• Constructed of Highest Quality Anodized Extruded Aluminum
• High-Tech, Innovative Design, Versatile and User Friendly
• Rugged and Low-Profile • Energy Saving Features

CONVEYORS
BOX FILL SYSTEMS

A New Generation of Quality

2 Year Warranty
No Assembly Required

NEW EXPANDED CATALOG
FEATURES (Models 2210 - 2240):

- Highest quality anodized extruded aluminum frame construction; “power miser” design with minimal energy requirements.
- 2-Ply, polyurethane, FDA approved belt with endless splice (Available Belt Colors: White, Blue, Gray, Black, or Green).
- Fully recessed belt edges, both top and bottom of conveyor frame; Maximum gap between belt and side rails is less than 0.032”. (Belt edges are surrounded in wear resistant plastic, which protects belt and helps eliminate contamination.)
- Standard “SOFT-DROP ZONE” to cushion product fall and resist bouncing (slider-bed also available).
- Anodized cast aluminum belt take-up and bearing housing securely holds 2 1/4” Dia. trapezoidal crown pulley with 3/4” steel shaft.
- U.S. Manufactured premium quality 3/4” sealed, self aligning bearings.
- Modular design allows for motor to be repositioned on any corner.
- “CLEANROOM” COMPATIBLE—NO PAINTED COMPONENTS.

Quote specification forms available online.
• Manual motor starter with overload protection and OSHA lockout.
• 115V/60Hz/1PH Motor.
• “Power miser” design—minimal energy requirements.
• Anodized extruded aluminum legs (allow quick and infinite leg adjustments in height and location along entire length of frame—NO TOOLS REQUIRED).
• Totally enclosed drive and pulley system for operator safety—NO EXPOSED ROTATING PARTS.
• 2” Tall anodized extruded aluminum side rails (5” Tall on all inclines).
• 4” Dia. Polyurethane, heavy duty, two-way toe locking, non-marking casters or adjustable height pads.
• Delivered completely assembled, no assembly required.

HFA EQUIPMENT IS MANUFACTURED TO RUN 24 HRS/DAY, 7 DAYS/WEEK.
2 YEAR LIMITED WARRANTY.

For additional data, visit www.hfaconveyors.com.
FEATURES (Models 2250 - 2260):

- Includes the same features listed for models 2210-2240.
- Power miser design—minimal energy requirements.
- 2250 conveyor is ideal to convey runners to grinders or parts to box filling applications or inspection tables.
- 2260 conveyor is ideal to convey parts to automated assembly machine hoppers or feeder bowls.
- Conveyor Options include any sized polished #304 stainless steel hoppers, motor starter controls with choice of photo eye sensors or paddle sensors, stainless steel discharge trays, Lexan covers with cooling units, and quick dump trap door.

Quote specification forms available online.
SERIES 2270

GRAVITY ROLLER

2270 utilizes 1.9" Dia. PVC rollers with precision steel ball bearings assembled on 1.5" or 3" centers.

Available in various widths or lengths, and at any elevation.

Gravity roller angles adjustable from ± 0 to 30 degrees.

SERIES 2280

POWERED ROLLER

Energy efficient design with power rollers.

2280 is a brushless DC powered roller conveyor with slaved roller zones, variable roller center distance, and variable zone length to accommodate various size boxes. Conveyor available with or without zero pressure accumulation.

FEATURES (Models 2270 - 2280):

- 2270 utilizes 1.9" Dia. PVC rollers with precision steel ball bearings assembled on 1.5" or 3" centers.
- Available in various widths or lengths, and at any elevation.
- Gravity roller angles adjustable from ± 0 to 30 degrees.
- 2280 is a brushless DC powered roller conveyor with slaved roller zones, variable roller center distance, and variable zone length to accommodate various size boxes. Conveyor available with or without zero pressure accumulation.

For additional data, visit www.hfaconveyors.com.
FEAT URES

- Efficient floor space utilization.
- Ergonomically friendly design.
- Multi-level units available.
- Electric lift assembly incorporated—compressed air not required.

FEATURES (All Box Filling Systems)

- Custom made to accommodate customers size and quantity of either boxes, totes or bags.
- Manufactured to fill boxes automatically by cycle count, weight, or weigh count.
- Entire system operates on 110VAC (no compressed air required).
- User friendly controls with digital display of Job Name, Preset Weight, and Current Weight.
- Systems can display weight in grams or lbs. Database allows for storage of multiple jobs.
- Audible and visual alarms to signal system “Full” and/or “Empty”.
- Weigh systems include “Trickle Feed” to allow accurate filling of containers.
- Highest quality anodized extruded aluminum frame construction.
- 4" diameter polyurethane casters or adjustable height pads—heavy-duty non-marking material with toe locking and two-way adjustment.
- Clean room compatible—no painted components.
- Delivered completely assembled—no assembly required.

HFA EQUIPMENT IS MANUFACTURED TO RUN 24 HRS/DAY, 7 DAYS/WEEK.
FEATURES

- Powered roller transfer zone mounted to pneumatic shuttle for problem-free box/tote transfer.
- “Power miser” design—minimal energy requirements.

For additional data, visit www.hfaconveyors.com.
U-SLIDE UNDER-PRESS PRODUCT CHUTE

Includes: UHMW slide (chute); durable anodized aluminum frame construction; clear Lexan front; easy-sliding track (to move chute in and out from under the mold area); and necessary mounting hardware.

Rotary Work Table (ROTTYB)

Features

• Aluminum frame construction.
• Variable speed control.
• Drive wheel with slip clutch and adjustable tensioning.
• Fully enclosed under-carriage.
• One inch rail along entire perimeter.
• Locking casters.
• E-stop button.
• UHMW work surface—others available upon request.
• “Power miser” design—minimal energy requirements.

Designed to direct parts out from under the mold area to the aisle. Choice of Blue or White tray color.

Quote specification forms available online.
FEATURES (Diverters - Inspection Tables):

- Diverters are used to automatically "divert" reject shots, QC samples, and for filling two containers.
- They can be mounted to under press conveyors, incline conveyors or positioned beneath the mold.
- Standard features include stainless steel, UHMW and anodized aluminum construction with adjustable legs, pneumatic rotary actuator, 24 VDC or 110VAC solenoid with filter/regulator.
- Inspection Tables are manufactured to your dimensions and requirements.
- Various options include but not limited to: Stainless steel and laminated work surfaces, inspection lights, scales, HEPA filtered blowers, static elimination, shelves, and cooling units.

For additional data, visit www.hfaconveyors.com.
GUARDING PORTABLE & STATIONARY ROBOT GUARDS

FEATURES

• Robot/conveyor guarding built to customer specifications.
• Optional doors with safety interlock switch.
• Stand-alone units and/or mounted to conveyor.
• Portable and/or permanent.

E-LIFT ELECTRIC VERTICAL LIFT

FEATURES

• Highest quality anodized extruded aluminum frame construction.
• Complete control package set in a NEMA 12-13 Hoffman enclosure.
• 110 V – 24 V – or dry contact signal.
• Aluminum platform with UHMW or Teflon insert.
• Choice of toe-locking casters and/or adjustable height pads.
• Infinitely adjustable in-feed, discharge height and tilt angle.
• “Power miser” design—compressed air not required.

Quote specification forms available online.
COOLING

AMBIENT-AIR or WATER-CHILLED

OTHER PART CONDITIONING UNITS:

- Portable Air Conditioning Units
- Heating Units
- Static Elimination Units
- HEPA Filtered Blowers

PORTABLE CLEANROOM ENCLOSURES

- Used with conveyors and/or work tables.
- Custom footprint and height.
- Stand alone or press wrap around.
- Hard wall or soft wall.
- Highest quality anodized extruded aluminum frame construction.
- Anti-static clear vinyl strip-curtains.
- HEPA filters, fluorescent lights and ABS filler squares make up the ceiling.
- Classification from 100 to 100,000.
- Portable or stationary.
- Choice of toe-locking casters and/or adjustable height pads.

2230 unit shown with following accessories:

- Water-chilled cooling unit.
- Lexan cover.
- Flared side rail.
- Tapered discharge tray.
- Right angle motor.
- Outrigger casters.
- AC variable frequency drive (ACVFD).

For additional data, visit www.hfaconveyors.com.
Founded in 1995, **HARVARD FACTORY AUTOMATION, INC.** is committed to providing unbeatable service, innovative engineering support, and prompt delivery of superior products to the plastics industry. Our staff has over 50 years of manufacturing and engineering experience. Our new state-of-the-art design and manufacturing facility in Harvard, Illinois is well equipped and flexible enough to guarantee on-time delivery of our standard and custom products.

*For your next investment in automation, remember **HFA**.*

*Visit our website for additional product information, online photo gallery, or tech support:*

**www.hfaconveyors.com**

*Downloadable quote specification forms available online.*