

Lakewood Process Machinery's

FRESH PACK EQUIPMENT

The highest quality fresh-pack & processing equipment since 1965



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In 1964 Lakewood Process Machinery was started with an idea to help local blueberry growers reduce labor and improve their harvest productivity and packaging techniques.

Since our humble beginnings, our innovative design capabilities coupled with our higher standard for quality and service has helped us grow to become a world leader in manufacturing agricultural processing equipment for all types of fruits, vegetables, foods, and horticulture products. Because of our commitment to our customers needs you will find LPM equipment placed in installations throughout the world.

LPM has made a commitment to provide:

- *Custom designs and layouts utilizing over 40 years of professional in-house engineering.*
- *Standard proprietary lines for processing, sizing, sorting, weighing, washing, and packaging.*
- *Custom designed equipment to fit and enhance your existing production lines.*
- *Complete turn-key design and installation of equipment, utilizing our alliances with key suppliers.*
- *World-wide shipping, support, and customer service from our facility located in Holland, Michigan.*
- *Key regionally based support locations*





Fresh Pack Equipment Line Layouts

Easy-Flow Air Cleaner
(see page 3)

Fresh Berry Destemmer
(see page 5)

Adjustable Belt Sizer
(see page 6)

Elevating Inspection Conveyor
(see page 13)

Dual Level Packoff Conveyor
(see page 27)

Single Lane Adjustable Volumetric Clamshell Filler
(see page 21)

Single Lane Adjustable Clamshell Scissors Denester
(see page 18)

For more information on our Fresh Pack Equipment line layouts,
visit our **Volumetric Fresh Pack Guide** page online at
<http://www.lakewoodpm.com/fresh-guide>
or call us today at 1-800-366-6705

ELIMINATE FLUCTUATIONS IN PRODUCT VOLUME & REMOVE THE NEED FOR MANUALLY DUMPING LUGS

LAKWOOD **Lug Dumper**
PROCESS MACHINERY

- All stainless steel construction
- 3 lug holding capacity
- 5 second cycle times / 12 dumps per minute

Remove the need for manually dumping product from lugs at the beginning of your line, eliminating fluctuations in product volume and greatly reducing strain on workers by only having to place lugs onto the lug dumper's staging area without physically dumping them.

Lugs are manually removed from a pallet and placed onto the staging area of the lug dumper (up to 3 lugs can be staged on the dumper at a time). A sensor in the metering hopper on the following piece of equipment automatically tells the lug dumper when to cycle it's next dump to ensure that there is a steady, non-fluctuating flow of product entering your line by keeping the metering hopper filled to a consistent level at all times. Once a lug has been emptied, it is automatically conveyed over to a lug washer*, eliminating the extra handling of the empty lug.



Lug Dumper Capacities

Lug Capacity	lbs per hour
20lb	Approximately 14,000 lbs per hour
25lb	Approximately 18,000 lbs per hour

Lug Dumper Specifications

Fixed Lug Load Height
31"
Lug Discharge Height
36.75" up to 55.75"
Fruit Discharge Height
37.75" up to 46.75"
** Accommodates lugs with the following dimensions
20 to 24" long and up to 16" wide from 5.25" to 7" tall

** Lug dimensions are somewhat subjective to how the handles and walls of the lug are shaped.

* Please note that some facilities may require an additional conveyor to extend from the lug dumper to their lug washer.

FRESH PACK STICK ELIMINATOR



STICK ELIMINATORS

A MUST-HAVE FOR FRESH-PACK, MACHINE HARVESTED FRUIT

Fresh Pack Stick Eliminator

- All stainless steel construction
- Low profile z-style belt transfer for more gentle drops
- Metering hopper included

Our Fresh Pack Stick Eliminator reduces cleaning time and eliminates clogs and jams in your fresh packing line. The stick eliminator separates and removes sticks and large debris from product flow, so you can take product straight from the field to your fresh line.

Berries are conveyed over the end of the incline conveyor and onto another conveyor below, where sticks and product are introduced to the stick eliminating spools. These custom turned aluminum 'scalping' spools allow berries to gently drop to a conveyor below while sticks, clusters, and larger debris carry over the rollers into a lug.

The unique design of this machine allows for placement into almost any existing packing line.

Fresh Pack Stick Eliminator Capacities

Working Width	Capacity (lbs per hour)
33"	Approximately 8,000 lbs per hour

Fresh Pack Stick Eliminator Options

Infeed Length Options
6'
9'

Infeed Conveyor Options
Cleated Rubber Belt

Lower Conveyor Options
Open Grid Plastic Belt





AIR CLEANERS

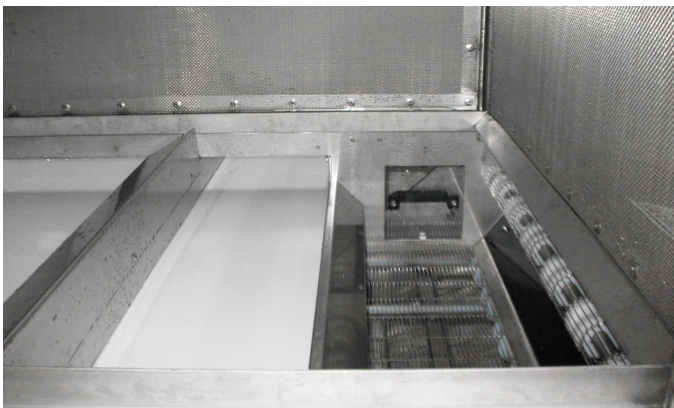
EASY-FLOW DROP THRU AIR CLEANER

OUR BEST SELLING AIR CLEANER FOR 3 YEARS AND COUNTING

Lakewood Process Machinery Easy Flow Drop Thru

- All stainless steel construction
- Easy-to-access debris collection cage
- Telescopic adjustable height legs
- Adjustable infeed height independent from main frame & exit end

Product is fed onto the incline conveyor either directly or into the optional metering hopper (shown on air cleaner to the right). Product is conveyed up and discharged off the upper end, falling gently over the air stream and onto the secondary (Outfeed) conveyor to continue down your grading line. Lighter berries, leaves, and debris follow the air stream into the overhead cage where it is conveyed out to one side (trash can be discharged on RH or LH side of machine).



Easy Flow Drop Thru Capacities

Working Width	Capacity (lbs per hour)
33"	Approximately 8,000 lbs per hour
42"	Approximately 12,000 lbs per hour

* Easy Flow Drop Thru Options

Infeed Length Options
6'
9'
12'

Infeed Conveyor Options
Stainless Steel Wire Belt
Fine Mesh SS Wire Belt
Plastic Flighted Belt
Rubber Meat Cleat Belt

Outfeed Conveyor Options
Stainless Steel Wire Belt
Fine Mesh SS Wire Belt
Plastic Flighted Belt
Rubber Meat Cleat Belt

Additional options include:

- (a) Extended Discharge Conveyor Length (shown lower left)
- (b) Lug Rack beneath Trash Discharge for Trash Collection
- (c) Controls & Trash Discharge
- (d) Metering Hopper (shown at right)



**Please note that the combination of some of these options may not fall under our 'standard' list of equipment, and may require an additional cost. Contact your sales representative today to learn what options would work best for you.*

PATENT PENDING

EASY-FLOW NO DROP AIR CLEANER



THE UNMATCHED QUALITY OF AN EASY-FLOW & ONE LESS DROP

LAKWOOD PROCESS MACHINERY Easy Flow No Drop

- All stainless steel construction
- Easy-to-access debris collection cage
- Telescopic adjustable height legs
- Adjustable infeed height independent from main frame & exit end

Produce is fed onto the inclined conveyor either directly or into the optional metering hopper. Product is conveyed through the air stream all on one stainless steel wire belt conveyor to ensure fewer drop points and gentle handling through the debris removal process. Small and lighter berries, leaves, and debris follow the air stream into the overhead cage where it is conveyed out to one side via two 'trash' conveyors. The first conveyor carries out berries while the second conveyor carries out lighter sticks and leaves.



Easy Flow No Drop Capacities

Working Width	Capacity (lbs per hour)
33"	Approximately 8,000 lbs per hour
42"	Approximately 12,000 lbs per hour

Easy Flow No Drop Options

Conveyor Options
Stainless Steel Wire Belt
Fine Mesh SS Wire Belt

Infeed Length Options
6'
9'
12'

Additional options include:

- (a) Extended Discharge Conveyor Length
- (b) Lug Rack beneath Trash Discharge for Trash Collection
- (c) Controls & Trash Discharge (LH or RH)
- (d) Metering Hopper (shown at right)



FRESH BERRY DESTEMMER

GENTLY & EFFECTIVELY REMOVES STEMS FROM FRESH BERRIES

LAKWOOD Fresh Berry Destemmer
PROCESS MACHINERY

- Stem collection pan keeps stems off the floor
- Adjustable height on overhead rubber fingers
- All stainless steel construction
- All stainless steel bearings & motor
- Easy-to-clean design
- Telescopic adjustable height legs

Berries are fed into the conveyor. As they land on the stainless steel open mesh conveyor belt, stems protrude through the wire mesh. The stems that extend below the bottom of the mesh will be pulled off the berries as the conveyor travels forward across the shear bars mounted under the bed. The overhead rubber fingers will re-orient the berries, thus exposing more stems to the shear points as they travel forward on the conveyor.

Fresh Berry Destemmer Capacities

Working Width	Capacity (lbs per hour)
33"	Approximately 8,000 lbs per hour

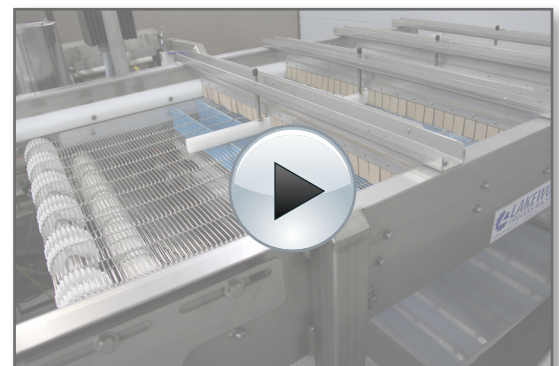
Fresh Berry Destemmer Options

Conveyor Length Options
60"

Conveyor Belt Options
Standard Wire Mesh (5mm gap between 1.5mm dia wire)
Fine Wire Mesh (3mm gap between 1.2mm dia wire)



See all product listings,
videos, and more at
www.lakewoodpm.com



ADJUSTABLE BELT SIZER

ACCURATELY SIZE BERRIES INTO TWO ADJUSTABLE SIZE CATEGORIES

LAKEWOOD PROCESS MACHINERY **Adjustable Belt Sizer**

- **Adjustable gap between sizing bands ensures the highest level of accuracy**
- **Small, compact design fits easily into existing lines**
- **Hand adjustable gap size (no tools needed)**
- **Telescopic adjustable height legs**
- **All stainless steel construction**

Our Adjustable Belt Sizer combines compact size with a high standard of accuracy and reliably sizes berries into 2 divisions. The center stabilizing roller ensures the belts remain accurate throughout the life of the machine.

As product flows over the belts, small berries drop through the belts and are conveyed away on the small berry conveyor (included with purchase of sizer). Large berries are conveyed over the end of the sizer and continue through your packing line.

Adjustable Belt Sizer Capacities

Working Width	Capacity (lbs per hour)
33"	Approximately 8,000 lbs per hour

Adjustable Belt Sizer Options

Sizer Belt Options
Polyurethane Belt

Adj. Gap Size Options
5/16" - 5/8" Gap

Small Berry Conveyor Options
Rubber Belt

(Adjustable Belt Sizer Shown)



LAKEWOOD PROCESS MACHINERY **Fixed Gap Belt Sizer**

- **Small, compact design fits easily into existing packing lines**
- **Telescopic adjustable height legs**
- **All stainless steel construction**

Our Fixed-Gap Belt Sizer operates the same way as our Adjustable Belt Sizer without the option to adjust your size categories.

Working Width	Capacity (lbs per hour)
33"	Apprx 8,000 lbs per hour
Sizer Belt Options	
Polyurethane Belt	
Small Berry Conveyor Options	
Rubber Belt	
Fixed Gap Size Options	
3/8" Gap	
1/2" Gap	
9/16" Gap	

SMALL PRODUCT MULTI-SIZER

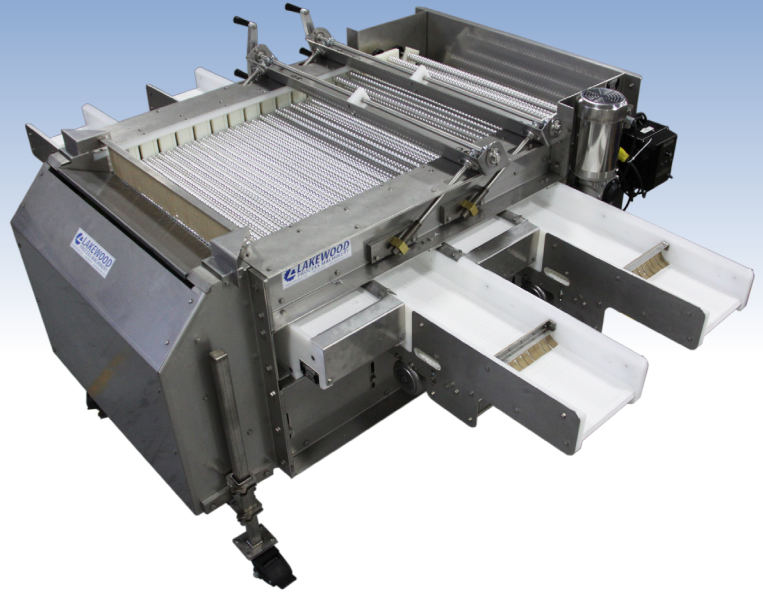
PATENT PENDING

QUICKLY, ACCURATELY, & GENTLY SEPARATE FRESH BERRIES INTO 4 OR MORE ADJUSTABLE SIZE CATEGORIES

LAKWOOD PROCESS MACHINERY Small Product Multi-Sizer

- **Adjust your sizes on the go with zero down time using the hand-adjustable cranks**
- **Custom-length exit conveyors available to suit your specific application and your facility's needs**

Product is conveyed onto the roller bed. The unique rotation of the spooled rollers singulates the product for accurate sizing. As product moves down the sizer bed, the distance between the rollers expands, allowing product to fall through to the exit conveyors. The sized product can then be conveyed either to the left or right side of the sizer, directly into a box filler, or to a separate line or filling station.



Multi-Sizer Capacities

Working Width	Capacity (lbs per hour)
36"	3,500 lbs per hour

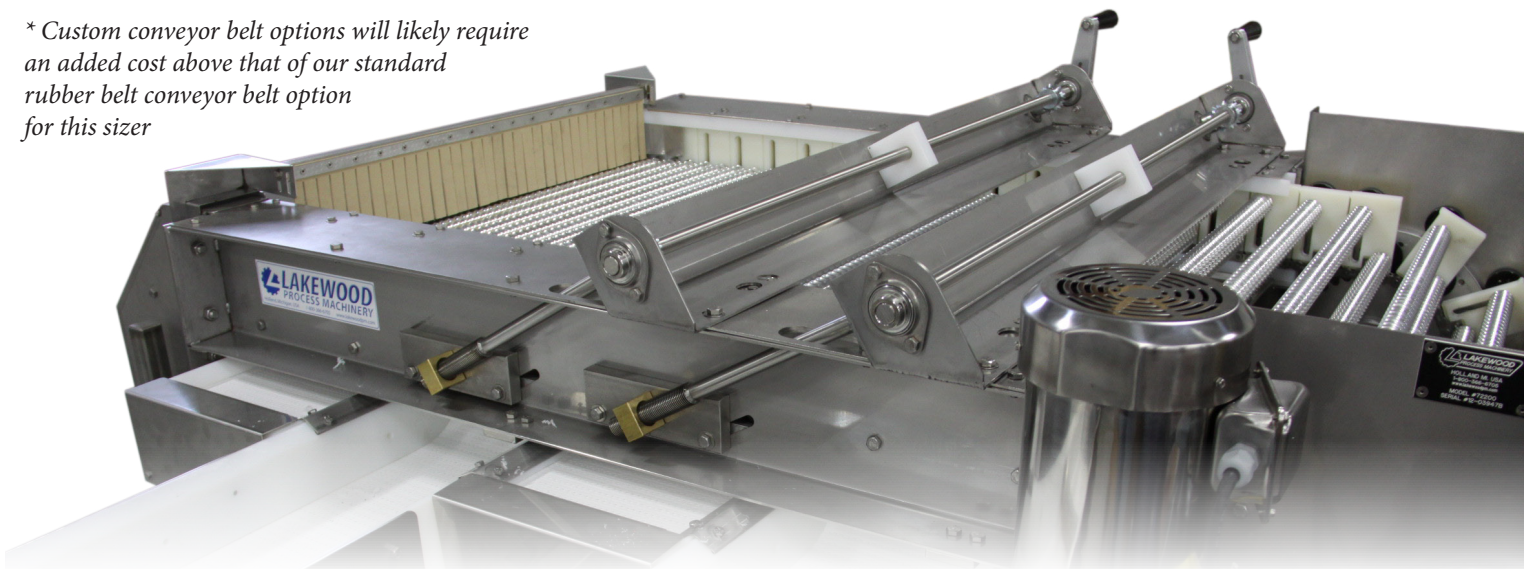
Multi-Sizer Options

Size Gap Options
Adjustable from 3/8" to 1/2"
Exit Conveyor Belt Options
Plastic Intralox Belting
* Custom Conveyor Belt Options Available

** Custom conveyor belt options will likely require an added cost above that of our standard rubber belt conveyor belt option for this sizer*

Exit Conveyor Belt Length Options
* Custom Conveyor Lengths Available

** Custom conveyor lengths will likely require an added cost above that of our standard conveyor length option for this sizer*



PATENT PENDING

FLUIDIZED AIR BED DRYING SYSTEM

LAKWOOD
PROCESS MACHINERY

DRYERS

THE MOST EFFECTIVE METHOD FOR GENTLE MOISTURE REMOVAL

LAKWOOD Fluidized Air Bed Dryer

- Easy-to-clean, all stainless steel design
- 2 powerful 3HP fans for thorough drying
- Open-Grid plastic Intralox belting
- Variable speed controls included for both the conveyor and drying fans

Product is fed onto the top of the conveyor belt. As product feeds onto, and covers the top of the conveyor, a cushioned air bed is created between the product and the conveyor belt from the two 3 hp fans beneath the belt. As the air bed carries the product along the top of the belt, the product is encouraged to rotate, allowing the stream of air below to cover all sides of the product. Once product leaves the Fluidized Air Bed Dryer System, it can continue through the packing line free of moisture.

Options available for our Fluidized Air Bed Dryer include a metering hopper mounted to the infeed end for drying product prior to it entering your line, as well as casters, which allow you to quickly roll the machine into, and out of place in your packing line.

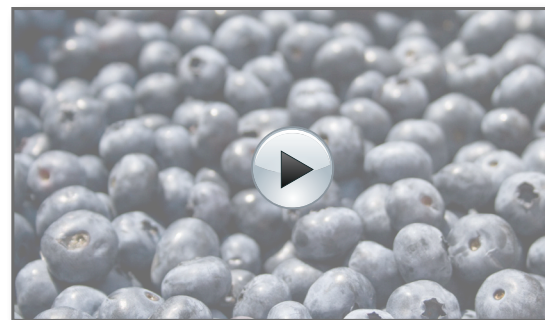
Fluidized Air Bed Dryer Capacities

Working Width	Capacity (lbs per hour)
33"	Aprx 2,500 lbs per hour

Fluidized Air Bed Dryer Options

General Options (Available upon request)
Metering Hopper mounted to Infeed End
Casters

See our Fluidized Air Bed Dryer videos at www.lakewoodpm.com



A SIMPLE & ECONOMIC SOLUTION TO DRYING YOUR PRODUCT

LAKWOOD Water Stripper
PROCESS MACHINERY

- All stainless steel construction
- 3 HP stainless steel motors
- Height adjusts easily to adapt to the volume of fruit below dryer
- Quickly mounts onto existing conveyors

As fruit passes beneath the Water Stripper, it is gently rolled and thoroughly stripped of water by the 2 air knives inside of each mounted dryer box. The Water Stripper comes equipped in all stainless steel construction, with a stainless steel 3 HP motor, and built in height adjustments to match the amount of product you're running at any point in time. This is an easy and efficient way to get your fruit dry without taking up more space in your line or purchasing a larger, more expensive dryer.

Our Water Strippers are also available and sold in sets as complete drying conveyor systems - Contact us today to learn about our Water Stripper Conveyors.

Water Stripper Capacities

Working Width
33" (single fan)
36" (single fan)
42" (single fan)
60" (dual fans)

* Water Stripper Options

General Options (Available upon request)
Mesh 'Bug Screen' over air intake
Variable Speed Control on Fan(s)

Mounting Options
Conveyor Frame Top Mounting (Standard)
Conveyor Frame Side Mounting

Mounting Angle Options
Direct Overhead Mount (Standard)
Conveyor Frame Side Mounting



**Please note that the combination of these options may not fall under the 'standard' list of equipment, and may require an additional cost. Contact your sales representative today to learn what options would work best for you.*

HEATED DRYING SYSTEM

A WIDE VARIETY OF HIGH-POWERED HEATED DRYING SOLUTIONS

LAKWOOD Heated Dryer System

- All stainless steel construction
- Heated air chamber for evaporating moisture
- Air delivery tubes located above and below the conveyor
- Variable speed open mesh stainless conveyor

Product is conveyed by a stainless steel open mesh conveyor and are air dried from both above and below to ensure the highest level of water is removed as all sides of the fruit on the conveyor are exposed and dewatered.

Conveyor speed is variable which provides controlled drying time.

Our dryers are available in a wide variety of styles and combinations, offering you any level of drying power you need for your specific application.



Wicking Brush Mounts shown here

Heated Dryer Capacities

Working Width	Capacity (lbs per hour)
33"	Approximately 3,000 lbs per hour
42"	Approximately 6,000 lbs per hour

Dryer capacities are (+/-) depending on the conditions of the product



Heated Berry Dryer Options

* Water Stripper Add-on Options

Add any number of Water Strippers to ensure that your product is as dry as you need it to be

**Please note that the addition of Lakewood's Water Strippers will require a longer conveyor length, and a conveyor which includes water-wicking brush mounts with removable wicking brushes for removing excess water from the conveyor belt.*



 **LAKWOOD**
PROCESS MACHINERY

DRYERS

CUSTOM DRYING SOLUTIONS

HAVE A SPECIAL REQUEST FOR YOUR DRYING NEEDS?

 **Customized Dryers**

At Lakewood, we have built our reputation on being able to provide our customers with custom solutions for almost any issue you can think of when it comes to packing small fruits or vegetables. When working with us on a custom piece of equipment, you can expect the same high-quality and exceptional results that we offer with each piece of standard equipment. Contact us today to learn about how we can provide you with exactly what you need for your specific application.



800-366-6705 / info@lakewoodpm.com / lakewoodpm.com

FLAT INSPECTION CONVEYORS



INSPECTION CONVEYORS

A SIMPLE FLAT SORTING CONVEYOR FOR YOUR FRESH LINE

Product is fed onto the conveyor belt where grading personnel stand along each side and visually inspect the product for defects. Defect product is manually removed and dropped into the trash lanes along the edge of each side of the conveyor. Good product continues along the length of the conveyor and discharges off of the end of the belt while defects are dropped through a trash chute at the exit end of the conveyor and into a lug below.

Flat Inspection Conveyor Capacities

Working Width	Capacity (lbs per hour)
24"	Approximately 6,000 lbs per hour
30"	Approximately 7,000 lbs per hour
33"	Approximately 8,000 lbs per hour
36"	Approximately 9,000 lbs per hour
42"	Approximately 12,000 lbs per hour

(Standard) Flat Inspection Conveyor Options

Width	Belt Type	Lengths Available per Width / Belt
24"	Rubber	10' / 14'
30"	Rubber	14' / 18'
30"	SS Wire	12'
33"	SS Wire	15'
36"	Rubber	12' / 18'
36"	SS Wire	15'
42"	SS Wire	20'

Flat Inspection Conveyor Add-on Options

Light Kits

Overhead light kits available for most conveyor lengths



LAKWOOD PROCESS MACHINERY Flat Rubber Belt Inspection

- All stainless steel construction
- Easy, wipe-clean design
- Nonstaining, smooth rubber belting
- Trash collection lug rack for 30lb (or smaller) lugs
- 3" Flip-up, hinged trash lanes

LAKWOOD PROCESS MACHINERY Flat Wire Belt Inspection

- All stainless steel construction
- Easy-to-clean Sprocket Driven SS Wire Belt
- Easy-to-clean Plastic Intralox Belt 3" Trash Lanes
- Trash collection lug rack for 30lb (or smaller) lugs

ELEVATING INSPECTION CONVEYORS

ELIMINATE THE NEED FOR PLATFORMS IN YOUR PACKING LINE

Product is fed onto the conveyor belt where grading personnel stand along each side and visually inspect product for defects. Defect product is manually removed and dropped into the trash lanes along the edge of each side of the conveyor. Good product continues along the length of the conveyor, and up to the elevated discharge height, and discharges off of the end of the belt while defects are dropped through a trash chute at the exit prior to the elevating section, and into a lug below.

Inspection Conveyor Capacities

Working Width	Capacity (lbs per hour)
31"	Approximately 8,000 lbs per hour

Inspection Conveyor Add-on Options

Inspection Conveyor Options
Overhead light kits available for most conveyor lengths
Metal detector with pneumatic lift flip gate

(Standard) Inspection Conveyor Options (31" Wide)

Width	Belt Type	Length (Flat)	Length (overall)	Elevation
31"	SS Wire	6'	13'	19"
31"	SS Wire	7'	14'	19"
31"	SS Wire	10'	17'	19"
31"	SS Wire	13'	20'	19"
31"	SS Wire	13.5'	20.5'	19"
31"	Plastic	10'	17'	19"
31"	Plastic	10'	19'	25"
31"	Plastic	13'	20'	19"
31"	Plastic	13'	23'	36"



Plastic Belt Elevating Inspection

- All stainless steel construction
- Easy wipe-clean design
- Solid-top Intralox plastic belting
- Trash collection lug rack for 30lb (or smaller) lugs
- 3" Flip-up, hinged trash lanes



Wire Belt Elevating Inspection

- All stainless steel construction
- Easy-to-clean Sprocket Driven SS Wire Belt
- Easy-to-clean Plastic Intralox Belt 3" Trash Lanes
- Trash collection lug rack for 30lb (or smaller) lugs

INSPECTION CONVEYOR OPTIONS

LAKWOOD
PROCESS MACHINERY

INSPECTION CONVEYORS

EQUIP YOUR INSPECTION CONVEYOR WITH ANY OF THESE OPTIONS



Overhead Light Kit

- All stainless steel construction
- Mounts directly onto Lakewood conveyors
- Available for both Flat Inspection Conveyors & Elevating Inspection Conveyors



Wash Booths

- All stainless steel construction
- Includes 5 overhead spray bar manifolds and 5 underside spray bar manifolds to effectively wash all sides of the product
- Includes 2" drain opening at bottom end for booth drainage

Wash, rinse, or sanitize your product directly after the inspection process with a Lakewood Wash Booth.

After product is inspected, it is conveyed into the wash booth section where product is washed from above and below.

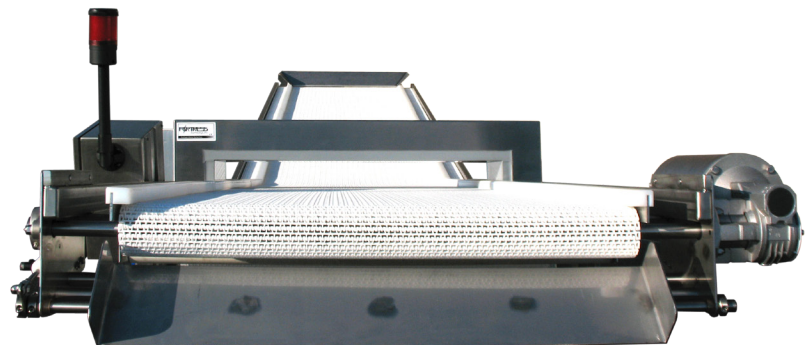
Standard model only available to fit a 31" Inspection Conveyor



Metal Detector

- All stainless steel construction
- Stainless steel aperture head
- Beacon light
- Automated pneumatic flip gate for accurate removal of unwanted debris without stopping production

Accurately find and eliminate small metal particles without stopping or slowing down production by adding a metal detector to your inspection conveyor.



ECONO-GRADE SIZING INSPECTION COMBO

SIZE, ELIMINATE DEBRIS, AND INSPECT ALL ON ONE SINGLE SYSTEM

LAKWOOD Econo-Grade
PROCESS MACHINERY

- All stainless steel construction
- Precision machined spools ensure exact diameter sizing
- Sizing section mounts directly onto Inspection Conveyor
- Includes lug rack to catch disregarded berries and debris
- Easy wipe-clean design
- 3" hinged flip-up trash lanes on each side
- Removable spools for easy changeover to different sizing spools

A metering hopper conveyor feeds berries onto the profile roller bed which has openings for small berries and debris to drop out. Large berries flow across the roller bed onto the manual inspection conveyor, and large defect berries are manually removed from the inspection conveyor. As defect berries and debris are removed, they are placed into the trash lanes on either side of the conveyor, and conveyed into lugs held underneath the inspection conveyor.

Econo-Grade Capacities

Working Width	Length	Capacity (lbs per hour)
24"	10'	Apprx 2,500 lbs per hour
24"	14'	Apprx 2,500 lbs per hour
30"	14'	Apprx 3,500 lbs per hour

Econo-Grade Conveyor Style Options

Conveyor Options
Rubber Belt

Econo-Grade Size Gap Options

Sizing Spool Options
9mm Size Gap
10.5mm Size Gap
12mm Size Gap
1/2" Size Gap



METAL DETECTORS



METAL DETECTION

A HIGH SPEED, HASSLE FREE, STAND ALONE METAL DETECTION SYSTEM

Stand-Alone Metal Detector

- **Pneumatic flip gate for no-hassle metal debris removal**
- **Stainless steel easy-clean design**

As berries are conveyed through the stand-alone conveyor's metal detecting section, this powerful metal detector picks up the smallest metal scraps and sets off the trigger to activate a beacon light above the machine, and drop the pneumatic dump gate, which allows the contaminated fruit to be collected into a lug for the further inspection to ensure that any berries that continue down your packing line are free of any metal debris.

Metal Detector Capacities

Working Width	Capacity (lbs per hour)
32"	8,000
40"	12,000

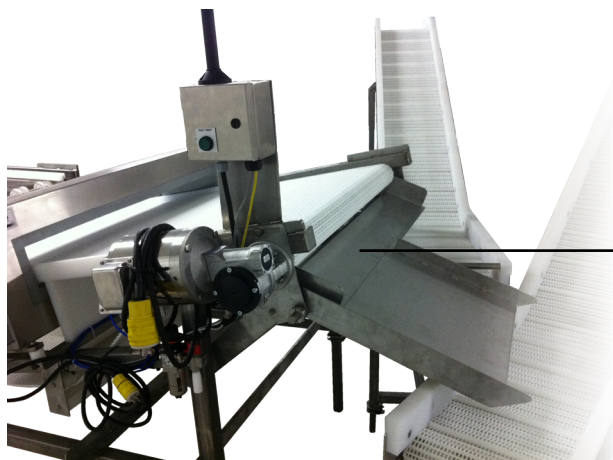
Metal Detector Options

Options
Pneumatic Flip Gate
Detection Beacon Light

Pneumatic Flip Gate —————
activated when debris is detected

Chute carries detected debris to the lug below

Lug Rack —————



(Pneumatic Flip Gate shown here)

CLAMSHELL WHEEL DENESTERS

A SIMPLE, TIME TESTED DESIGN, GEARED TOWARDS DENESTING PINTS

LAKWOOD Wheel Denester
PROCESS MACHINERY

- All stainless steel construction
- Precision machined denester wheels

Clamshells are placed onto the rear loading section of the wheel denester where they are staged until a hopper eye (included with denester) which is mounted onto the hopper feeding your clamshells, recognizes berries in the hopper. As the hopper eye recognizes berries, it will automatically start the denesting process to ensure very little product is spilled, and will keep moving clamshells under the hopper at all times, assuming the hopper is being fed at a steady rate.

The key to our Wheel Denester is the precision machined wheels which separate the cups from one another. For each rotation of the denester wheel, a clamshell will gently fall onto the filler's container conveyor.

*** Wheel Denester Capacities**

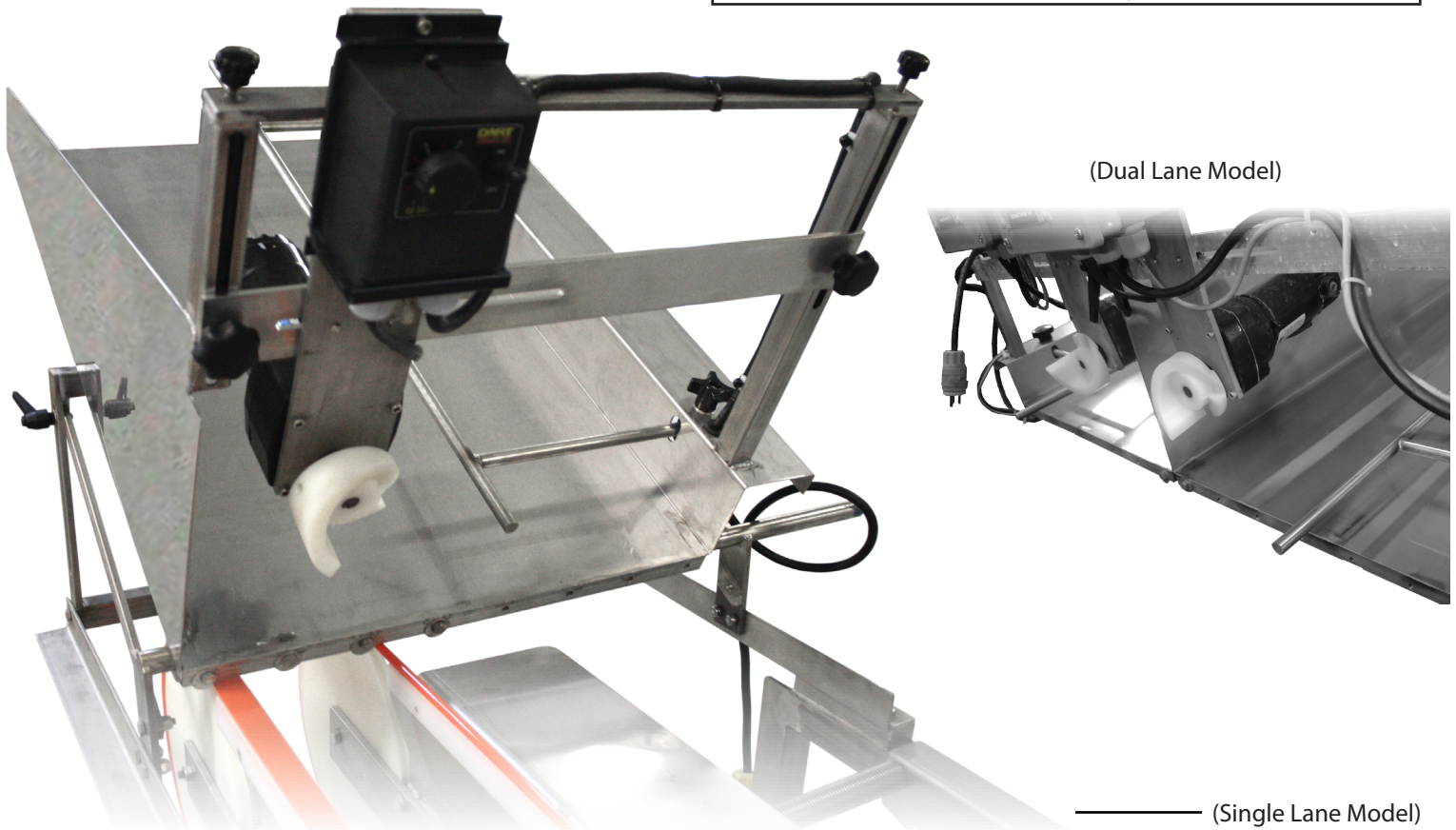
Model	Capacity (Pints per Minute)
Single Lane	200+ Pints per minute
Dual Lane	400+ Pints per minute

** Wheel denester capacities of 200+ containers are based on running pint containers - capacities for larger or different sized clamshells may vary.*

Wheel Denester Options

Mounting Options
Stand Alone (includes stand for denester)
Mountable (mounts directly onto filler)

LH / RH Models
LH Model (Standard)
RH Model (Required only for RH filler)



CLAMSHELL SCISSORS DENESTERS



CLAMSHELL DENESTERS

AN EXTREMELY FAST AN ACCURATE WAY TO SEPARATE CLAMSHELL CONTAINERS,
PREPARING THEM FOR THE FILLING PROCESS

Scissors Denester

- Easily adapts to most clamshells
- Extremely high accuracy with minimal doubles
- Feeds clamshells onto nearly any filling machine
- Accepts all clamshell sizes from 4.4oz to 2.75lb

A stack of clamshells is removed from the manufacturers box and placed onto the staging area of the scissors denester. As the hopper eye (included with purchase) mounted onto your filler's hopper recognizes berries and a need for containers below, the denester's scissors feature plunges between clamshells, opens, separating the clamshells from one another, and 'kicks' the loosened clamshell away from the stack, allowing it to fall into the guide rails and onto your filler's infeed belt for the filling process.

* Scissors Denester Capacities

Model	Capacity (Containers per Minute)
Single Lane	200+ Clamshells per minute
Dual Lane	400+ Clamshells per minute

* Scissors denester capacities of 200+ containers are based on running pint containers - capacities for larger or different sized clamshells may vary.

Scissors Denester Options

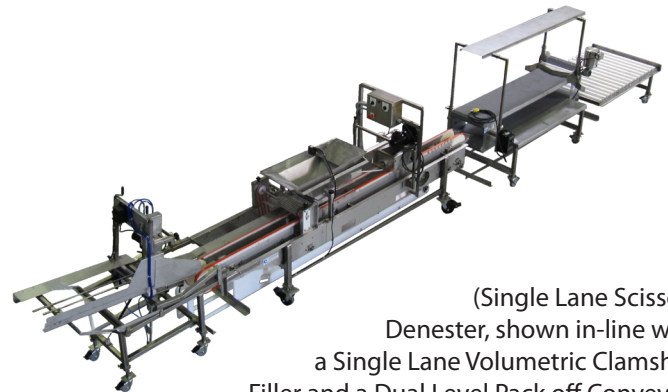
Mounting Options
Stand Alone (includes stand for denester)
LH / RH Models
LH Model (Standard)
RH Model (Required only for RH filler)



(Single Lane Model)



(Dual Lane Model)



(Single Lane Scissors Denester, shown in-line with a Single Lane Volumetric Clamshell Filler and a Dual Level Pack off Conveyor)



CLAMSHELL WEDGE WHEEL DENESTERS

PATENT PENDING

ACHIEVE CONSISTENT & ACCURATE CUP PLACEMENT WITH FEWER DOUBLES

LAKWOOD PROCESS MACHINERY Wedge Wheel Denester

- All stainless steel construction
- Quick and simple container changeover

Clamshells are staged in their custom fit cartridges over top of an indexing conveyor or the live belts on our Single Lane Adjustable Filler. As the hopper eye (included) mounted on your filler's hopper recognizes berries and a need for containers below, the denester simply 'flicks' the container down onto the conveyor. Changing container sizes is as simple as removing one cartridge and replacing it with another, and your ready to keep denesting.

The most exciting feature of this machine is that it is built around the footprint of specific containers. In order to ensure the highest level of speed and accuracy, we have essentially taken the need for making adjustments in the field entirely out of the picture by giving you container specific cartridges that are guaranteed to denest your containers with nothing more than some initial fine tuning.

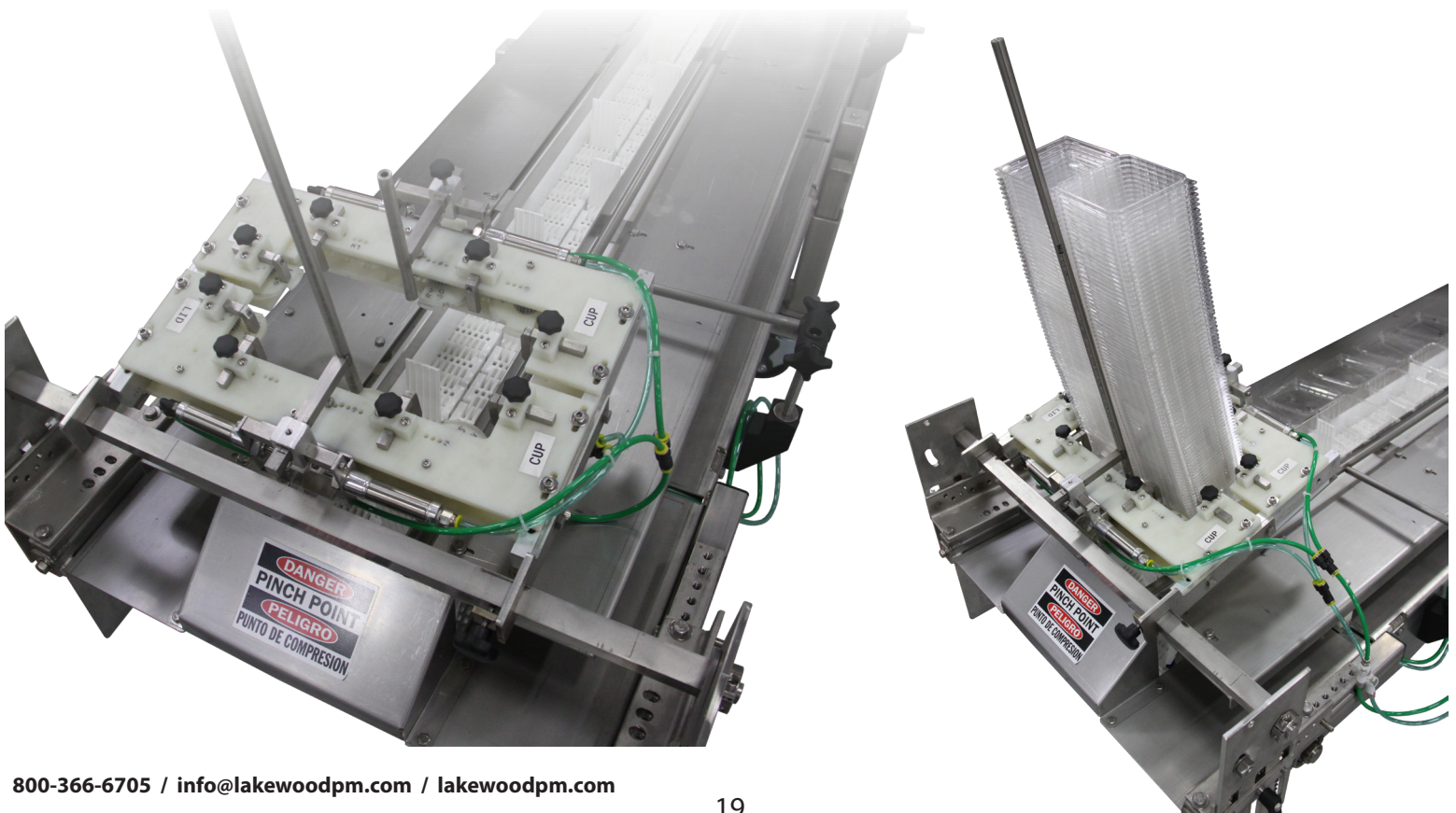
* Wedge Wheel Denester Capacities

Capacity (Containers per Minute)
300+ containers per minute

* Wedge Wheel Denester capacities are dependent on the filling rate, and the speed of the indexing conveyor / live belts that containers are denesting onto.

Wedge Wheel Denester Options

Clamshell Sizes	Compatible Cartridge Model
4oz	Model # SR
6oz	Model # SR
Standard Pint	Model # SR
11 oz Long	Model # LR
18oz Long	Model # LR
18oz Shallow	Model # LSQ
24oz	Model # LSQ
2lb	Model # LSQ





Quick-reference guide to

LAKEWOOD'S VOLUMETRIC CLAMSHELL FILLERS

Volume = **4,500 lbs per hour or less**

Recommended Filler = **Push Thru Volumetric Clamshell Filler** (see page 21)

Volume = **6,000 lbs per hour or less (for pints)**

Recommended Filler = **CS1 Volumetric Clamshell Filler** (page 22)

Volume = **8,000 lbs per hour or less (for all container sizes)**

Recommended Filler = **Single Lane Volumetric Clamshell Filler** (page 23)

Volume = **8,000 lbs per hour or more (for all container sizes)**

Recommended Filler = **Single or Dual Lane Volumetric Clamshell Filler** (page 23)

For more detailed information on setting up your new Fresh Pack Line, visit us online

<http://www.lakewoodpm.com/fresh-guide>



VOLUMETRIC CLAMSHELL FILLERS

AN ECONOMIC OPTION FOR THE SMALLER GROWER / PACKER

 **Volumetric Push-Thru Clamshell Fillers**

- All stainless steel construction
- Quick / easy container adjustments allow you to fill any size or style of clamshell
- No tools needed when changing container sizes
- Adjustable flow gate to ensure you get an even fill when container sizes change.

Lakewood's Push-Thru Volumetric Filler combines an unbeatable price with an effective and easy-to-use system for the smaller packing facility. Open clamshells are loaded on the infeed end and pushed along the stainless steel track. As clamshells are laid onto the track and pushed ahead, containers are volumetrically filled from the stainless steel hopper above. Once containers have passed through the filling section, they are manually removed from the filler and closed by hand.

Push-Thru Clamshell Filler Capacities

Capacity (Containers per Minute)

Dependant on speed of user's manual placement onto the filler and manual removal of containers off of filler



VOLUMETRIC CLAMSHELL FILLERS

LAKWOOD
PROCESS MACHINERY

CLAMSHELL FILLERS

FILL PINTS AT UP TO 6,000 LBS / HOUR WITH THE CS1 FILLER

LAKWOOD PROCESS MACHINERY **CS1 Volumetric Clamshell Fillers**

- **All stainless steel construction**
- **Includes powered paddle closer**
- **Adjustable hopper height from 42" to 52"**

Clamshells are fed onto live belts and stay on the same belt until discharge. As the clamshell moves under the fill hopper, it is filled to the specified volume and stays there until the next clamshell replaces it. Filled clamshells are closed and conveyed where they can be packed.

The CS1 filler paired with a wheel denester make a great filling system for those looking to primarily pack pints without much container changeover.

CS1 Clamshell Filler Capacities

Model	Capacity (Containers per Minute)
Single Lane	150 Clamshells per minute

** Capacities of 200+ containers are based on running pint containers - capacities for larger or different sized clamshells may vary.*

CS1 Clamshell Filler Options

Labeler Options
Labeler can be mounted directly onto exit end of filler



VOLUMETRIC CLAMSHELL FILLERS

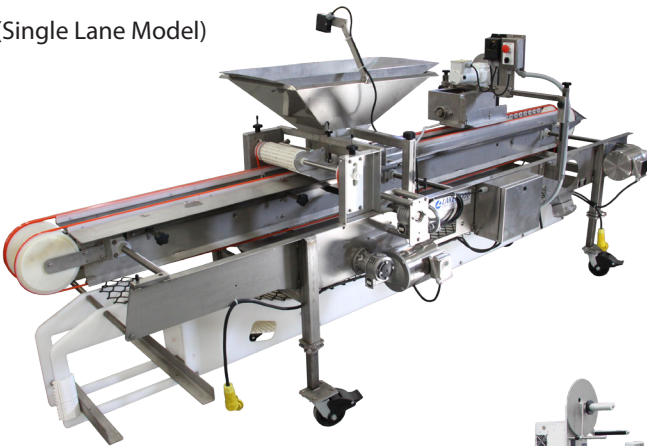
LAKWOOD'S TOP SELLING HIGH-SPEED VOLUMETRIC FILLERS

LAKWOOD Volumetric Adjustable Clamshell Fillers

- All stainless steel construction
- Tool-free adjustability for quick and easy change-over when switching clamshell sizes
- Includes spilled berry conveyor to keep spilled fruit off the floor and conveys it into a lug
- Includes powered paddle closer
- Adjustable hopper height from 42" to 52"
- Accepts all clamshell sizes from 4.4oz to 2.75lb
- Dual lane fills 2 different sized containers simultaneously

Clamshells are fed onto live belts and stay on the same belt until discharge. As the clamshell moves under the fill hopper, it is filled to the specified volume and stays there until the next clamshell replaces it. Filled clamshells are closed and conveyed where they can be case packed.

(Single Lane Model)



(Dual Lane Model)



Volumetric Clamshell Filler Capacities

Model	Capacity (Containers per Minute)
Single Lane	200+ Clamshells per minute
Dual Lane	400+ Clamshells per minute

* Capacities of 200+ containers are based on running pint containers - capacities for larger or different sized clamshells may vary.

Volumetric Clamshell Filler Options

Labeler Options

Labeler can be mounted directly onto exit end of filler (labeler shown mounted on lower left image)



(Single Lane Model)

LABELING SYSTEMS

LABELING SYSTEMS THAT SEAMLESSLY MATE UP TO LAKWOOD'S FILLING EQUIPMENT

QUADREL LABELING SYSTEMS **C1 Labeling System**

- **1500" per minute label dispense speed**
- **12" label roll diameter with 3" ID core standard**
- **Changeover is quick and easy with simple left hand or right hand labeling heads**


The C1 labels at speeds up to 1500" per minute label dispense speed while maintaining accuracy and reliable performance. Equipped with a high torque 4 phase digital stepping motor along with a fan cooled microstepping motor controller with fault protection.

The C1 has a photoelectric fork style label detect sensor including a product detect sensor with a universal mount.

Call for more information on Quadrel Labeling Systems.



QUADREL LABELING SYSTEMS **C1**
Labeling Head



This custom applicator features a 12" label roll diameter capacity with 3" ID core standard. Changeover is quick and easy with simple left hand or right hand labeling heads.

The C1 labels at speeds up to 1500" per minute label dispense speed while maintaining accuracy and reliable performance.

Equipped with a high torque 4 phase digital stepping motor along with a fan cooled microstepping motor controller with fault protection.

The C1 has a photoelectric fork style label detect sensor including a product detect sensor with a universal mount.

The M1.5 microprocessor features 50 label presets, touchpad controls, product and label counters and line speed compensation. This HMI provides password protected set-up screens with digital speed and delay controls along with full system diagnostics for ease of troubleshooting.

INDUSTRY
Electronics
Computer Hardware & Software
Food and Packaging

APPLICATION
Top/Side/Bottom

PRODUCTS
Flat Surfaced

PRODUCTION RATE
1500" per minute label dispense speed

7670 Jenther Dr, Mentor, OH 44060
440.602.4700
labeling@quadrel.com | www.quadrel.com

Call for a copy of the manufacturer's brochure

Labeler Capacities

Capacity
1500" per minute label dispense speed

Labeler Options

Labeler Options
Stepper Driven
Servo Driven
Clear Label Sensor

Also Available:

Labeling heads offering 3,000" per minute label dispense speeds, and 16" label rolls - Contact us for more information

(Two Quadrel Stepper Driven Labelers shown on a Lakewood Dual Lane Labeling Conveyor)



LABELING CONVEYORS

USE AFTER FILLING TO LABEL / TAPE THE TOPS OF CLAMSHELLS



Adjustable Labeling Conveyors

- Adjustable legs allow either horizontal or inclined operation
- Adjustable guide system easy to set for various size clamshells
- Top of lid guide holds down non-sealed clamshells
- All stainless steel construction
- Single and dual lane models available
- Variable speed conveyor

Typically placed in a filling line immediately after the clamshell filler. Containers are fed onto the infeed end of the conveyor and travel under the labeling head. A sensor triggers the labeler to dispense one label, which is dispensed at equal speed to the conveyor travel speed. The sticky back of the label adheres to the top of the clamshell. The labeled clamshell discharges off of the end of the conveyor onto the next piece of equipment.

Labeling Conveyor Speeds

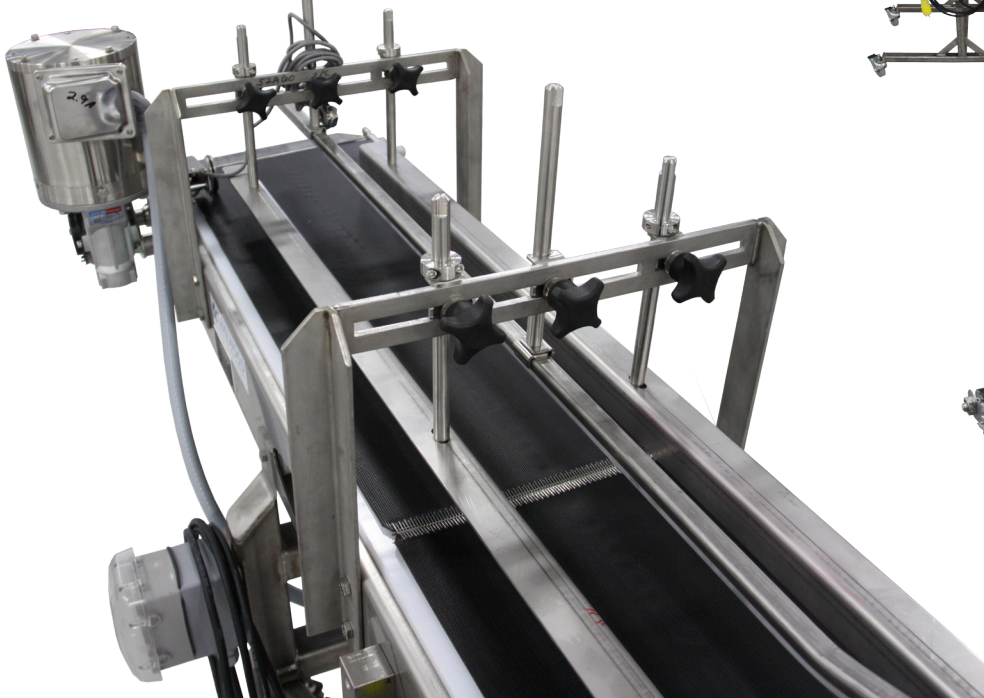
Model	*Capacity (Containers per Minute)
Single Lane	200+ Clamshells per minute
Dual Lane	400+ Clamshells per minute

** Actual sustainable speeds are dependent on customer's labeler speeds as well as the volume of clamshells entering the conveyor.*

Labeling Conveyor Options

Labeling Conveyor Options
Single Lane Labeling Conveyor
Dual Lane Labeling Conveyor

(Single Lane Model)



(Dual Lane Model)



CLAMSHELL CODING SYSTEMS



CODING SYSTEMS

CODING SYSTEMS THAT SEAMLESSLY MATE UP TO LAKEWOOD'S HIGH SPEED FILLING LINES

VIDEOJET Laser / Ink Jet Coding Systems

- Compact and versatile all-in-one clamshell coding solution
- Excellent mark quality and wide application range
- Quick start and simple operation

With the ever-changing food safety laws, traceability is becoming an important part of the packaging process. Videojet offers some of the industry's most innovative coding systems, now available in both food grade ink-jet and laser dispensing models.

Lakewood Process Machinery is an authorized dealer of Videojet products and is able to provide you with everything you need when it comes to clamshell coding.

Call for more information on Videojets coding systems.

Coder Capacities

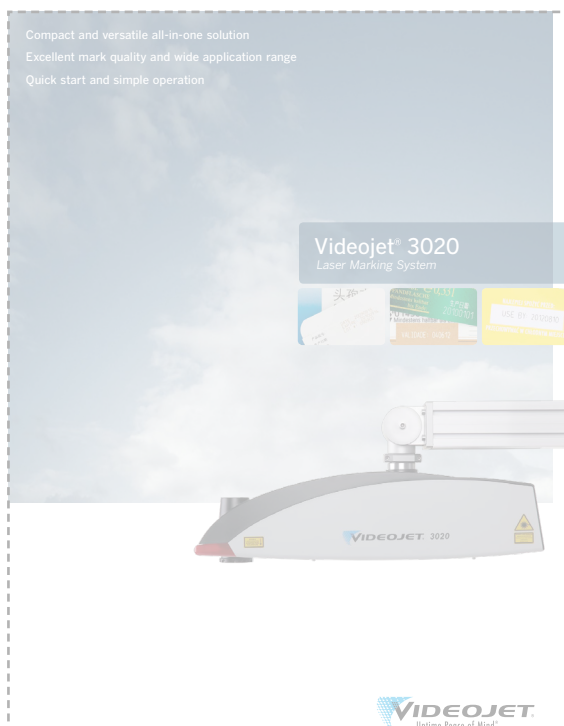
Model	Maximum Line Speed
Ink Jet	533 feet per minute
Laser	197 feet per minute

* Capacities listed are approximate maximum line speeds

Coder Options

Ink Jet Coder Options
Stand / No Stand
Food-Grade Ink Color (Red / Blue)

Laser Coder Options
Stand / No Stand



Call for a copy of the manufacturer's brochure

Contact us today to receive Lakewood's VOLUMETRIC FRESH PACK GUIDE

This guide allows you to browse Lakewood's numerous different 'standard' fresh pack lines using your projected volume, your current space restraints, or the combination of the two to find the perfect solution to your fresh packing needs.



4500 lbs per hour or less

Basic Econo-Pack Line A1

Flat Inspection / Sizer and Manual Push-Thru Filler
Approx. Dimensions = 18' x 5'

Econo-Pack Line for Pints A2

Flat Inspection / Sizer and Automated Pint Filling with Pack Table
Approx. Dimensions = 18' x 19'

Econo-Pack Adjustable Line A3

Flat Inspection / Sizer and Automated Adjustable Filling with Pack Table
Approx. Dimensions = 19' x 20'

Up to 6000 lbs per hour (for pints)

Basic T Volumetric Line for Pints B1

Air Cleaner, Inspection, Automated Pint Filling with Pack Table
Approx. Dimensions = 33' x 19' / 1 Sorter = 38' x 19' / 2 Sorters = 46' x 19'

Basic T Volumetric EXT Line for Pints B2

Air Cleaner, Extended Inspection, Automated Pint Filling with Pack Table
Approx. Dimensions = 36' x 19' / 1 Sorter = 41' x 19' / 2 Sorters = 49' x 14'

Basic Straight Volumetric Line for Pints B3

Air Cleaner, Inspection, Transfer Conveyor, Automated Pint Filling with Pack Table
Approx. Dimensions = 38' x 14' / 1 Sorter = 43' x 14' / 2 Sorters = 51' x 14'

Basic Straight Volumetric EXT Line for Pints B4

Air Cleaner, Extended Inspection, Transfer Conveyor, Automated Pint Filling with Pack Table
Approx. Dimensions = 42' x 14' / 1 Sorter = 47' x 14' / 2 Sorters = 55' x 14'

Essential Destemming Straight Volumetric Adjustable Line

8000 lbs or less per hour

Approximate Dimensions = 57' x 14' / 1 Sorter = 61' x 14' / 2 Sorters = 66' x 14'

The Essential Destemming line introduces our Fresh Berry Destemmer which gently and effectively removes stems from your fresh berries.



Easy-Flow Air Cleaner



Fresh Berry Destemmer



Flat Inspection Conveyor



Elevating Transfer Conveyor

- Berries are run through the Easy-Flow Air Cleaner.
- Once through the Air Cleaner stems are gently pulled from the berries by the fresh-berry destemmer. As berries continue on down the line stems are collected beneath the destemmer in a collection pan.
- Once through the Destemmer, berries are inspected on the Elevating Inspection Conveyor and transferred over to the filler.



Clamshell Scissors Destemmer



Single Lane Adjustable Filler

- Berries will continue onto the SLA Volumetric Filler where a single lane Scissors Destemmer will distribute clamshells to the filler's infeed section.
- Clamshells are filled volumetrically by the SLA Filler.

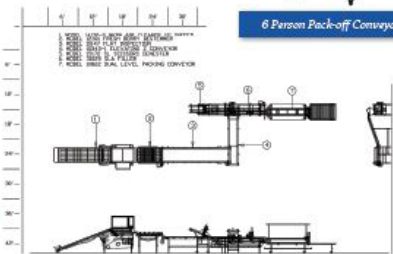
- After clamshells are filled, they are case packed from the dual level pack-off conveyor.



6 Person Pack-off Conveyor

Important Notes

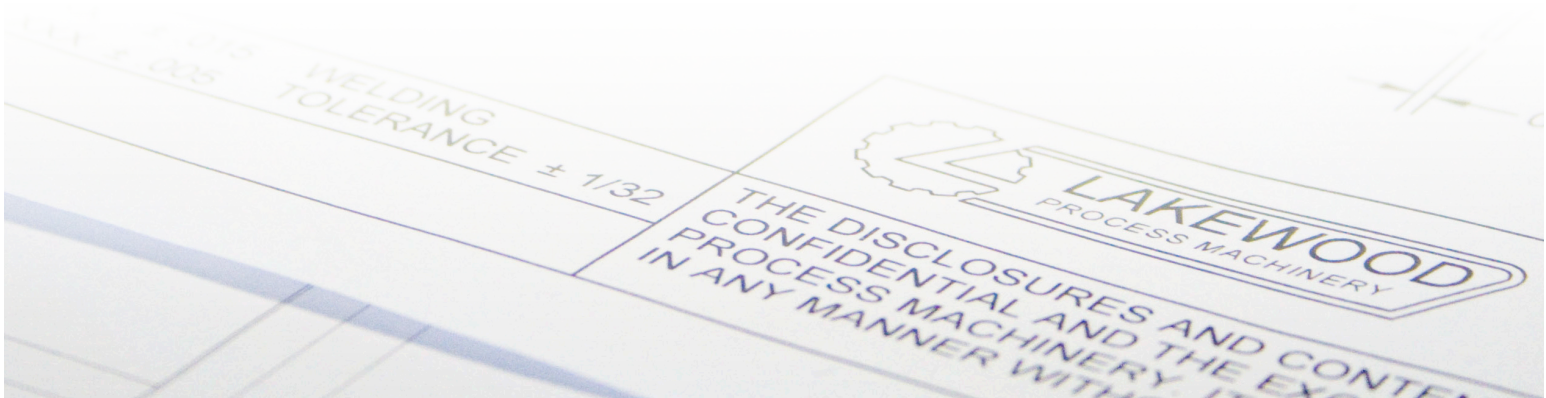
This line comes standard with a 12' infeed conveyor on the Air Cleaner



D3

Or view online @

<http://www.lakewoodpm.com/fresh-guide>



CLAMSHELL CHECKWEIGHERS



Checkweighers

QUICKLY & ACCURATELY ENSURE PACKAGES MEET FILL REQUIREMENTS
BY CHECKING THE FINAL WEIGHT OF THE FILLED PACKAGE

Clamshell Checkweigher

- **Bright LED screen displays last weight and set-point functions**
- **Easy-to-operate keypad for weight entry**
- **Adjustable in-feed and out-feed height**
- **Stainless steel wash down design**
- **Weights products from 110 grams to 10lbs**

Full clamshells flow over the weighing scale. The scale checks the weight of the clamshells to the specified weight. Containers outside of the weight range trigger an indicator light on the checkweigher and are removed from the line by the pneumatic reject arm (shown bottom right)

Checkweigher Capacities

Model	*Capacity (Containers per Minute)
Single Setup	150 Clamshells per minute

** Actual sustainable speeds are dependent on container size and the overall speed of your packing line*

Checkweigher Options

Checkweigher Options
Casters



Pneumatic Reject Arm

Scale



DUAL LEVEL PACKING CONVEYORS

FAST AND EFFICIENT CLAMSHELL CASE PACKING MADE EASY



Dual Level Packing Conveyors

- **Stainless steel easy-to-clean design**
- **Multiple length options to suit your specific operation**
- **Full case collection conveyor included**
- **Lowest profile top conveyor deck in the industry - less drop height from conveyor to case**

Full clamshells are conveyed onto the packing conveyor while empty cases are stored above. Packers pull an empty case from above and fill it with clamshells. When full, the case is slid underneath the clamshell conveyor onto a case conveyor, which discharges it off the end onto a roller track conveyor (shown at bottom right) where cases are staged prior to palletizing.

This is the most efficient method to case pack clamshell containers. Time is not wasted carrying away full cases, or retrieving empty cases as all are within reach of every packer, therefore reducing the time and labor needed to fill cases.

Packing Conveyor Models

Models Available	Conveyor Length
2 Person	5'
4 Person	6'
6 Person	9'
8 Person	12'
10 Person	16'
16 Person	20'

Packing Conveyor Options

Packing Conveyor Options
Overhead Roller Track Conveyor
Overhead Box Shelf
Overhead Powered Box-Delivery Conveyor System
Bottom of Clamshell Coding System
Lug Racks at Either End

(6 Person Model Shown with standard overhead shelf)



(8 Person Model Shown with overhead roller track shelf)



(10 Person Model Shown with overhead roller track shelf)



(Full Case Collection Gravity Roller Conveyor - included with each Dual Level Packing Conveyor)



ROTARY PACKING TABLE



CASE PACKING

EFFICIENT METHOD TO ACCUMULATE PRODUCT OR PACKAGES FOR CASE PACKING, BAGGING, OR SORTING APPLICATIONS

Rotary Packing Table

- **Stainless steel, easy to clean design**
- **Adjustable height from 26" to 36"**

Product is conveyed onto the packing table as it rotates around. Workers can surround the perimeter of the table to pack product in cases, bags, or other types of containers.

The Rotary Packing Table is Lakewood's most economical case packing option, and the perfect solution for packing facilities who are tight on space.

Rotary Packing Table Models

Models Available
48" Diameter
60" Diameter

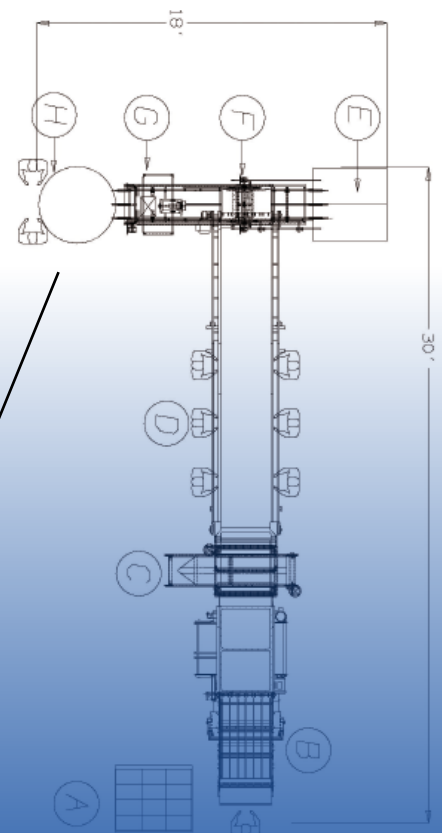
Rotary Packing Table Options

Rotary Packing Table Options
Stainless Steel Rim

Adjustable arm to contain / move product towards the center of the table as it rotates



(Rotary packing table shown here in a Lakewood fresh packing line layout)



EFFICIENT AND EASY-TO-OPERATE FRESH PACK BOX FILLING SYSTEMS

LAKWOOD PROCESS MACHINERY SP Series Box Filler

- **High-speed 'bulk-fill' / Low-speed 'final-fill' to ensure accuracy**
- **Controls mounted on-board**
- **Programmable weight settings from 0-85lbs**
- **Adjustable scale heights to fit a wide range of boxes**
- **Easy-to-clean all stainless steel design with no trap points for debris**

SP100: Product is conveyed into the initial filling hopper. Once set points are set and a box is in place, with a push of a button, product is fed into the box below. As the weight approaches the final fill weight, the metering feed slows down for accurate filling every time. Once the final fill weight has been achieved, the filler automatically stops to allow for the removal of the full box.

(SP100 Shown with belt-feed style feeder tray
- also available with a vibratory feeder tray)



(SP100 Shown with **scale platform**, where product is weighed on scale during the filling process)

SP Series Box Filler Capacities

Model	Scale Style	Lbs per Hour
SP100 Belt Feed	Scale Platform	6,000
SP100 Vibratory Feed	Scale Platform	6,000
SP150	Weigh-Hopper	4,000

SP Series Box Filler Options

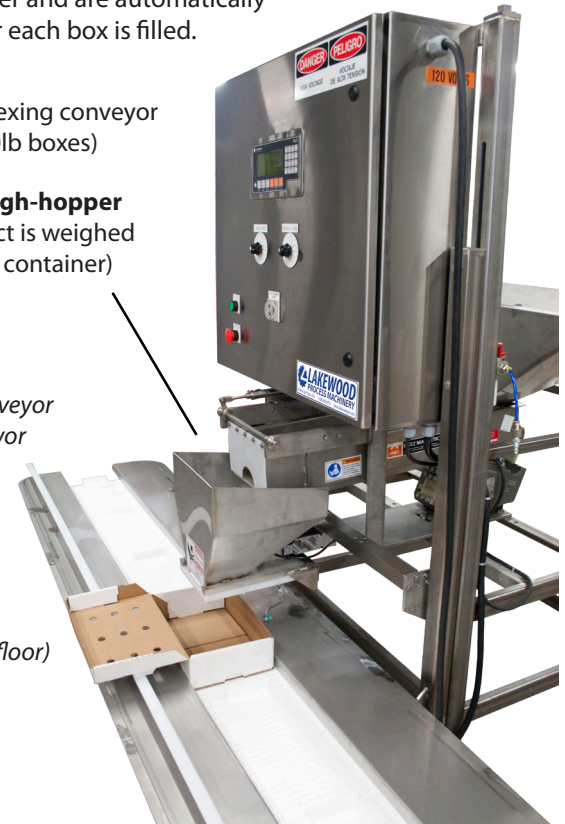
SP Box Filler Options
Belt-Conveyor Style Feeder Tray
Vibratory Feeder Tray
Automated Indexing Conveyor
Roller Track Conveyor

SP150: Produce is conveyed into initial hopper and then onto a belt or vibratory feeder tray, which feeds the weigh-hopper above the empty box ready to be filled. As the weigh-hopper nears the specified weight, a dribble gate is activated to maximize accuracy until the scale has reached the correct weight. Boxes are indexed on the conveyor below the weigh-hopper and are automatically conveyed forward after each box is filled.

(SP150 Shown with indexing conveyor option built for 5 and 10lb boxes)

(SP150 Shown with **weigh-hopper** scale style where product is weighed in hopper prior to filling container)

(The SP150 Indexing conveyor features a flighted conveyor belt which brings any spilled product to the end of the conveyor and drops it into a lug (lug rack included) below the conveyor to keep all spilled product off of the floor)



FRESH PACK BOX FILLERS



BOX FILLING

EFFICIENT AND EASY-TO-OPERATE FRESH PACK BOX FILLING SYSTEMS

SP Series 2-Head Box Filler

- High-speed 'bulk-fill' / Low-speed 'final-fill' to ensure accuracy
- Controls mounted on-board
- Programmable weight settings from 0-85lbs
- Adjustable scale heights to fit a wide range of boxes
- Easy-to-clean all stainless steel design with no trap points for debris

SP200 w/ Indexing Conveyor: Product is conveyed into the initial filling hopper and boxes are staged on the indexing conveyor. Product travels from the initial hopper into the (2) boxes below via vibratory feeder trays. As the scales beneath the boxes near the specified weight a dribble gate is activated to maximize accuracy until the scales have reached their correct weights. Once the boxes have met their weight they are automatically conveyed away while 2 more boxes are automatically staged on the scale beds beneath the filling trays .



(SP200 Shown with **scale platforms**, where product is weighed on scale during the filling process)

SP Series Box Filler Capacities

Model	Scale Style	Apprx lbs per Hour
SP200 Belt Feed	Scale Platform	8,000
SP200 Vibratory Feed	Scale Platform	8,000
SP250	Weigh-Hopper	8,000

SP Series Box Filler Options

SP Box Filler Options	Models Related
Belt-Conveyor Style Feeder Tray	SP200, SP250
Vibratory Feeder Tray	SP200, SP250
Automated Indexing Conveyor	SP200, SP250
Roller Track Conveyor	SP200

SP250: Product is conveyed into initial hopper and then onto two separate vibratory feeder trays, which feed the weigh-hoppers above the empty boxes ready to be filled. As the weigh-hopper nears the specified weight, a dribble gate is activated to maximize accuracy until the weigh-hoppers have reached the correct weight. Boxes are indexed on the conveyor below the weigh-hoppers and are automatically conveyed forward after each box is filled.



(SP250 Shown with **weigh-hoppers**, where product is weighed in hopper prior to filling container)

FLOW-SPLITTING CONVEYOR SYSTEMS

DIVIDE & DIRECT YOUR PRODUCT TO TWO SEPARATE FILLING STATIONS WITH EASE



Flow Divider Conveyors

- **Easy-to-clean, heavy duty stainless steel frame**
- **Shaft mounted gear drives**
- **Standard *divider travel distance of 36"**
- **Variable speed controls available**
- **Hand Crank or Field mounted divider switch available (adjust product flow from a remote switch mounted on a filler, or other piece of equipment in your line)**

"Flip-Chute" Flow Divider

Ideal for those who require complete adjustability of line flow, all on one conveyor, while running product from two separate fresh pack grading lines. Two belts run in opposite directions, allowing the simple flip of a chute to adjust the product flow to either end of the conveyor system.



An operator adjusts the center divider to a desired position without affecting the conveyor's discharge point. This allows perfect control over the amount of product that feeds two machines or conveyors. It is not necessary to relocate conveyors or machines on the floor - Infeed conveyors feeding the flow divider remain in place. Machinery or conveyors located at the discharge ends of the flow divider belt also remain stationary while only the infeed position is mechanically moved.

(Flat) Flow Divider Conveyor Capacities

Working Width	Length	Belt	Capacity (lbs per hour)
20"	12'	Plastic / SS Wire	(+/-) 10,000 lbs per hour
20"	18'	SS Wire	(+/-) 10,000 lbs per hour
20"	20'	SS Wire	(+/-) 10,000 lbs per hour
20"	30'	SS Wire	(+/-) 10,000 lbs per hour

(Elevating) Flow Divider Conveyor Capacities

Working Width	Total Length	Extension Length	Elev. Adjustability	Belt	Capacity (lbs per hour)
18"	19.5'	3' Long both ends	0-20 Degrees	SS Wire	(+/-) 10,000 lbs per hour
20"	22'	5' Long both ends	0-22 Degrees	SS Wire	(+/-) 10,000 lbs per hour
20"	22'	6' Long one end	0-20 Degrees	Plastic	(+/-) 10,000 lbs per hour
20"	30'	6' Long both ends	0-15 Degrees	SS Wire	(+/-) 10,000 lbs per hour



* The standard total travel distance of the center divider on Lakewood's Flow Divider Conveyors is 36", allowing the divider to move 18" to the left or 18" to the right

Both elevating, and flat style flow divider conveyors are shown here. There are numerous options and customizable features available. Contact us for more information on how we can make our flow dividing systems work for you.

FLOW-SPLITTING CONVEYOR SYSTEMS

LAKWOOD
PROCESS MACHINERY

CONVEYORS

DIVIDE & DIRECT YOUR PRODUCT TO TWO SEPARATE GRADING LINES WITH EASE



Stagger Belt Conveyor

- All stainless steel construction / stainless motor
- Allows product to split off from a single conveyor to two separate conveyors
- 8 separate plastic staggered belts feed product on to conveyors evenly, avoiding a concentrated build up of product on the center of the conveyors below
- Telescopic adjustable legs

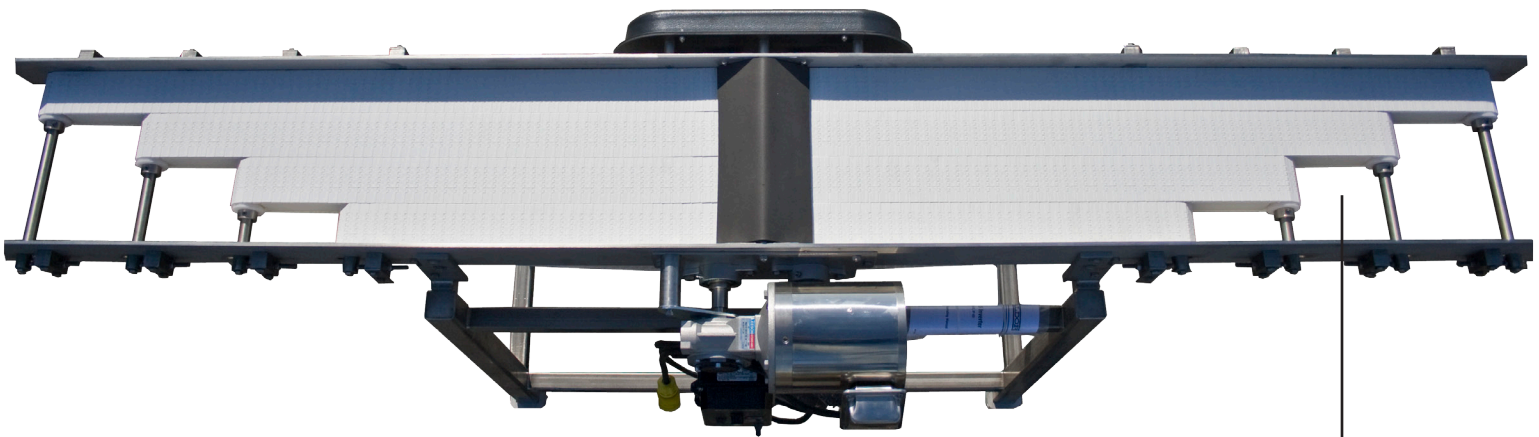
Stagger Belt Conveyor Capacities

Working Width	Length	Capacity (lbs per hour)
12"	9'	8,000

Stagger Belt Conveyor Options

Stagger Belt Conveyor Options
Variable Speed Controls
Custom Lengths Available
Casters

Berries are conveyed from a single infeed conveyor (commonly feeding from a color sorter) and onto the Lakewood Stagger-Belt. Once product reaches the stagger belt, berries are sent in opposite directions onto two separate grading conveyors. The innovative design spreads product out evenly to allow for more accurate and more efficient inspection of product.



Multiple staggered belts allow product to discharge from the stagger belt evenly onto conveyors below

TRANSFER CONVEYORS

AVOID THE NEED FOR PERSONNEL PLATFORMS BY LIFTING PRODUCT FROM YOUR GRADING CONVEYOR UP TO YOUR FILLER WITH THE 'Z-BELT'

LAKWOOD PROCESS MACHINERY 'Z-Belt' Transfer Conveyor

- Easy-to-clean design
- All stainless steel construction
- Stainless steel wire belt or Rubber belt
- Telescopic adjustable height legs

Typically installed at a right angle after inspection conveyors that are low enough to keep grading personnel standing on the floor and off of platforms. Product is fed onto the lower flat section of the conveyor and then up onto the inclined section to lift product to the final discharge height.

'Z-Belt' Transfer Conveyor Capacities

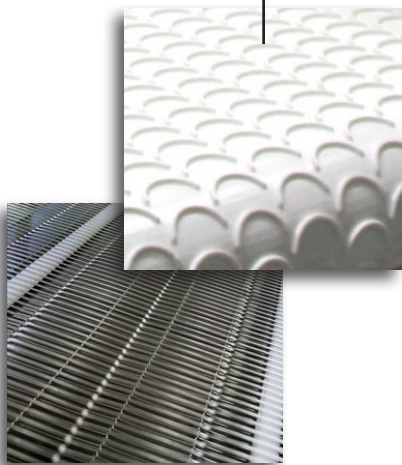
Working Width	Length	Lbs per Hour
22"	10'	8,000

'Z-Belt' Transfer Conveyor Options

'Z-Belt' Transfer Conveyor Options
Wire or Rubber Belting
Variable Speed Controls
Casters
Also available in custom lengths to fit your specific needs

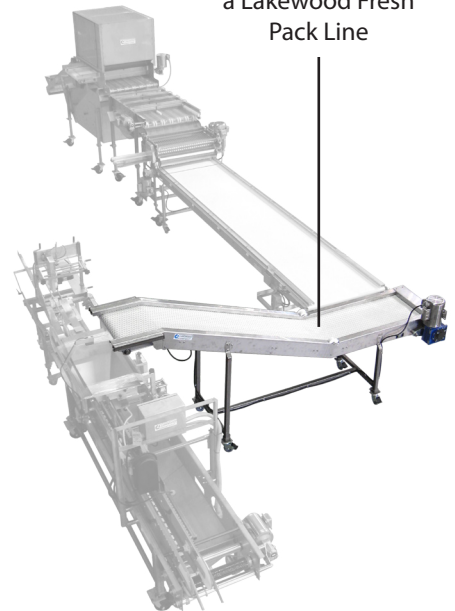


Belt Styles Available for Lakewood's Z-Belt Transfer Conveyor



Rubber 'Meat-Cleat' Belt / Stainless Steel Wire Belt

Z-Belt shown in a Lakewood Fresh Pack Line



TRANSFER CONVEYORS

LAKWOOD
PROCESS MACHINERY

CONVEYORS

CONTACT US TODAY FOR MORE INFORMATION ON ANY OF OUR CONVEYOR SYSTEMS

LAKWOOD PROCESS MACHINERY **Clamshell Transfer Conveyors**

Easily elevate clamshells from a filler to a packing table

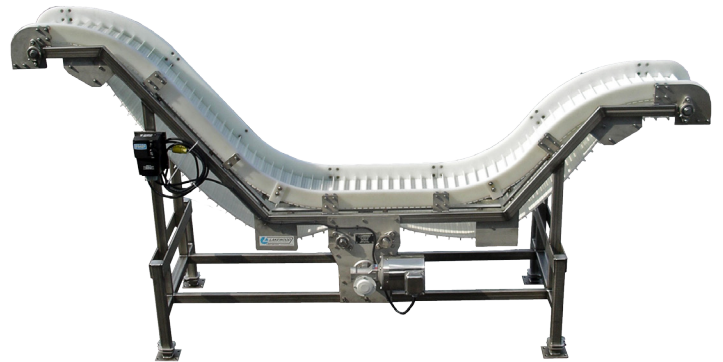
- Crank handle height adjustment (No tools necessary)
- Easy hand-operated angle adjustment (No tools necessary)
- Easy changeover from right hand to left hand
- All stainless steel construction / stainless motor
- Intralox flush-grid belting
- Variable speed control included



LAKWOOD PROCESS MACHINERY **Gull Wing Conveyors**

Keep two fillers each setup for a specific clamshell size and simply reverse the Gull Wing Conveyor to change container sizes

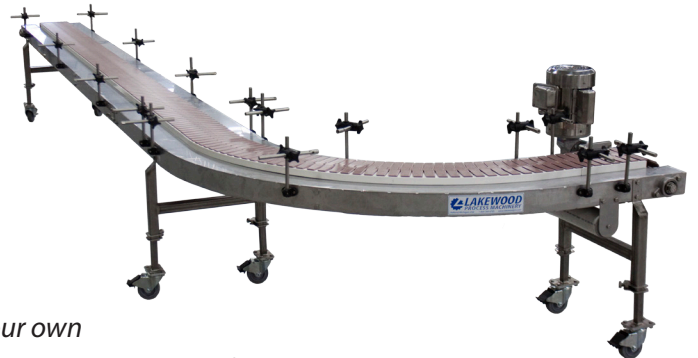
- Bidirectional belt
- Accepts almost any size grade belt
- All stainless construction
- Cleated plastic Intralox belt
- Conveyor built to reach the hopper height on fillers in a small amount of space



LAKWOOD PROCESS MACHINERY **Box / Container Turn Conveyors**

Turn boxes / clamshells / lugs 90 degrees with a Lakewood Turn-Conveyor

- All stainless steel construction
- Custom widths and lengths available



LAKWOOD PROCESS MACHINERY **Custom Transfer Conveyors**

We understand the challenge of putting together or adding on to your own packing line within the constraints of an existing facility. With Lakewood's endless transfer conveyor options, you have the opportunity to put your line together any way you want. We are more than happy to accommodate customers in need of custom conveyor systems - call for more information on what we have to offer!

PUSH THRU LUG & CONTAINER WASHER

QUICKLY FLUSH AWAY LOOSE DEBRIS & SANITIZE FIELD CONTAINERS

LAKWOOD PROCESS MACHINERY Push Thru Lug Washer

- Includes initial wash section, and rinse section
- Includes adjustable guide rail system
- Includes easy-access drain plug
- Includes sieve screen for debris removal

The container is positioned upside-down onto the lug washer's infeed guide rail section. As a second container is staged on the lug washer's infeed section, the first container is pushed through the wash manifold where the container is flooded from above and below. No corners or crevices are untouched. The water and debris that comes off of the container is screened through a sieve into a reservoir and recirculated. The containers exit the opposite end of the conveyor onto an accumulation zone.

Push Thru Lug Washer Capacities

* Push Thru Lug Washer Capacities (Lugs per hour)

Dependent on speed of personnel

* Capacities listed above are greatly dependent on the container size you are washing. Capacities listed are for 24" long lugs.

Push Thru Lug Washer Options

Push Thru Lug Washer Options

Sanitization Option (chemical pumps, storage, manifolds)

Lug Rack Mount

Heated Water

Exit End Option (lug rotator bar / lug collection conveyor)

Exit End Mount
Add-on



(See page #'s 39-40 for all of our lug washer features and options)

Shown with Picking Bucket Guide Rail Setup (Included)

POWERED THRU LUG & CONTAINER WASHER



CONTAINER WASHERS

QUICKLY FLUSH AWAY LOOSE DEBRIS & SANITIZE FIELD CONTAINERS

Powered Thru Lug Washer

- Includes initial wash section, and rinse section
- Includes adjustable guide rail system
- Includes easy-access drain plug
- Includes sieve screen for debris removal
- Includes exit end lug rotator / collection conveyor

The container is positioned upside-down onto the lug washer's conveyor on the infeed end. The conveyor carries it through the wash manifold where the container is flooded from above and below. No corners or crevices are untouched. The water and debris that comes off of the container is screened through a sieve into a reservoir and recirculated. The containers exit the opposite end of the conveyor onto an accumulation zone.

Powered Thru Lug Washer Capacities

* Powered Lug Washer Capacities (Lugs per hour)

Aprx 900 lugs per hour

* Capacities listed above are greatly dependent on the container size you are washing. Capacities listed are for 24" long lugs.

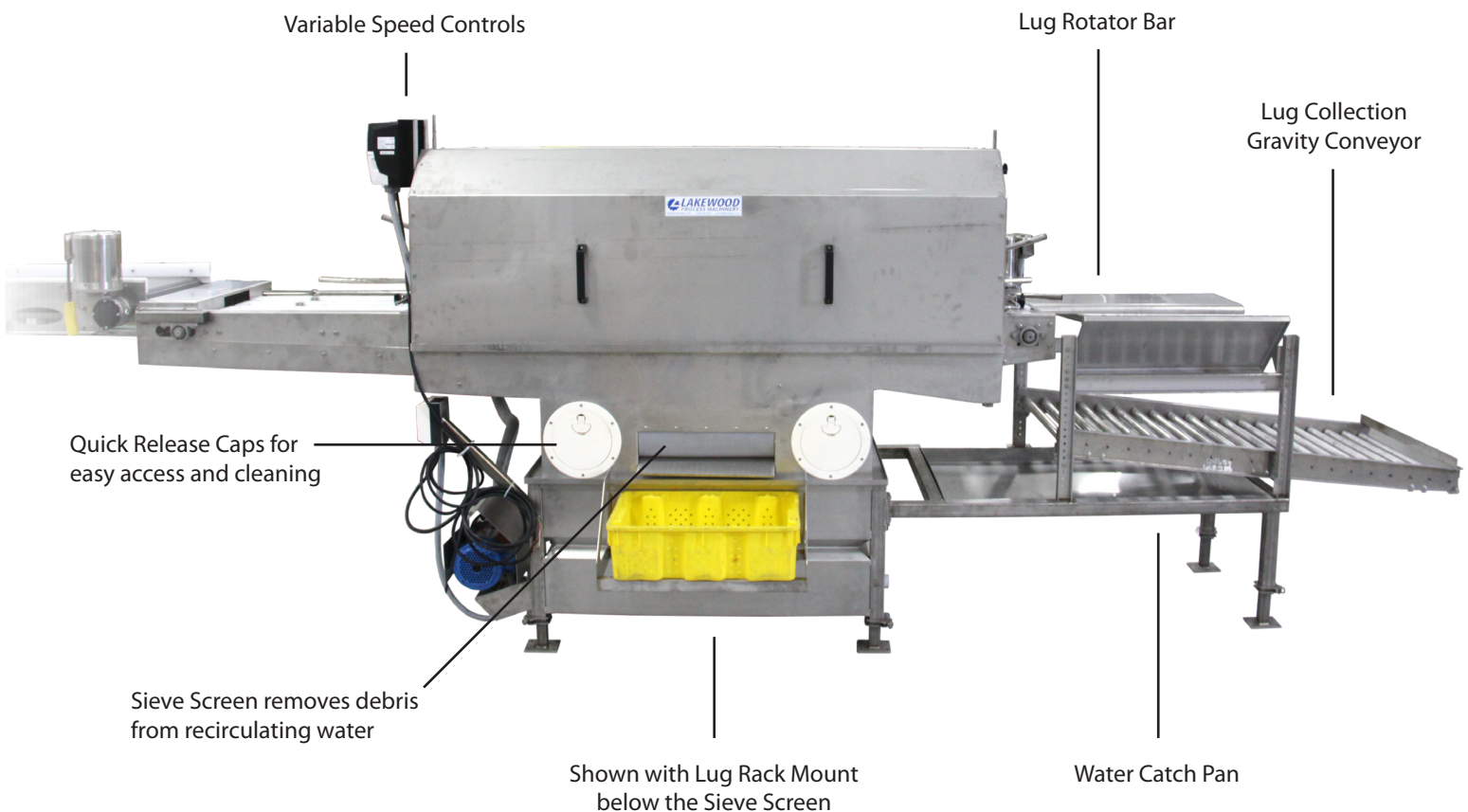
Powered Thru Lug Washer Options

Powered Thru Lug Washer Options

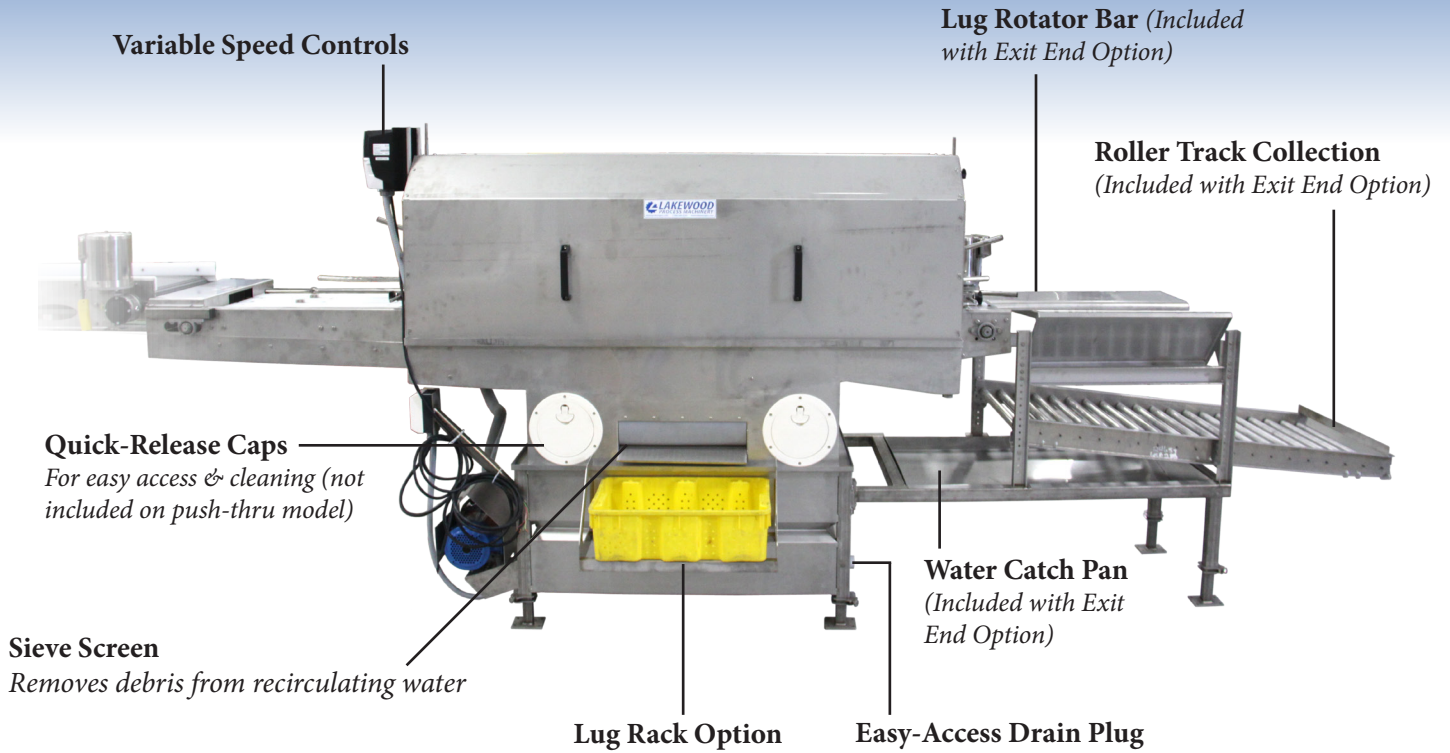
Sanitization Option (chemical pumps, storage, manifolds)

Lug Rack Mount

Heated Water



(See page #'s 39-40 for all of our lug washer features and options)



Initial Washing Section
Includes spray nozzles on all sides



Adjustable Guide Rails
Easily adjusted by hand for cleaning different sized lugs

Partition Wall
Separates initial wash section and sanitizing / rinse section

Sanitization Option



Sanitization Option Includes:

- Sanitization chemical pumps*
- Mount for 5 gallon chemical storage containers*
- Sanitization manifold in machine*

Rinse Bar
Includes spray nozzles on all sides



Sanitizing Section (Optional)
Includes spray nozzles on all sides

Powered Thru Lug Washer

- Includes powered conveyance system for automated 'powered-thru' wash
- Includes Variable Speed Drive for conveyer speed
- Includes Initial Wash Section, and Rinse Section
- Includes Quick-Release Caps for enclosed water storage with easy access
- Includes Exit End Option (Includes Lug Rotator Bar, Roller Track Collection, and Water Catch Pan)
- Includes Adjustable Guide Rail system
- Includes Easy-Access Drain Plug
- Includes Sieve Screen for debris removal

Add-on Options Available:

- Sanitization Option (Shown) includes sanitization chemical pumps (chemicals not included), Mount for 5 gallon chemical storage containers, and an added sanitization spray manifold within the wash booth
- Lug Rack Mount
- Heated water

Push Thru Lug Washer

- Includes Initial Wash Section, and Rinse Section
- Includes Adjustable Guide Rail system
- Includes Easy-Access Drain Plug
- Includes Sieve Screen for debris removal

Add-on Options Available:

- Sanitization Option (Shown) includes sanitization chemical pumps (chemicals not included), Mount for 5 gallon chemical storage containers, and an added sanitization spray manifold within the wash booth
- Lug Rack Mount
- Heated water (also add's Quick Release Caps for enclosed water storage with easy access)
- Exit End Option (Includes Lug Rotator Bar, Roller Track Collection, and Water Catch Pan)