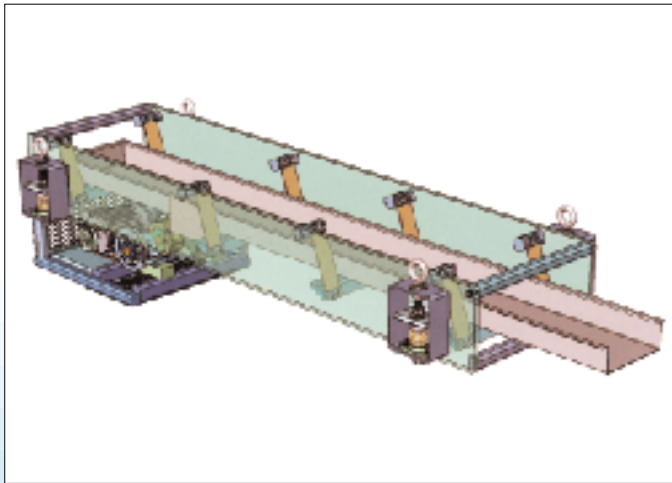
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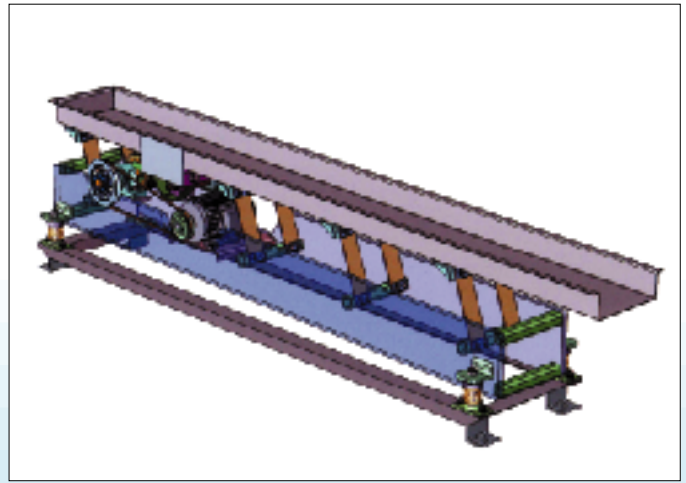


VIBRATORY CONVEYOR/FEEDER "DRIVES - DISCHARGE GATES"

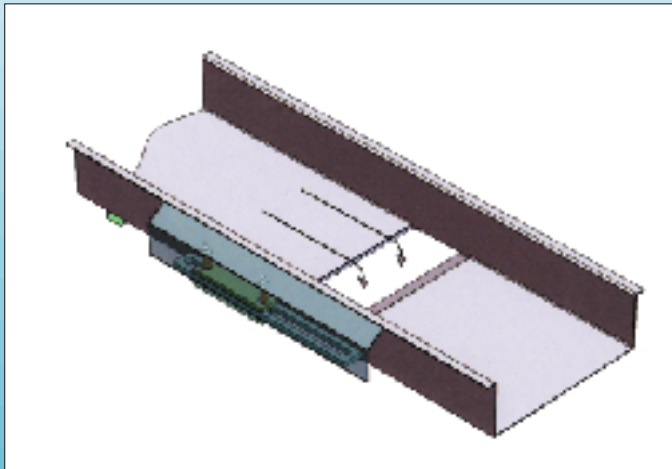


VCNF-U

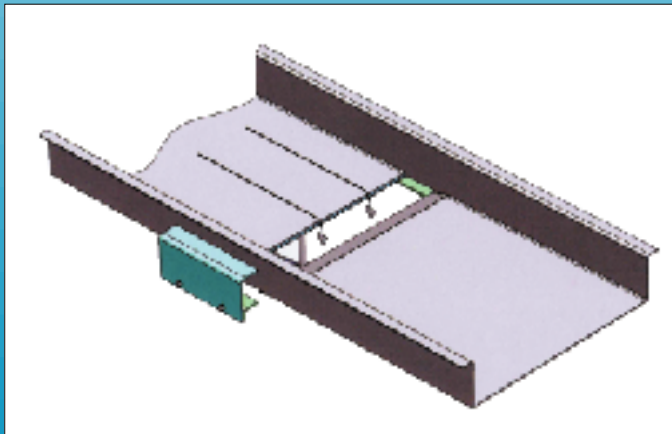
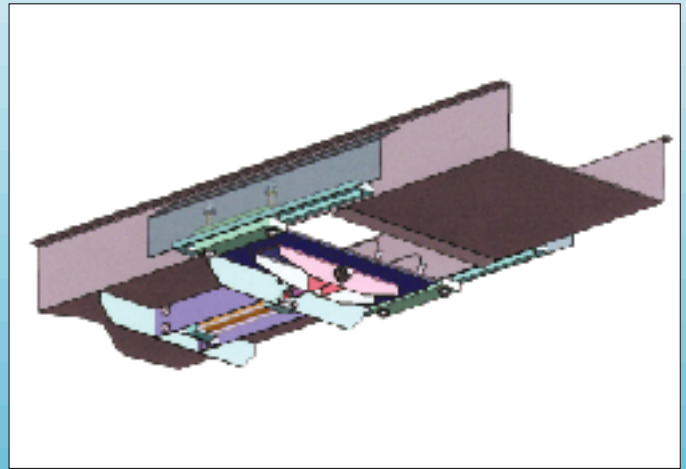
DRIVE ASSEMBLIES



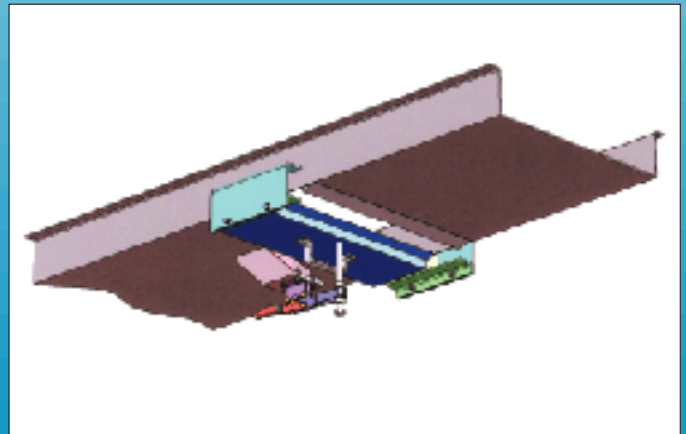
VCNF-F



GATE ASSEMBLIES (PNEUMATIC OPERATION)



GATE ASSEMBLIES (MANUALLY OPERATED)



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VHF SERIES

VIBRATING HOPPER FEEDER

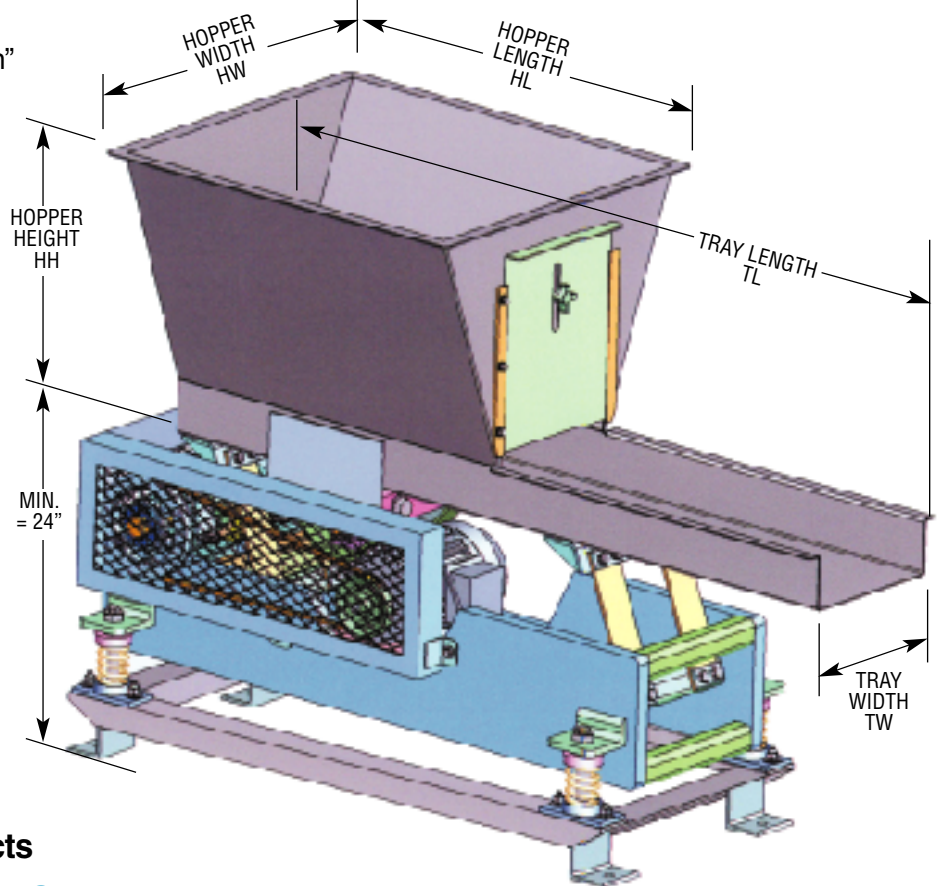
DESCRIPTION

The model VHF vibra-hopper feeder features an open frame "easy to clean" construction, compact, efficient unit designed for uniformity feeding dry and semi-dry granular products into bucket elevators, conveyors, packaging machines, mixers, etc. The integral hopper vibrates with the trough to minimize product bridging. An adjustable gate is incorporated for control of feed.

APPLICATION

- Cereals
- Chemicals
- Detergents
- Dry Food
- Fertilizer
- Pasta / Macaroni
- Metal Parts
- Pharmaceuticals
- Seeds
- Other Dry and Semi-Dry Products

SPECIFICATION & DIMENSIONS



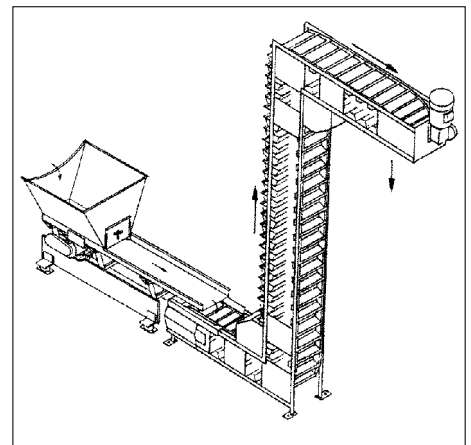
ADVANTAGES / FEATURES

- Trays Available** mild steel, plain or painted – sanitary stainless steel.
- Tray Width** from 6 inches to 24 inches.
- Hopper Capacities** as tabulated on model charts.
- Leg Springs** "Scotch Ply", clamped top and bottom.
- Bearings** sealed ball bearings and eccentric unit.
- Motor & Drive** 1100 to 1800 r.p.m. with v-belt drive sheave.

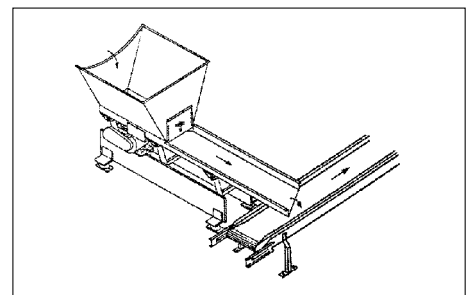
VHF-F (FLOOR MOUNTED) SERIES

MODELS	HOPPER CAPACITY CU/FT	APPROX. FLOW RATE CU/FT	TW	TL	HW	HL	HH
VHF 6X54	4.5	150	6"	54"	24"	36"	18"
VHF 8X54	5.0	200	8"	54"	24"	36"	18"
VHF 8X60	10.0	200	8"	60"	30"	48"	24"
VHF 12X54	6.0	300	12"	54"	24"	36"	18"
VHF 12X60	12.5	300	12"	60"	30"	48"	24"
VHF 18X60	15.0	450	18"	60"	30"	48"	24"
VHF 18X72	19.5	450	18"	72"	30"	60"	24"
VHF 24X72	24.0	600	24"	72"	36"	60"	24"
VHF 24X84	31.0	600	24"	84"	42"	72"	24"

Dimensions shown are in imperial (inches).



TYPICAL APPLICATIONS



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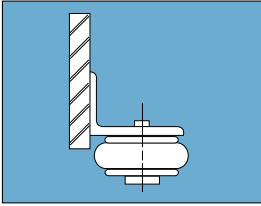
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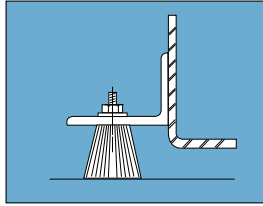
Vibratory Conveyors/Feeders

NATURAL FREQUENCY AND KINETICALLY BALANCED DESIGNS

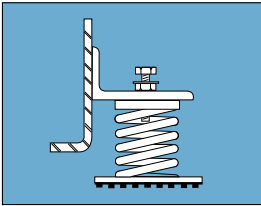
ISOLATION MOUNTS



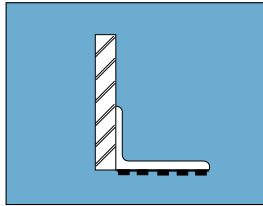
Air Mounts



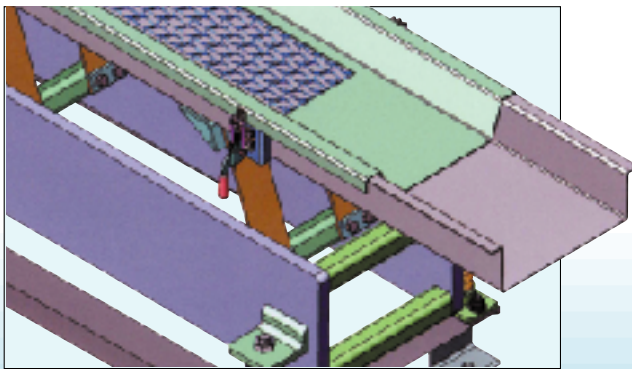
Iso-Cones



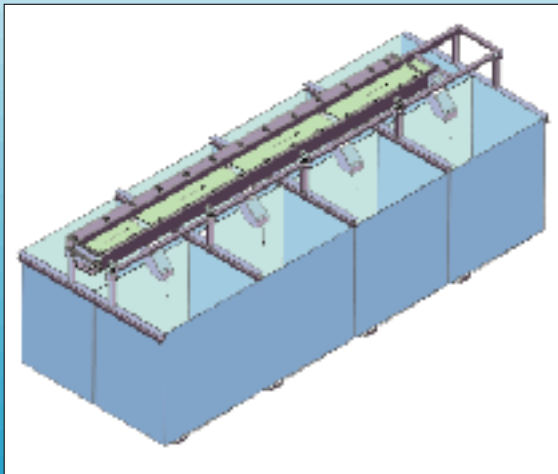
Springs



Iso-Pad Type



LATCH ACTION CLOSED POSITION FOR SCREENS



VIBRA CONVEYOR – VCNF-U SERIES FEEDING NUMEROUS STORAGE BINS



When your requirements are submitted to DEAMCO, you immediately have the benefit of global expertise gained by DEAMCO from the design and construction of many similar projects.



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