



Application Album



www.voltabelting.com

VOLTA

The Next Step in Belting

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SuperDrive™

SuperDrive™ - *"Think Positive, Think SuperDrive™"*

SuperDrive™ positive drive conveyor belting is being used in a wide variety of food applications worldwide and has proven to be the best choice where sanitation, hygiene and conveying efficiency are of utmost importance.

The use of Volta SuperDrive™ positive-drive conveyor belting has proven its proper ability to reduce sanitation time, water and chemical consumption and lower bacteria counts.

Raw meat conveyed on Modular belt - High operation costs, Low profit.



Retrofitting the Modular belt with SuperDrive™ belt.
Hygiene improvement and Cost reduction.



FHB - 3 - SD



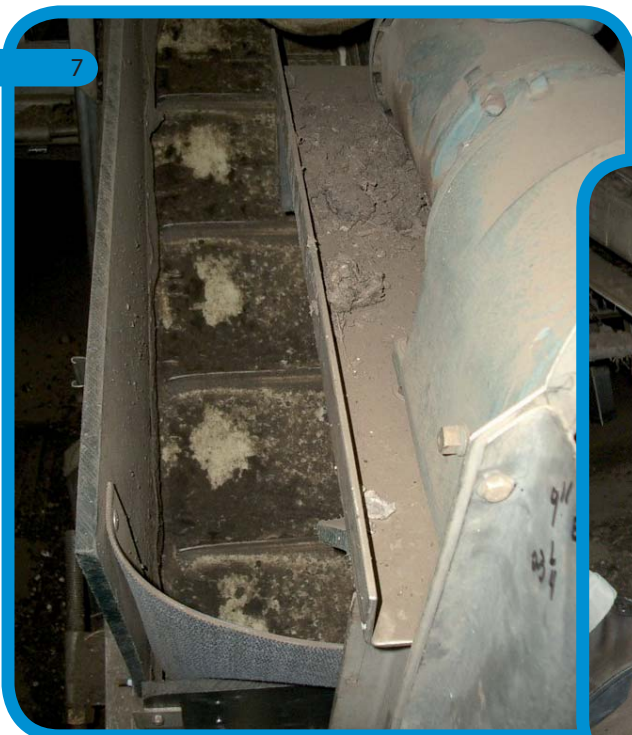
Retrofitting a Modular belt with SuperDrive™ belt with cleats.
Wear Resistant, Improved Hygiene & Reduced Noise.



FHB - 3 - SD



Retrofitting a rubber conveyor with SD for potato intake.
Cut and Impact Resistance.



FHB - 3 - SD



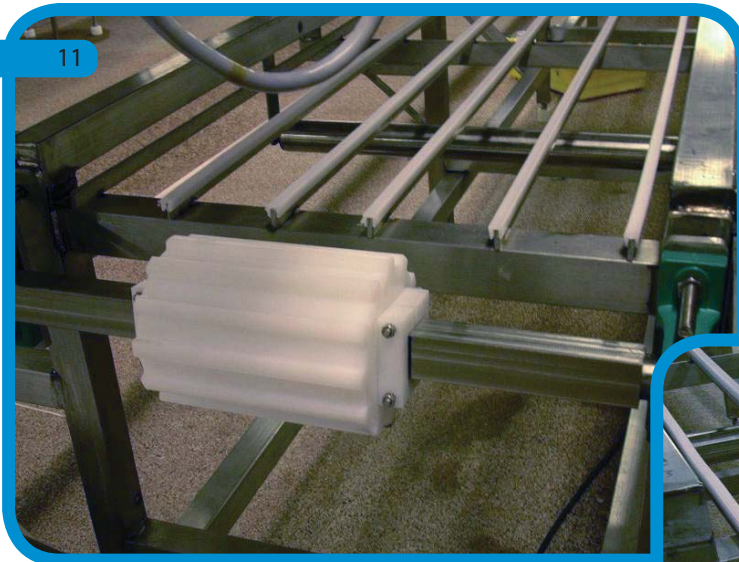
Removable UHMW sliding strips



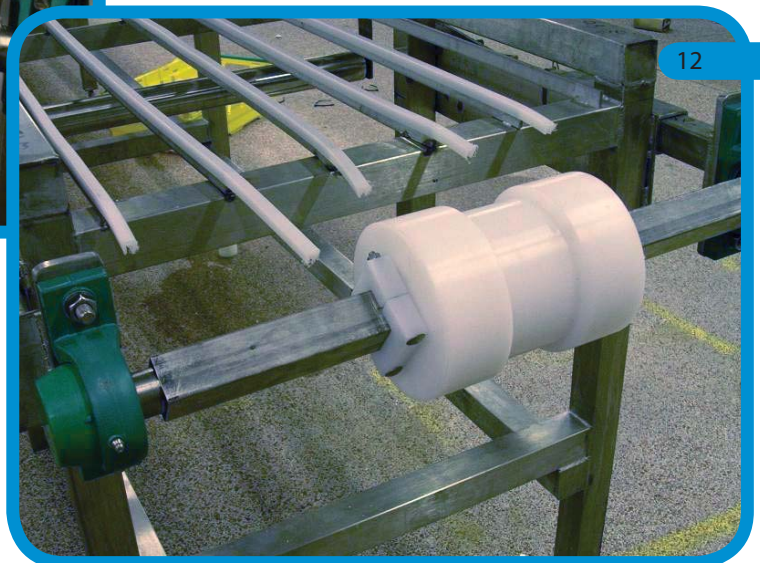
Stainless steel sliding strips



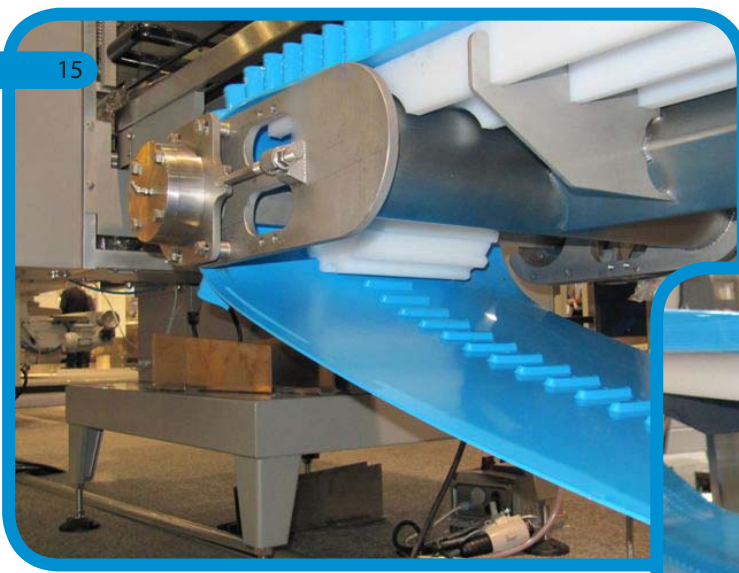
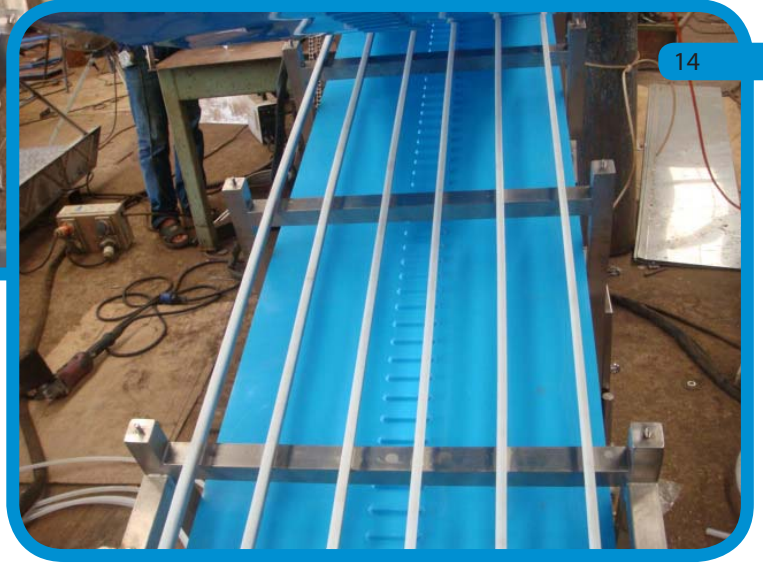
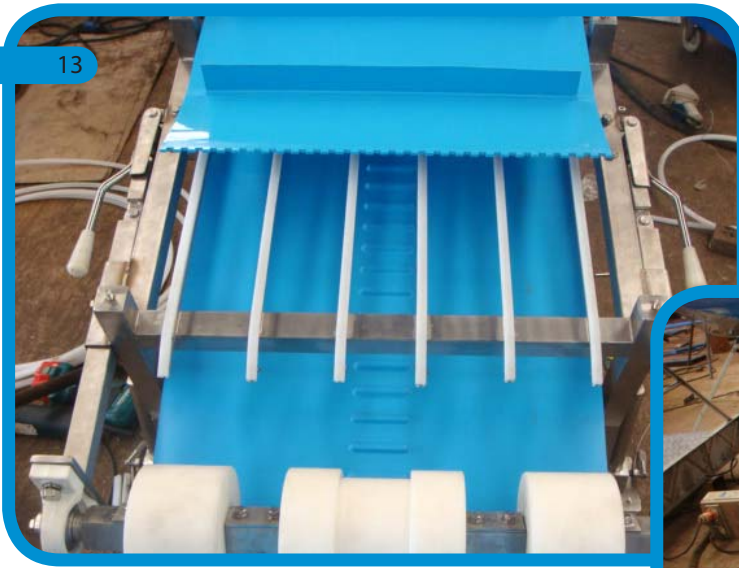
Volta Drive Pulleys



Volta Tail Pulleys



UHMW Sliding Strips



Drive Pulley



Quick Tensioning Device

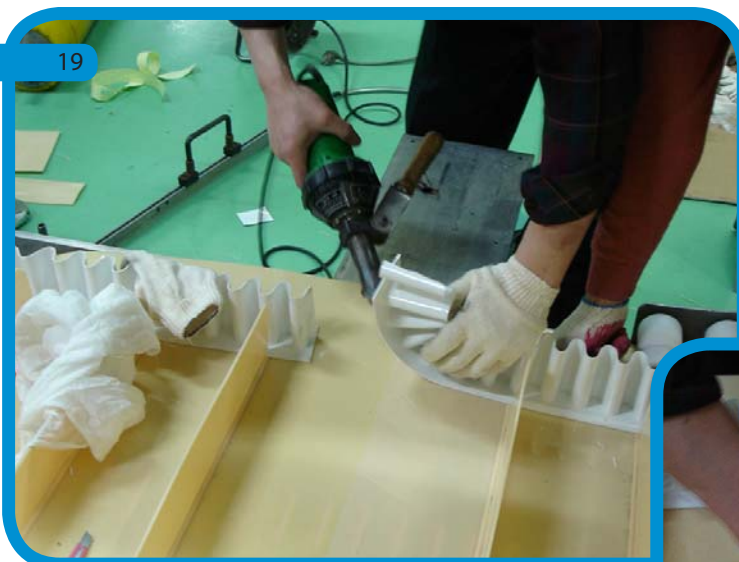
Endless Welding with Volta FT welding tool



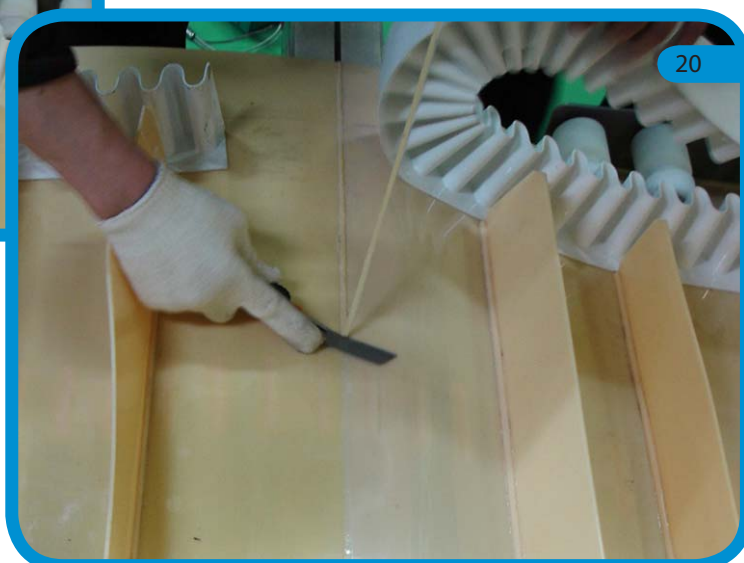
Endless Welding with Volta FBW welding tool



Welding the Sidewalls



Cleaning the excess melted material after welding

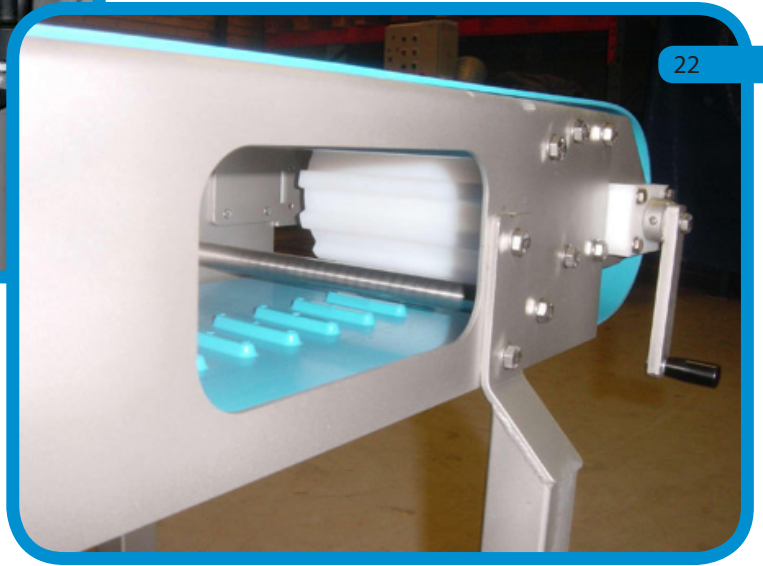


Demo Conveyors

21



22

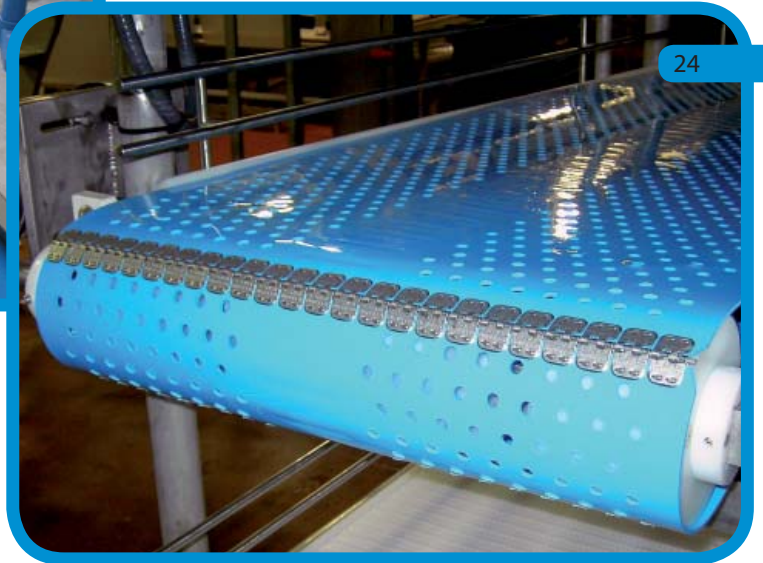


23



Metal Detector

24



Perforated SD Belt with metal lace

SD return side support - FHW - 3 - SD



Special Tailor-made Flights
FHW - 3 - SD



Spikes on Flat Food Belt



Felt on SD Belt
FHB - 3 - SD



Volta Hinge Lace

29



30



Stainless Steel Metal Lace

31



32



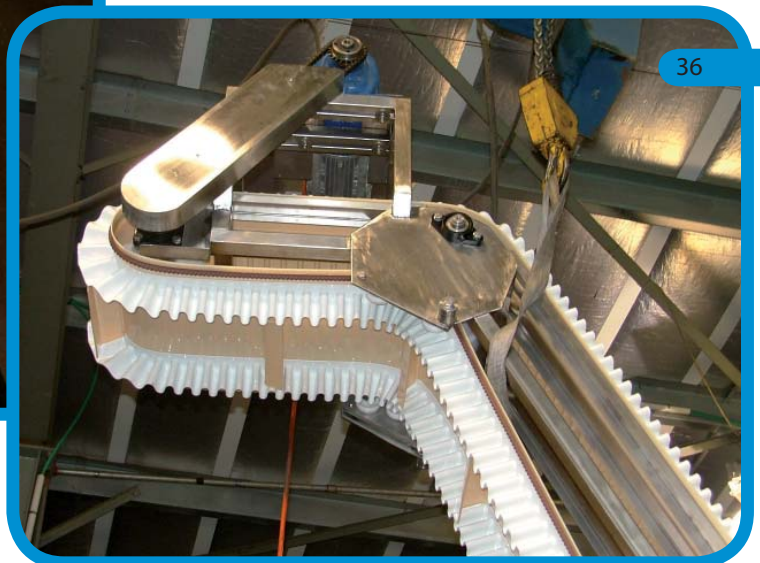
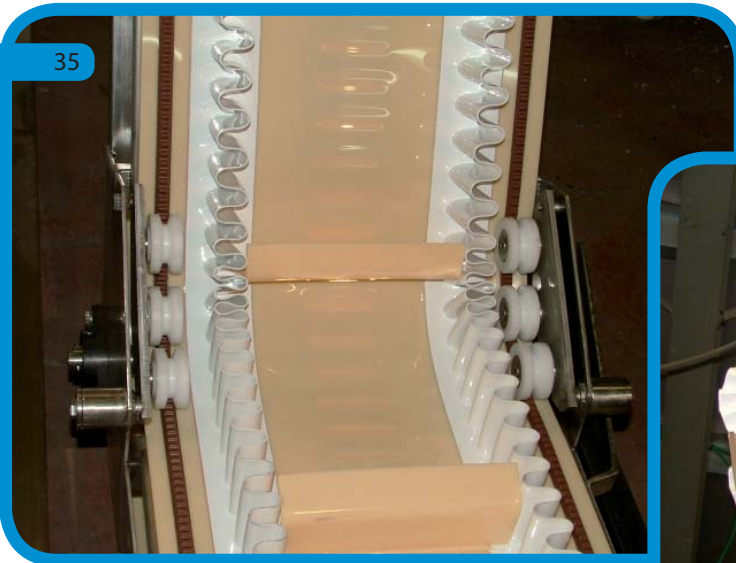
Plastic Lace

SD with Flights and Sidewalls

FMB - 3 - SD
in Meat Industry



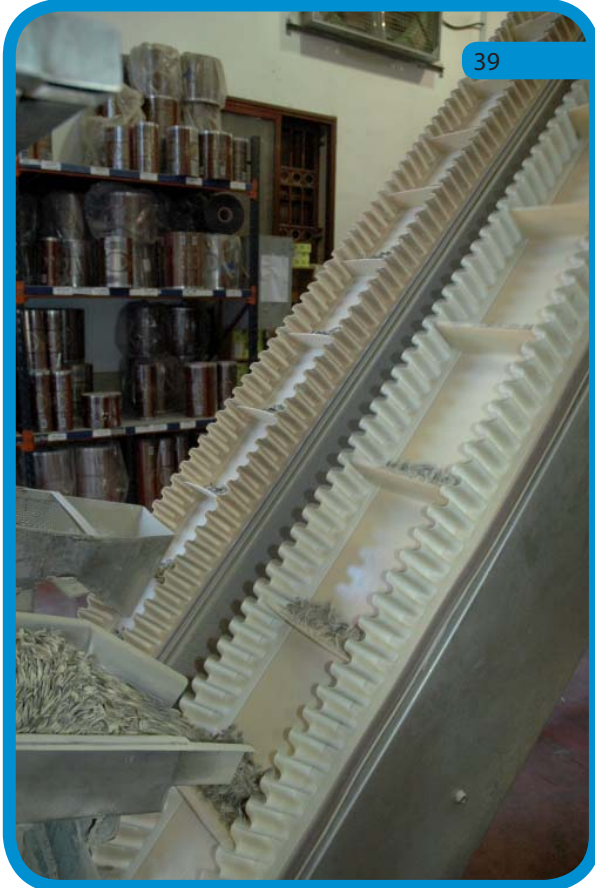
FMW - 3 - SD in Chocolate and Snacks Industry



Swan neck (Z) conveyors –SD operates without tensioning and is ideal for this application



FMW - 3 - SD Nuts and dried fruit applications



40



Swan neck (Z) conveyors

41



42

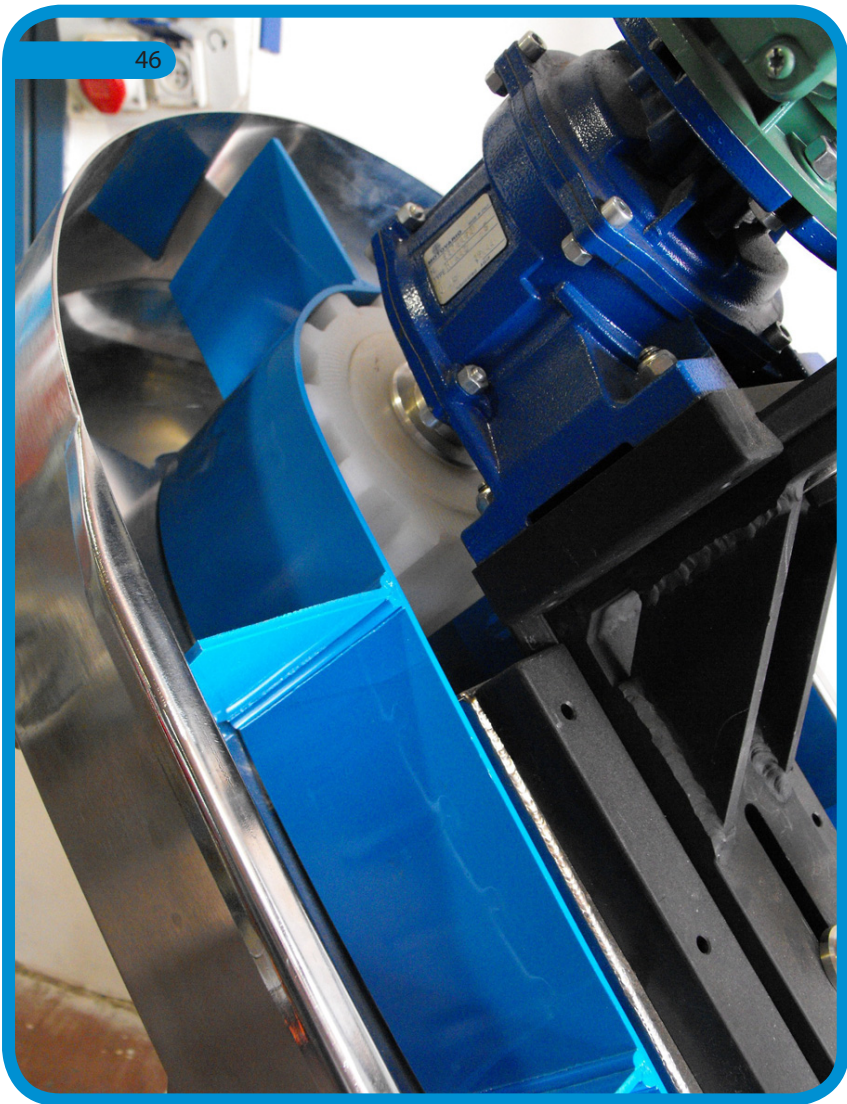


Cheese Industry
FMB - 3 - SD

43



SD Bead Elevator
FHB - 3 - SD



SD belts working in Trough Conveyors

47



48



49



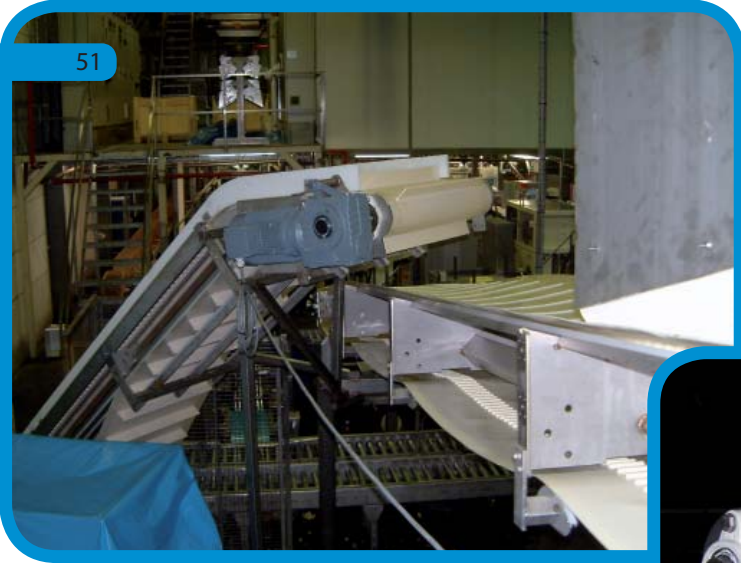
FHW - 3 - SD

50



SD in Potato processing

51



52



53



54



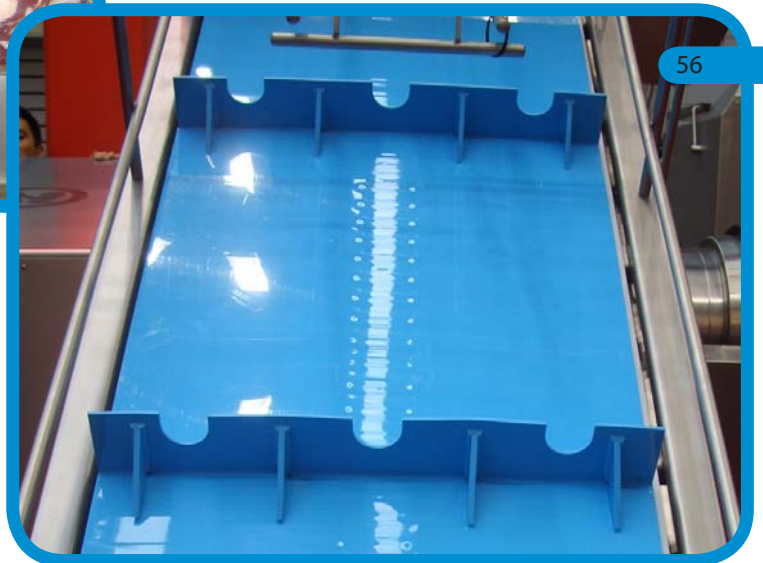
SD in Meat processing



55

FHW - 3 - SD

FHB - 3 - SD

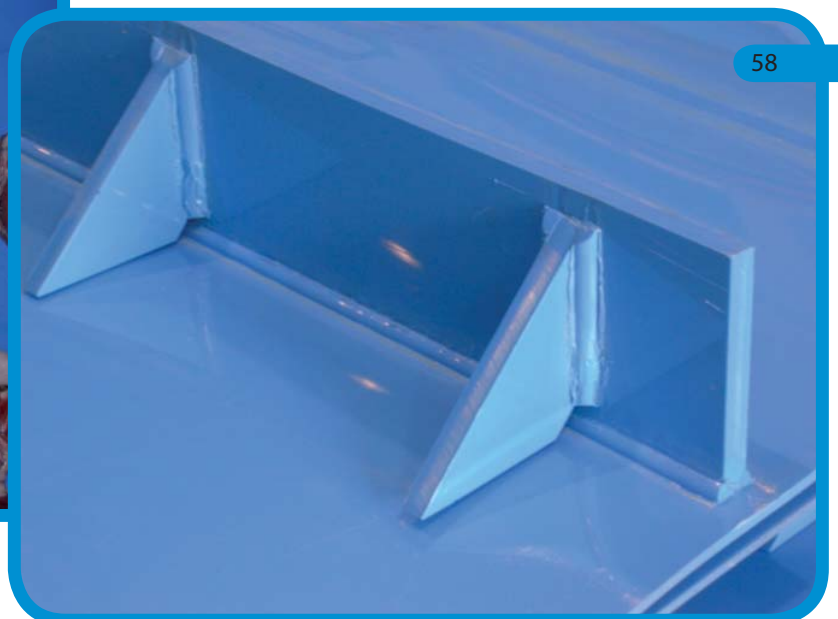


56

SD with Support Flights



57



58

SD in Meat processing



SD in Poultry processing



FMB - 3 - SD



FMB - 3 - SD



SD in Poultry processing

67



FMW - 3 - SD

68



FMB - 3 - SD

69



70



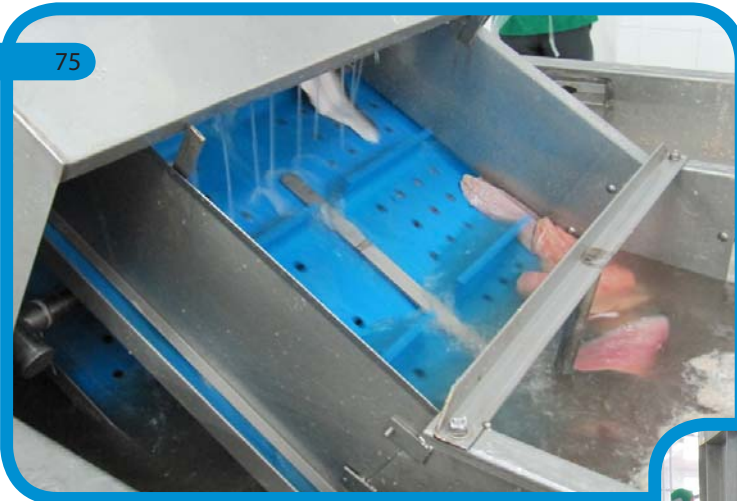
SD in Fish and Seafood processing

FHB - 3 & 4 - SD



SD in Fish processing

75



FMW - 3 - SD

76



77



FMB - 3 - SD

78





79

Bread Crumbs



80

Cabbage



81

SD with Sidewalls, Flights and Metal Lace in Peanuts processing



82

SD in Corn processing



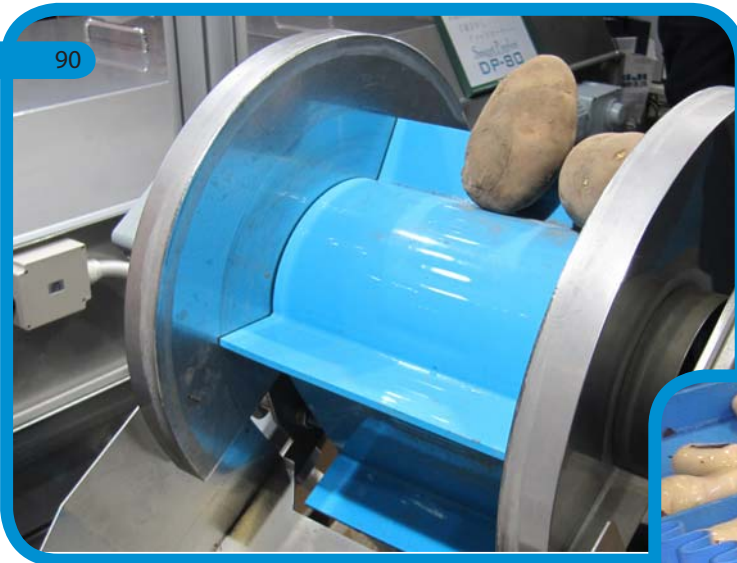
SD in Garlic processing



Perforated SD in Lettuce processing – working under water - FHB - 3 - SD



SD in Potato industry



90

FMB - 3 - SD



91



92

FMB - 3 - SD

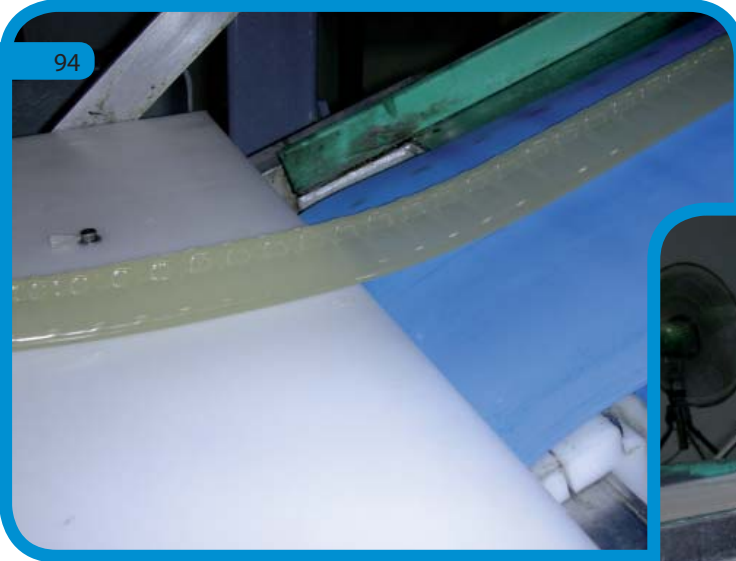


93

SD in Candy Production +80°C Melted Candy Mass

94

FHW - 3 - SD



95



FHB - 3 - SD

SD LT belt runs from deep freezer at -35°C to ambient of +5°C
in frozen cheese production

96

FMB - 3 - SD LT



97



DualDrive

DualDrive

The DualDrive belt replaces modular belts with minimal or no retrofit requirements and can run on certain styles of existing sprockets. Our own sprocket design will ensure longer life and optimal performance.

Another good reason to start using our DualDrive positive-drive belts is that they keep clean throughout your application processes due to their smooth operating surfaces.

Raw meat conveyed on Modular & Plyed belt.



98



99

Retrofitting to DualDrive belt
Hygiene improvement and Cost reduction.



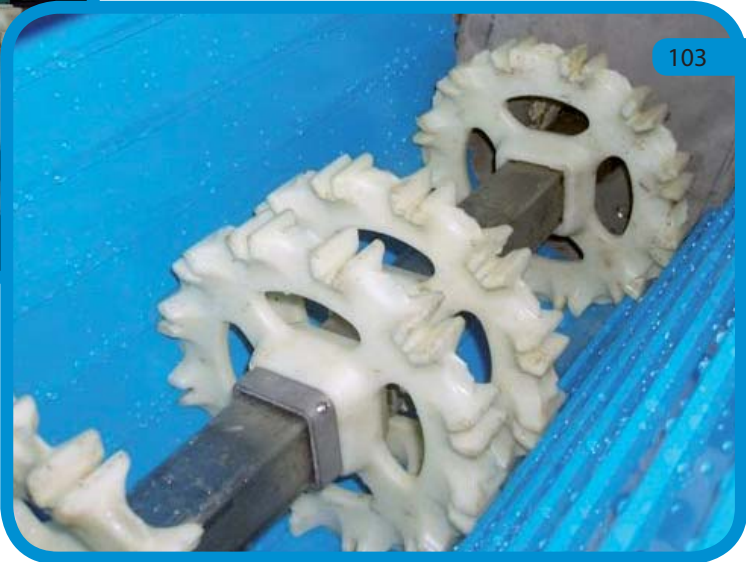
100

FMB - 3 - DD



101

Volta DualDrive with Flights replaces 2" pitch modular belts



Modular belt with Support

106



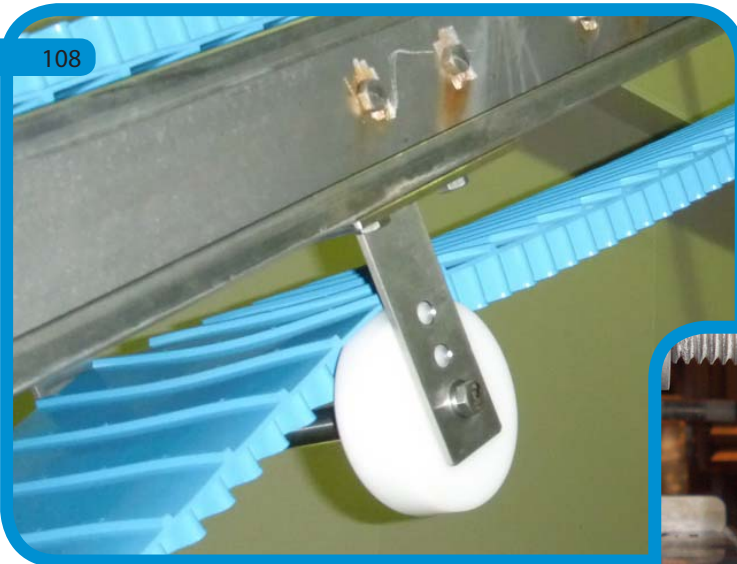
FMB - 3 & 4 - DD

107



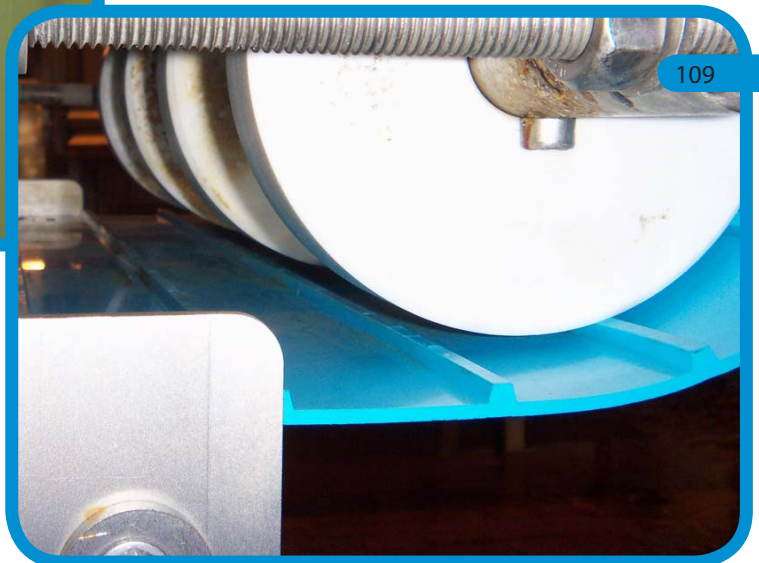
Return-way Support Roller

108

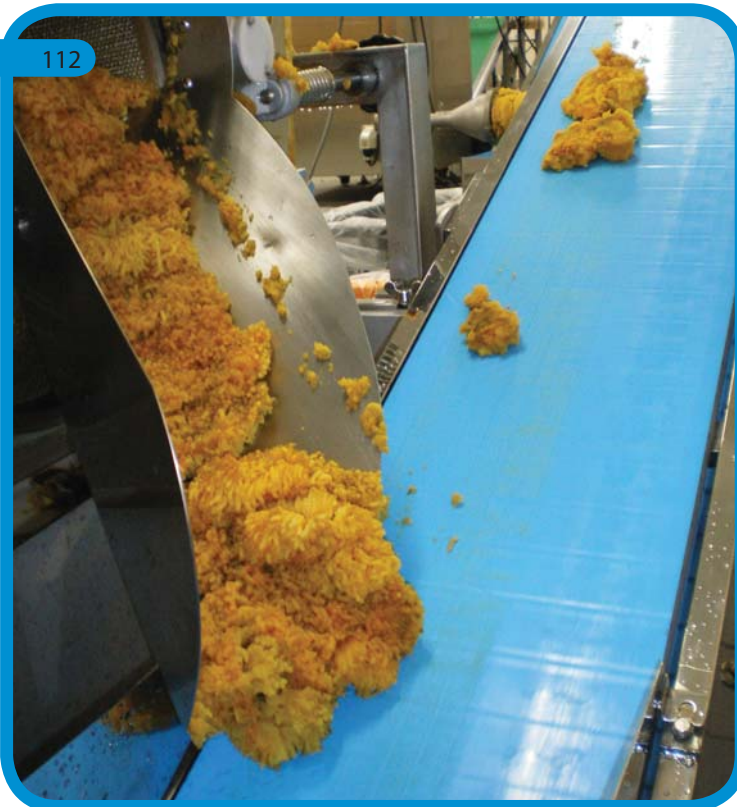


Smooth Tail Pulley

109



Volta DualDrive in Processed food industry

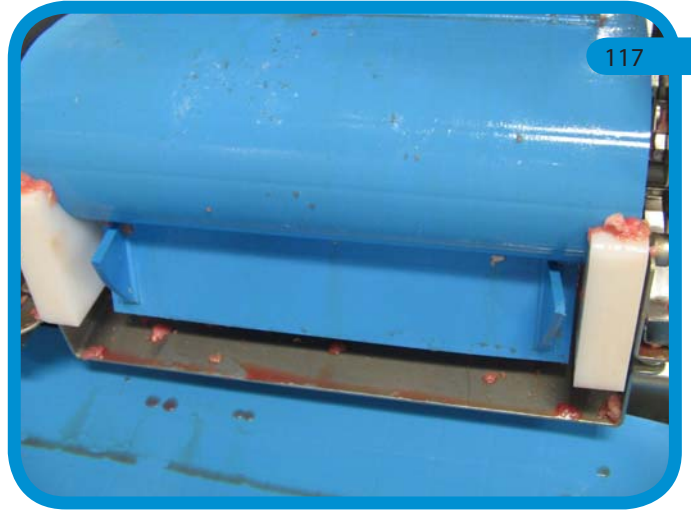


Volta DualDrive belt in the Meat industry

114



117



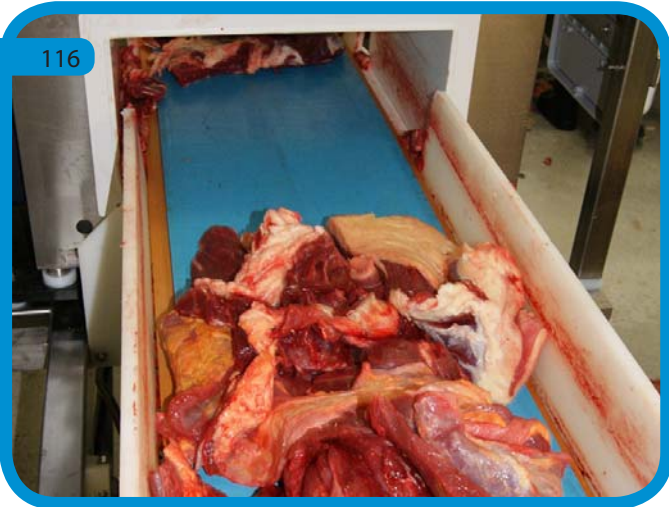
115



118



116



DDSP

DualDrive Small Pulleys

DualDrive Small Pulleys

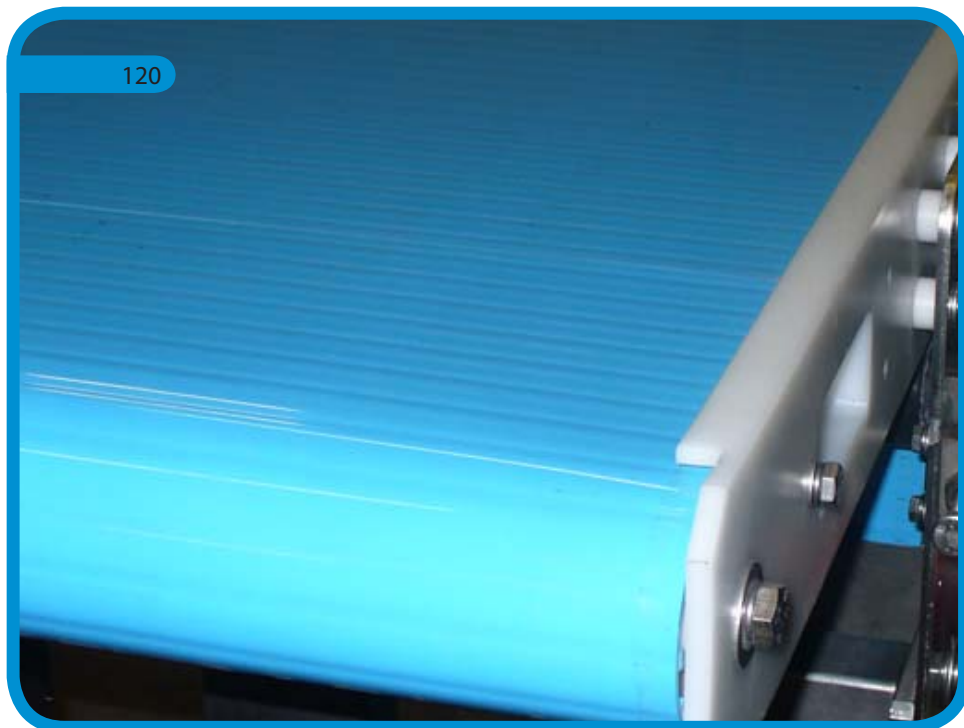
DualDrive SP is designed for a lighter conveyor construction since it works with a 50 mm pulley diameter and requires minimal tensioning. What's more, this relatively small pulley provides a tight transfer of the end product between conveyors, reducing product loss and overall conveying costs.

Cleaning the DualDrive SP positive-drive belt is very easy because of its homogenous smooth surfaces. As a result, cleaning shifts are shorter which significantly increase the production time as well as ensuring low costs and efforts in sanitation and water treatment.

Broken Modular Belt



Volta DDSP Belt

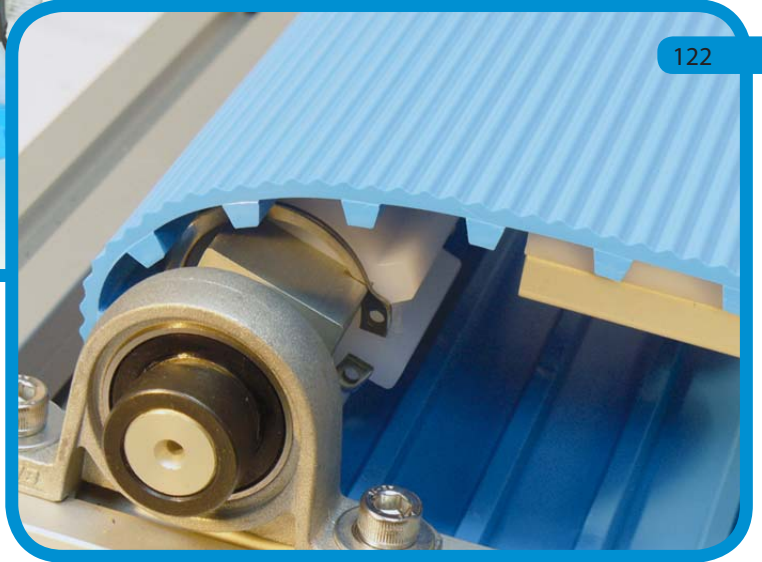


Volta DDSP Demo Conveyors

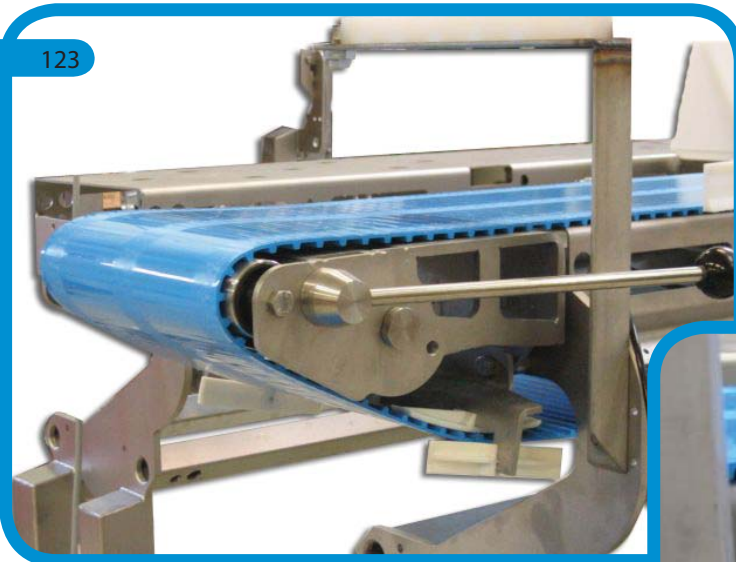
121



122

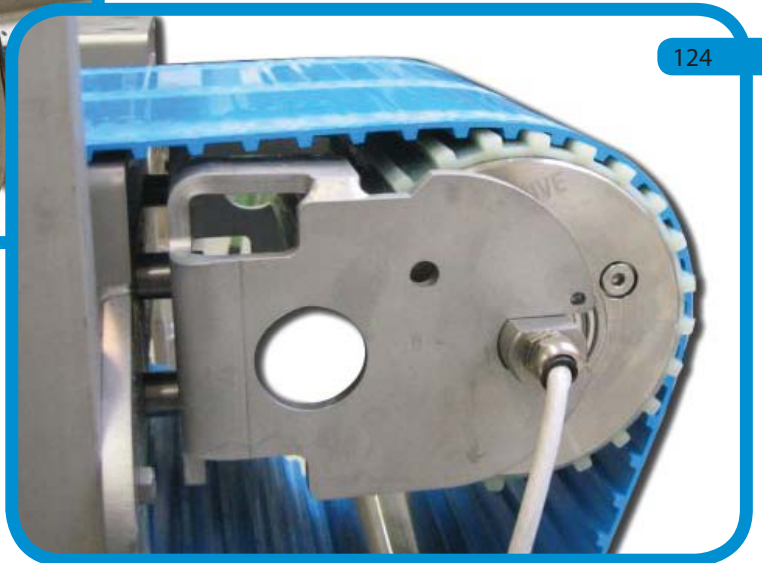


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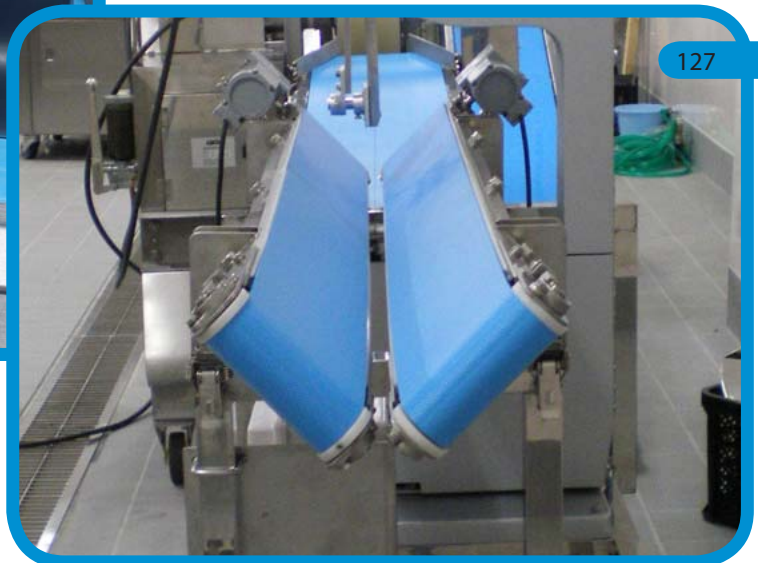
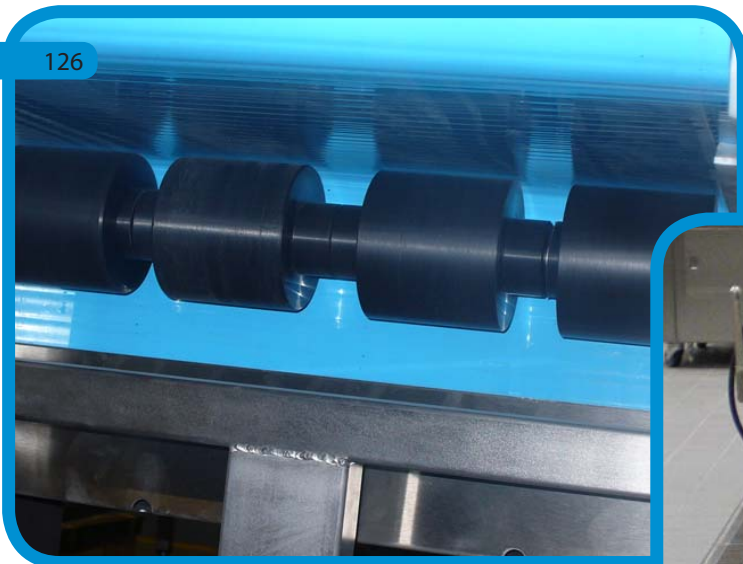


FMB - 2.5 - DDSP
in Seafood and size sorting

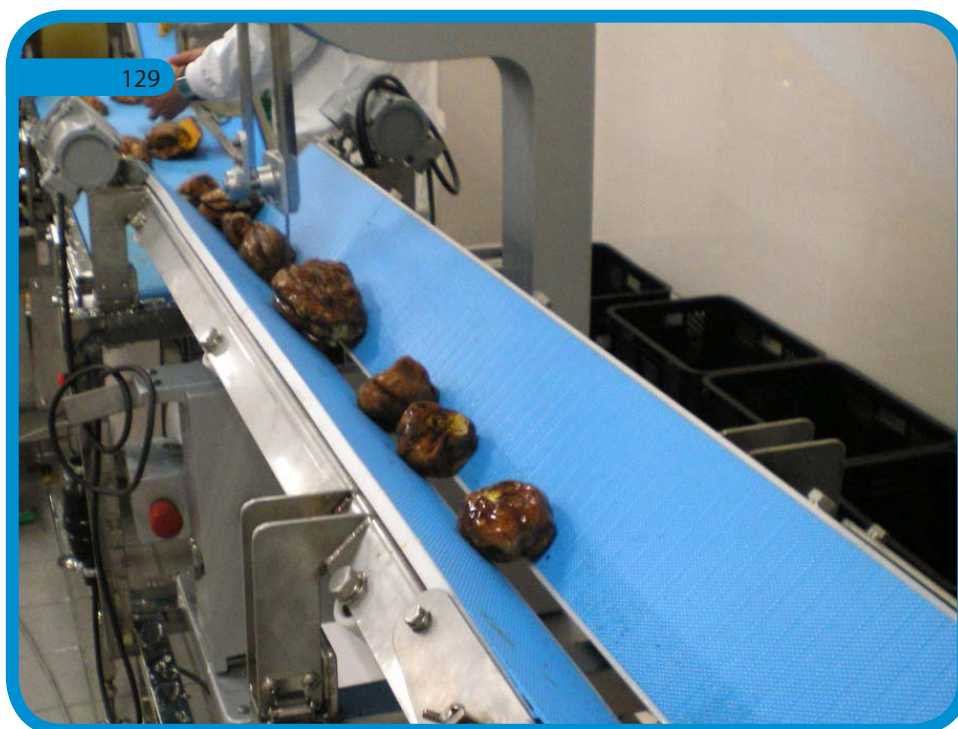
124



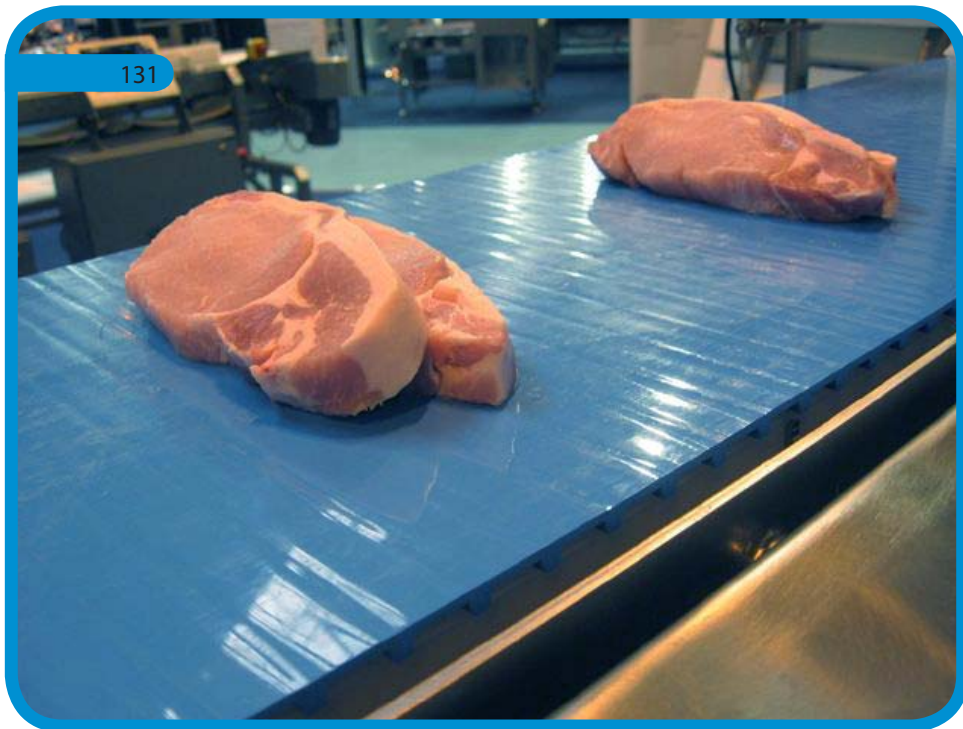
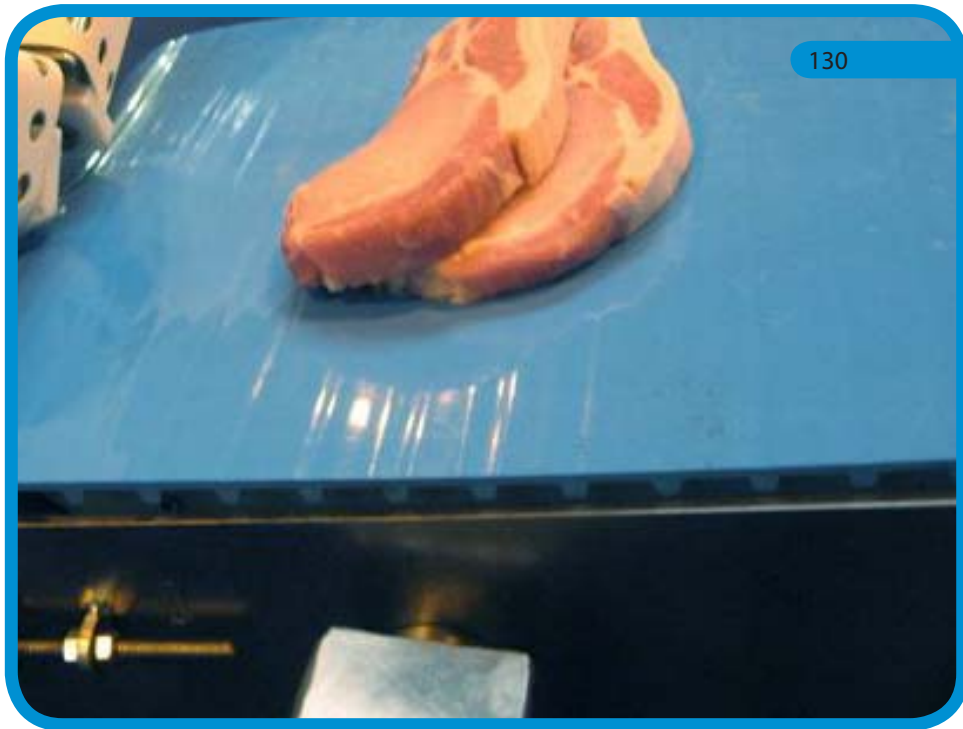
Conveyor with DDSP belts



DDSP ITO50 in sweet potato processing line



FMB - 2.5 - DDSP after meat slicing machine



Food Conveyor Belts

Food Conveyor Belts

Volta flat food conveyor belts are an extremely versatile homogenous belt line consisting of a wide range of conveyor belting including flat smooth surfaces, various textured tops for applications requiring extra grip, different shore hardnesses and specialized fabrications.

All our food belts are extruded in one piece and made from our unique homogenous TPE material giving them unique characteristics for every food application.

Replacement of Multi-Ply belt



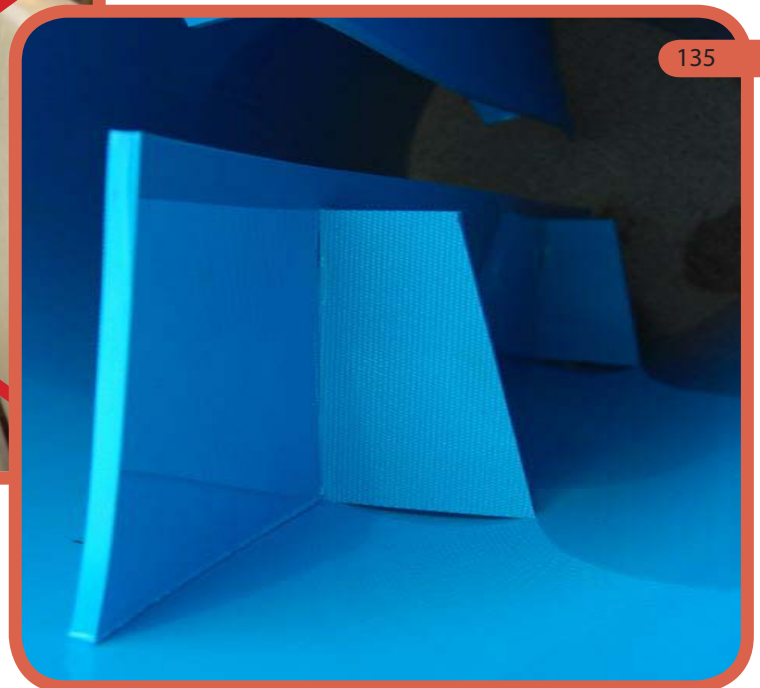
Fraying and short operation life



Volta belt FEMB - 2.5 - ITO50
No fraying and long operation life

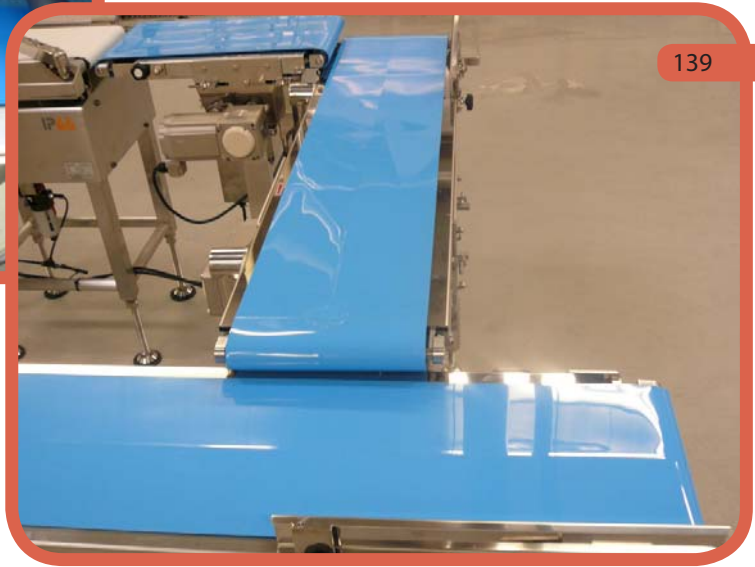
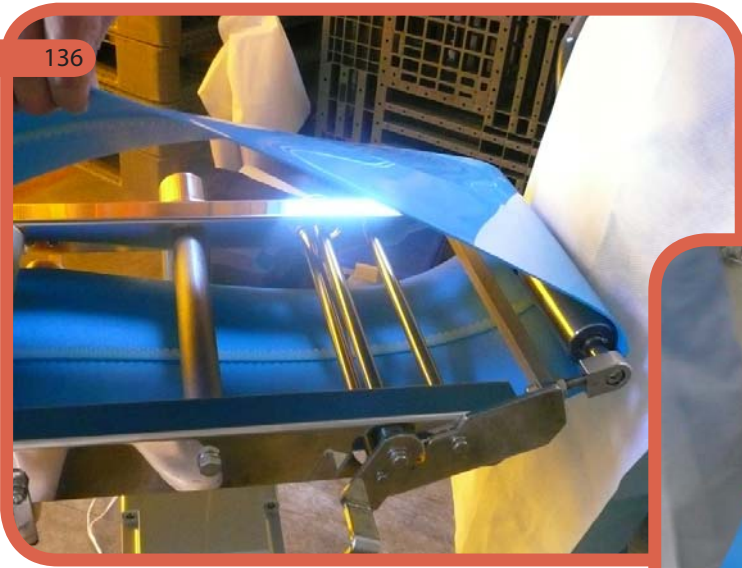


Volta Homogeneous flights



Delaminated fraying flights

Volta Belts with Center Guide



Stainless Steel belt replacement to Volta FHW and FHB Belts in Meat Cutting Lines

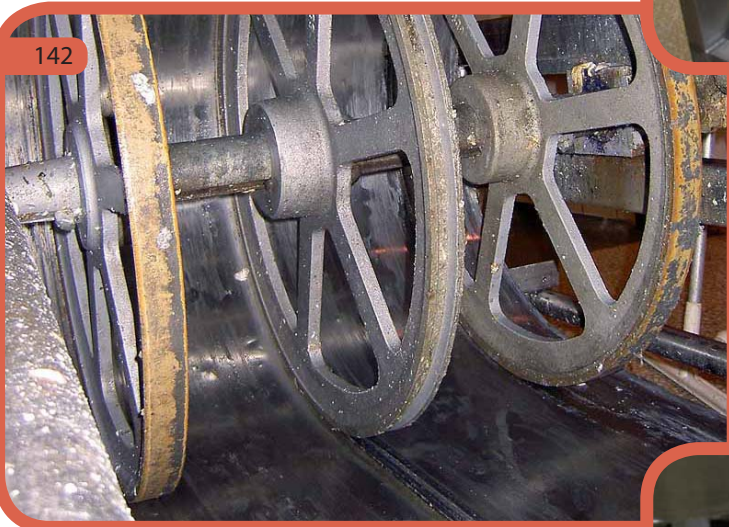
140



141



142



FHB Belt
in Meat Processing lines

143



Broken Guide

Stainless Steel belt replacement to Volta FHW and FHB Belts in Meat Cutting Lines

144



FHB Belt in Meat Processing lines

145

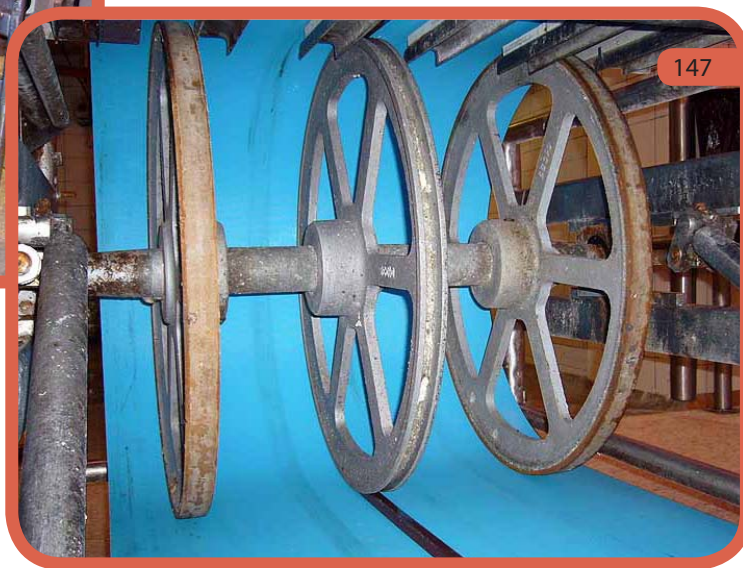


146



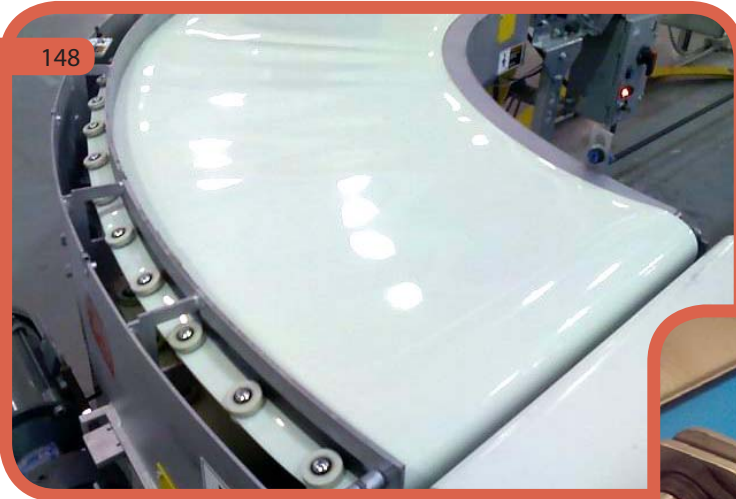
Easy Install, Repair and Making Endless on site

147

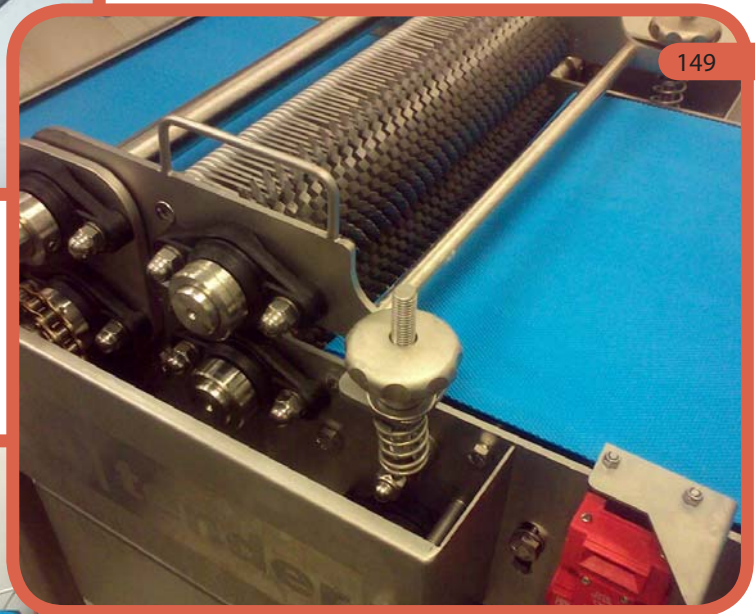


Homogeneous Guides
(same material as base belt)
long operation life

FLB Used on curves



Meat Processing



Metal Detector



Perforated FMB belt working under water



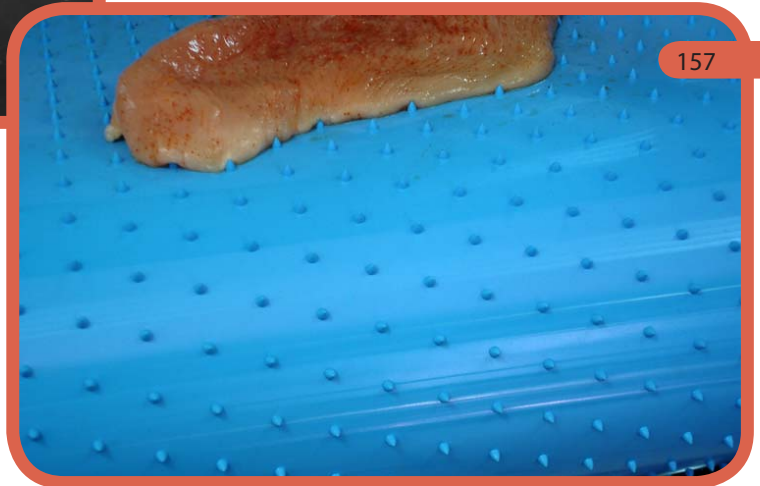
Meat Processing



Poultry Slicing Applications



FEMB - 3 - SP



FEMB - 3 - CT



Poultry Processing Lines



Processed Meat and Poultry Lines

160

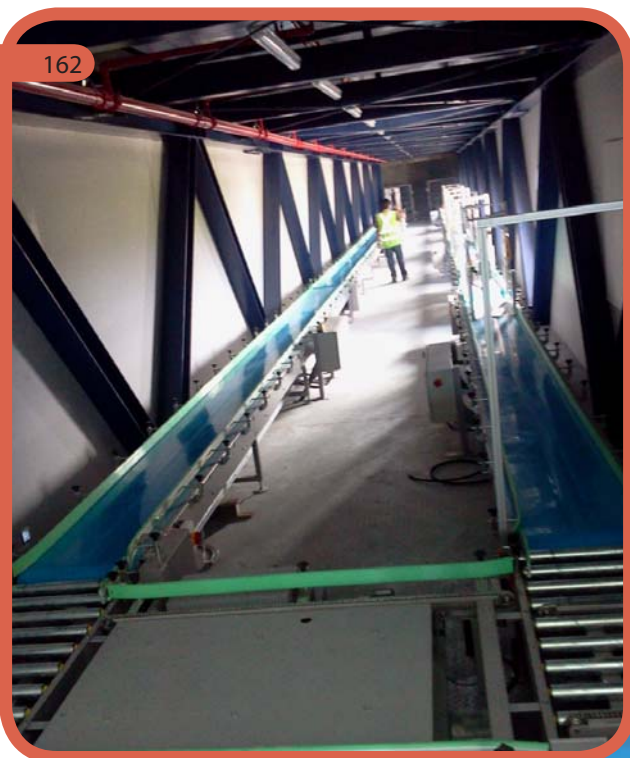


161



Airport kitchen

162



FEMB - 3 - MC

163



Volta FHB belt in Tuna processing

164



165

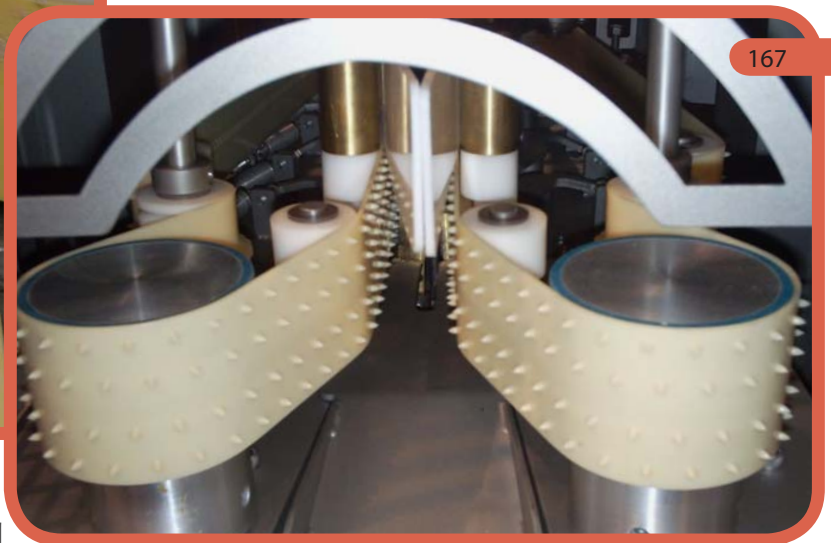


166



FEMW and FRMW CEB Sealed edge belt in Tuna Squeezing machine

167



SMW Spikes belt in fish filleting

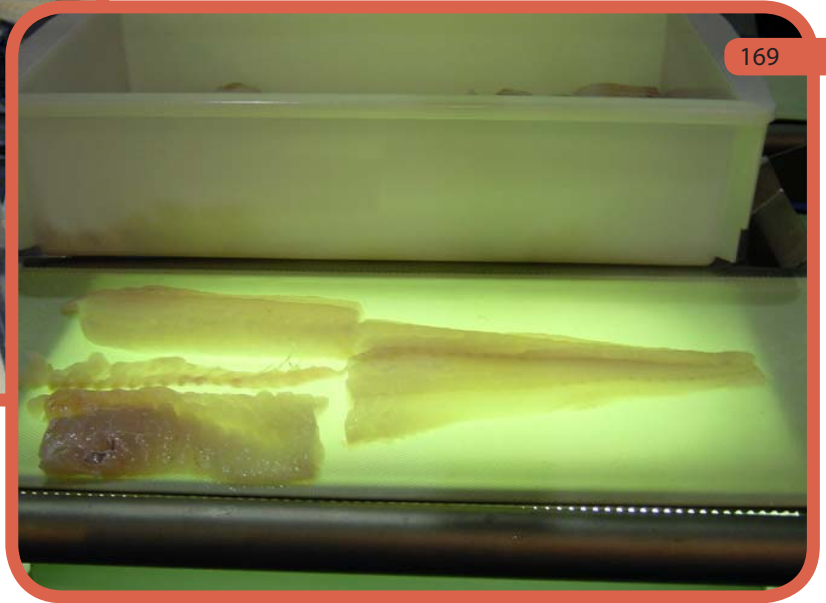
Salmon Processing

168

FELW Opaque see-through quality for optical scanners



169



Scrap conveyor

170



Fish filleting plant

171



172



Perforated FMB with Sidewalls

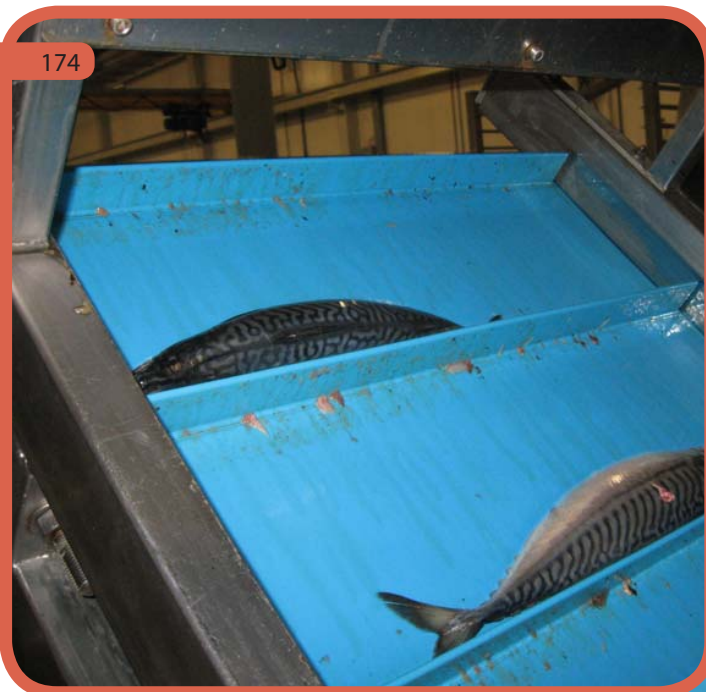
Salmon Filetting

173



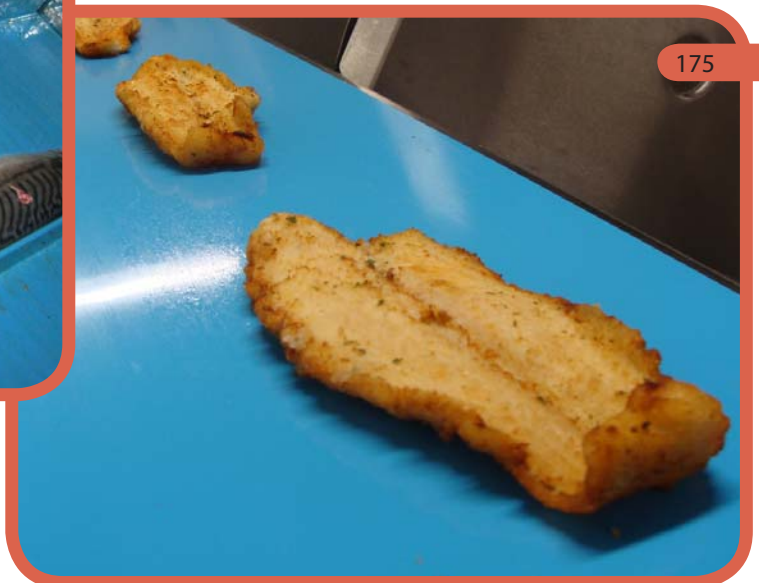
Cooked fish packaging line

174



Fish Sorting

175



176



Shrimps sorting line

Surimi processing lines

177



178



Oysters Processing

179



Sea Shells Processing

Cheese Processing

180



FEMB with sidewalls and flights

FEMB - ITO50

181



FEMB - ITO50

182



183

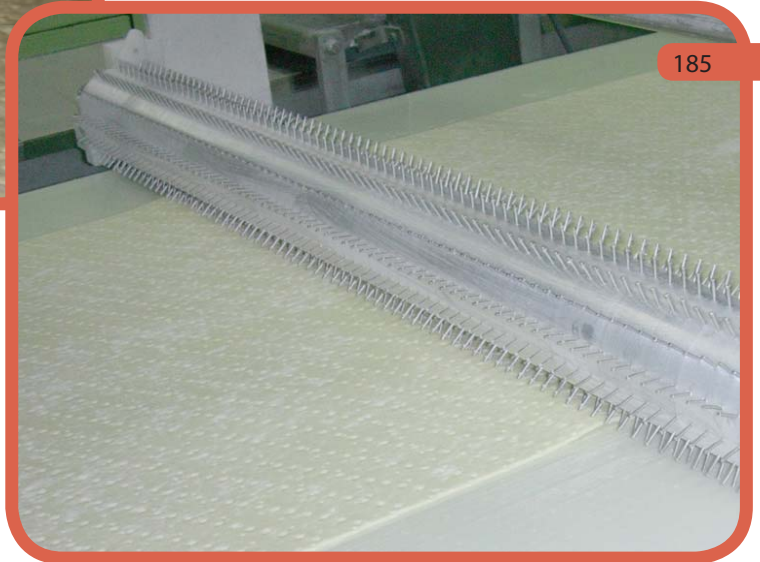


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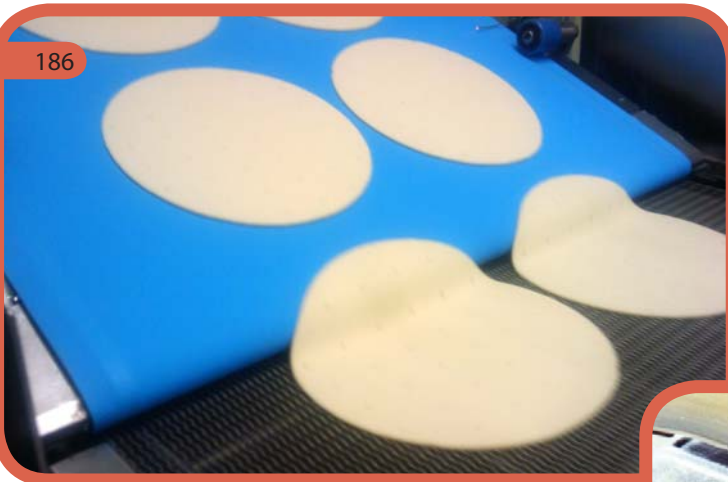


Knife-edge transfer with a non-stick impression top belt
FRMW - 2 - ITO50

185



186



Dough Return Conveyors
FRMB -2 /FRLB -2

187



FMW - 3 - belt

Dough Processing - FRMB - ITO50



Volta Belts In the Bakery Industry - FRMB - ITO50

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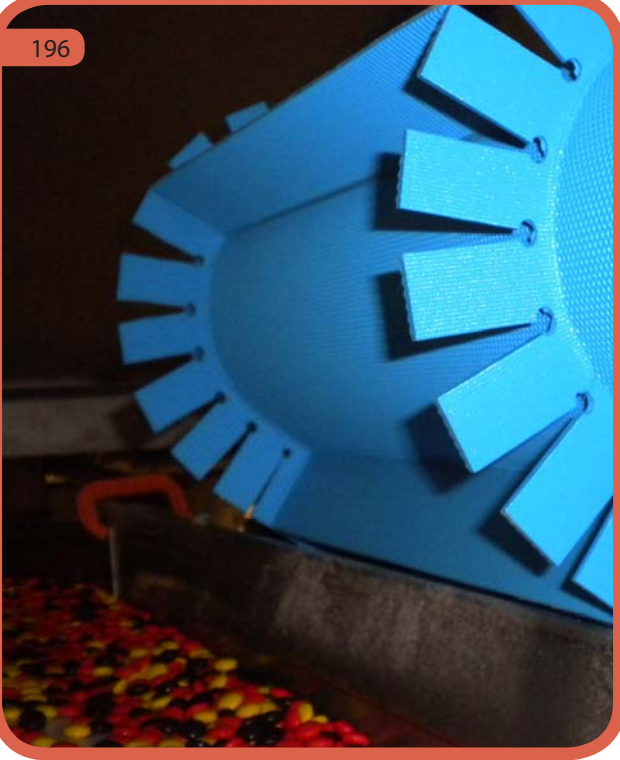


195



Straight Baseless Sidewalls with HF welded Flights

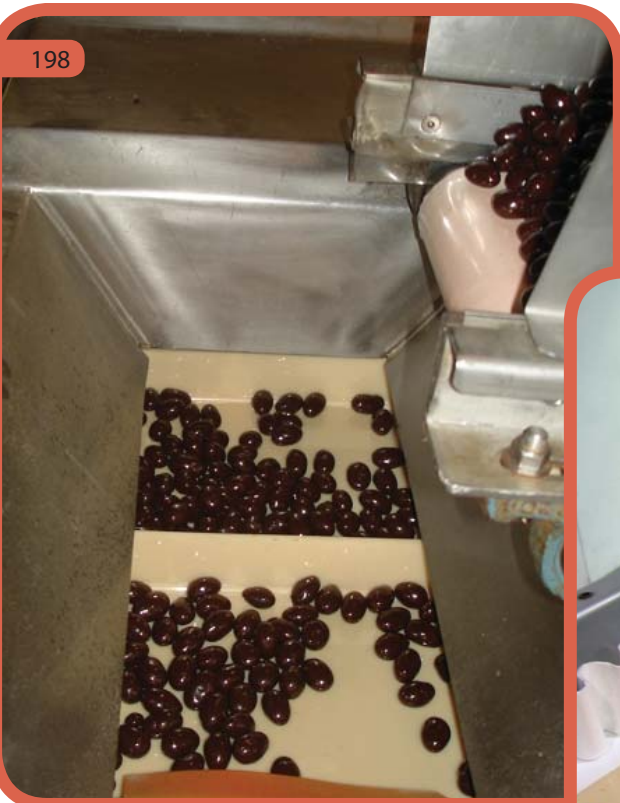
196



197

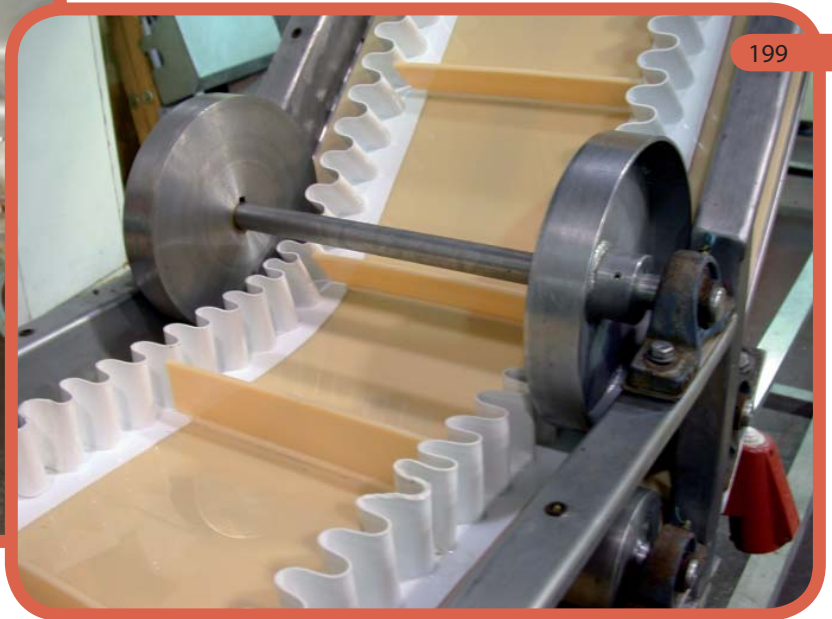


198



FMW - 3 - SD With Sidewalls and Flights in Chocolate Snacks Manufacture

199

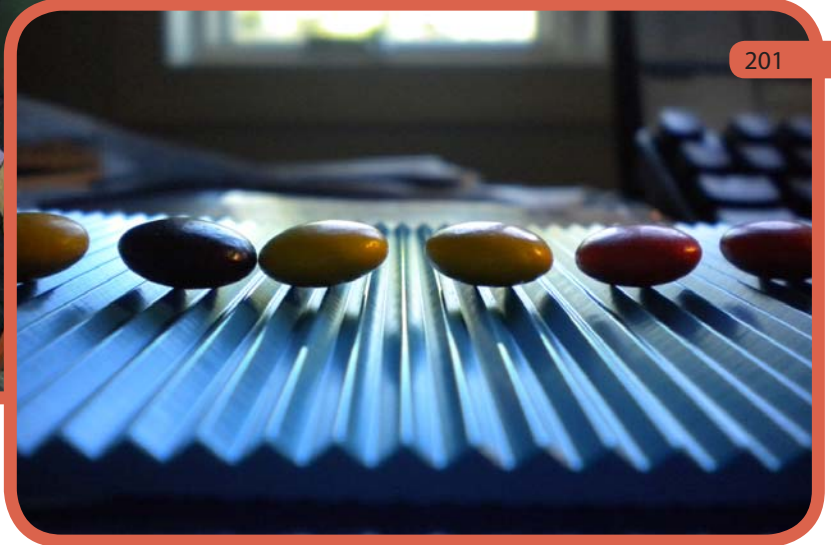


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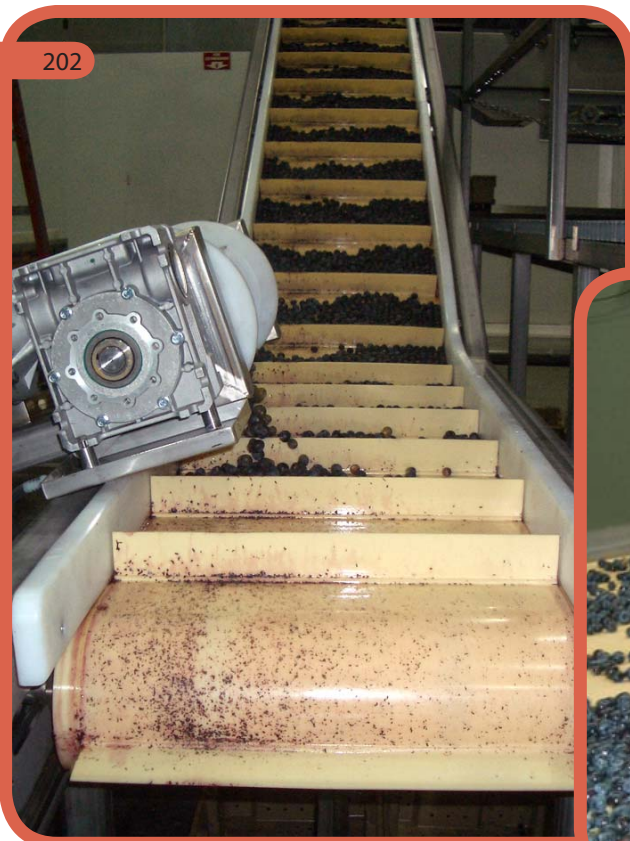
FEMB - IRT In Olives Processing lines

201



Citrus Packaging Warehouse
Sleeves FEL & FELB

202



Blueberry Processing Line

203



204

Rice Processing



209



206

Rice Cookies



207



208



Corn Processing Lines

209



210



Perforated FMB belt In Lettuce Washing Machine

211

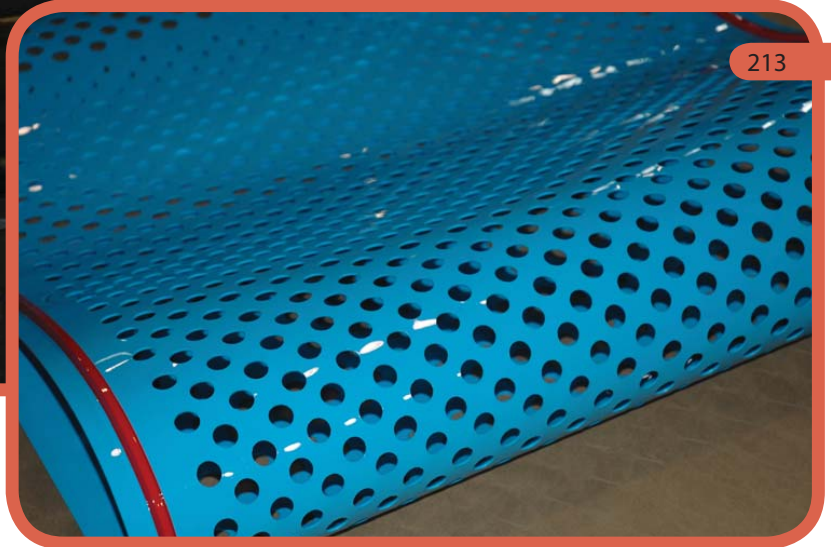


212



Perforated Belts for Vegetable Processing

213

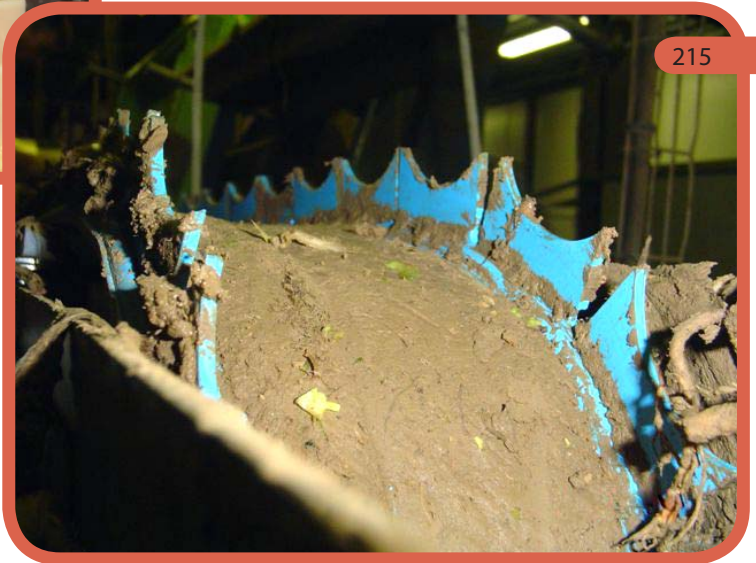


214



Rabbit Ear Belts in Corn Processing

215



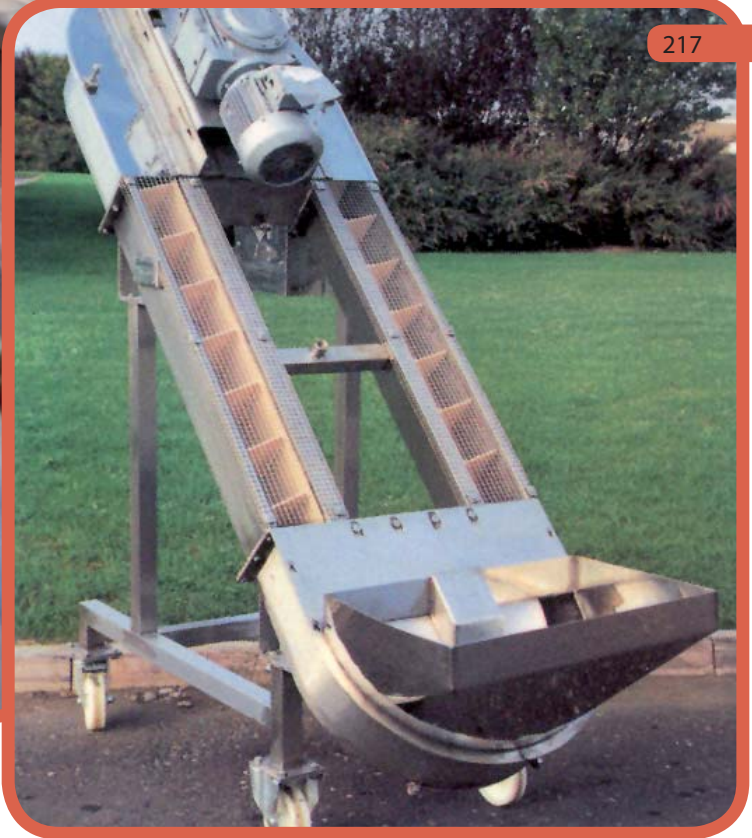
Dragon belt

216



Volta Bead Elevator Belts

217



218



FMB/W, FHB/W, FL/W
Volta belts used as Skirts/Scrapers
on Conveyor

219



Volta belts used as Hammocks
in Potato Processing

FMW belt used as funnels in a metal detector

220



221



222



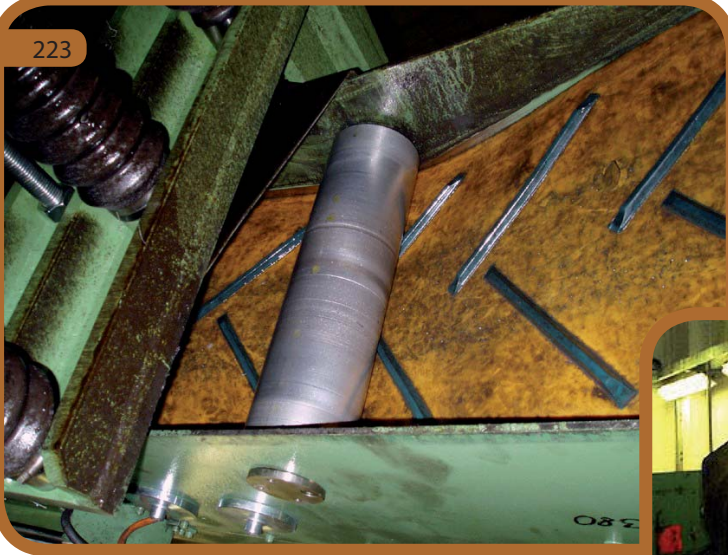
General Conveyor Belts

General Conveyor Belts

Volta brings a full line of TPE conveyor belts for general conveying applications to the belting industry. Our product line includes a wide range of belts and coatings designed to meet some of the most demanding requirements and challenging applications in the field.

Volta Belting has the product for your special application, from soft belts with high grip to hard surfaces, which resist cutting, punctures and abrasion. Our belts are easily welded on the conveyor, reducing production downtime.

223



Magnetic metal separator with Volta cut and impact resistant belt

224



225

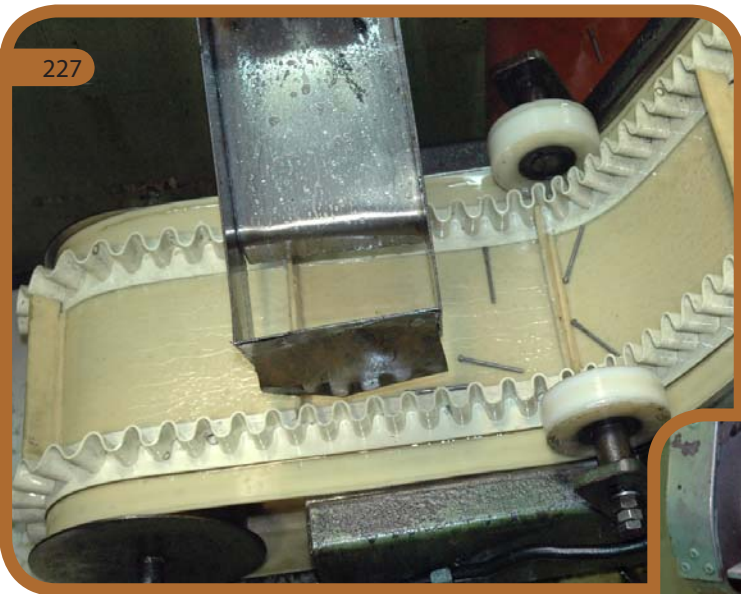


Volta FRG-3 belt with SW40 sidewalls on Metal Separator

226



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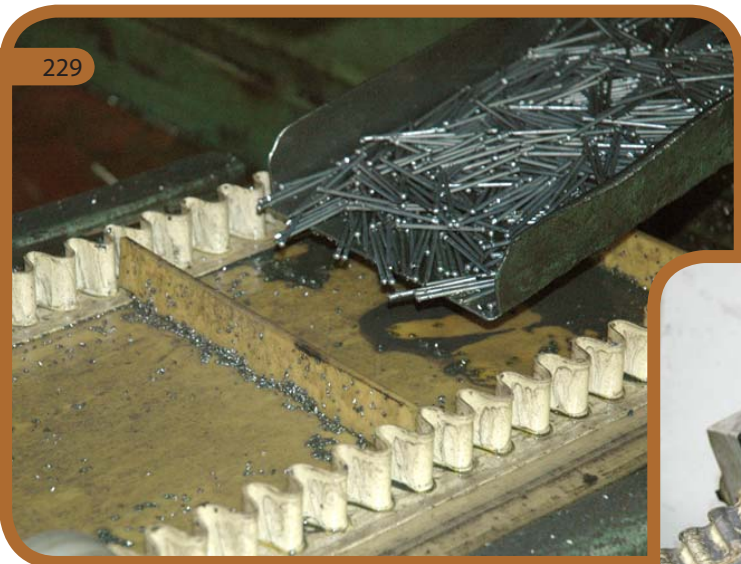


Volta belts with sidewalls and flights in the Nails production line

228



229



230



231



Volta FRG/FRGST (and other) belts in Automotive Industry

Car Panels - After stamping conveyors - cut resistant and not delaminating

232



FEZ3.2 with sidewalls used in Pre-Painting - Non Fraying and Silicone free

233



FEZ-3.2 with CL/VL guides used for minimum contact with the products

234

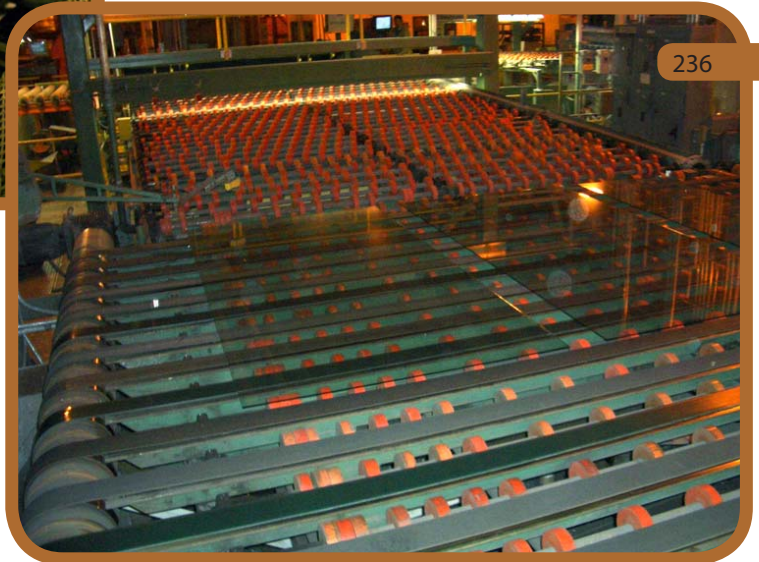


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Volta FRGZ-5 narrow belts
in the Glass Industry

236

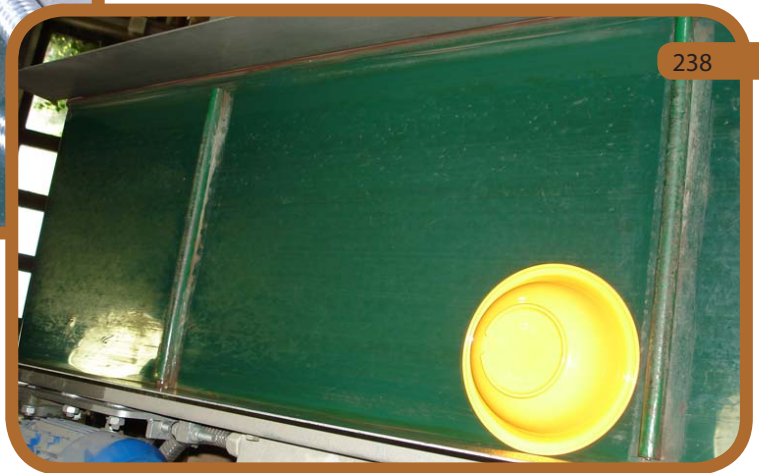


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Volta belt with flights for
Conveying Screws

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Plastic Injection Molding Line

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VMW-17 profile & FK-3 belt in Floor Slabs Production

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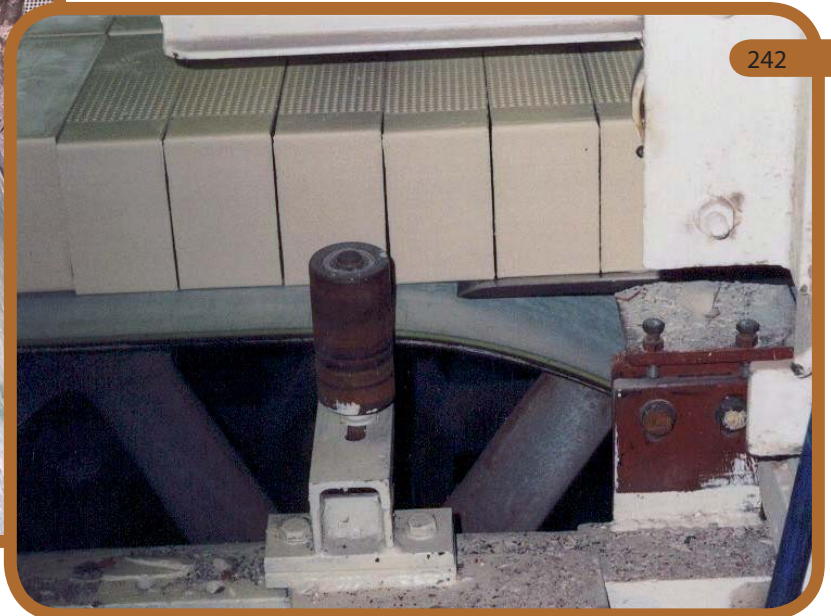
FRGZ-3 in Brick Production

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FK-3 belt in Bricks Pre-Oven Conveyors

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FRGZ-3 in Brick Production

Volta belts in Floortiles production line

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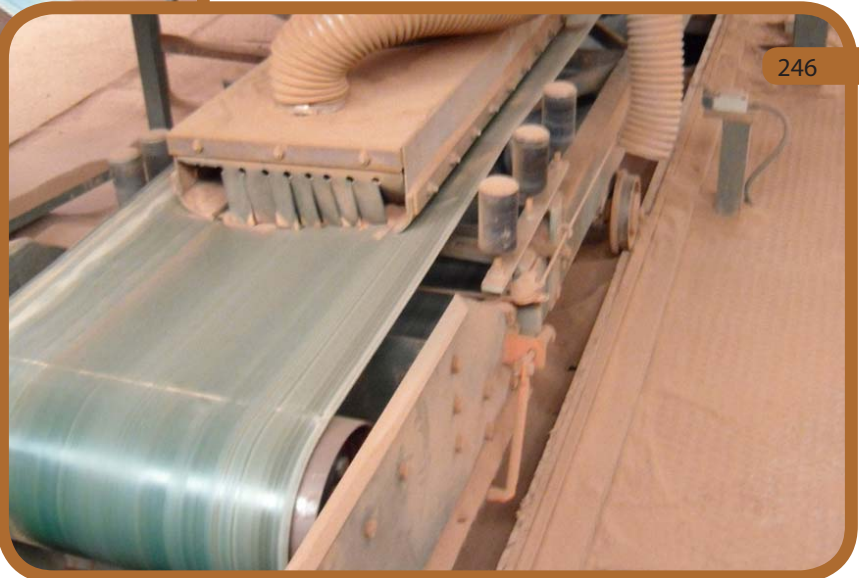
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Metal Recycling

Paper Recycling

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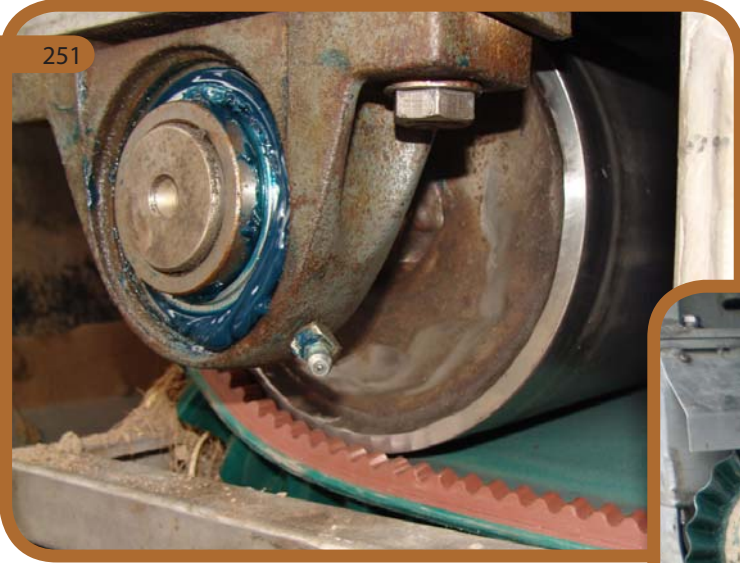
Glass Recycling

250



Sewage Treatment Lines

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Salt Processing

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Volta belt used in Industrial Chemical Conveyor

Volta belts with flights in the Soap industry

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Volta belts with sidewalls and flights in the Detergent conveying lines

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Industrial Grade Flat Belts

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SuperDrive™ belt in Gravel conveying

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FRGZ -3 in peanut processing

FEZ - 3.2 in carrot processing lines

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Potato processing

Eggplant Packaging

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Special Fabrications

Special Fabrication

Volta Belting has created an outstanding technique and ideal tooling to perform state of the art heat welded fabrications to fit your specific needs, simply. The possibilities are endless. Fusing of the solid Volta homogeneous flat belt with matching material flights, sidewalls, guides, etc. result in a nearly unbreakable fabrication and high performing belt construction.

Infinite tailor-made fabrications to suit your needs, available upon request.

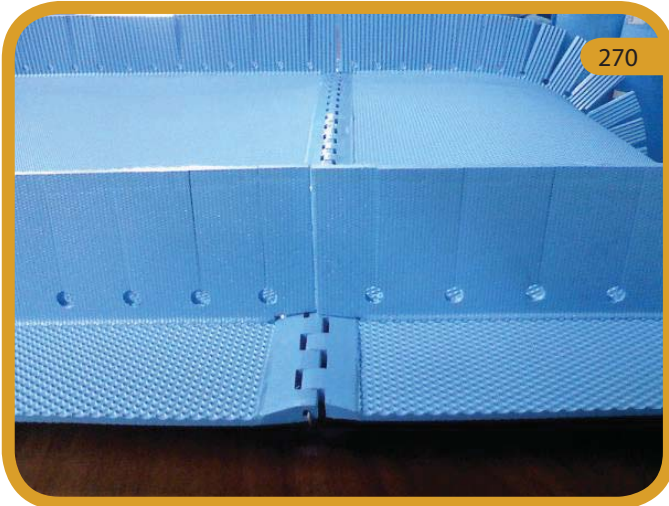
Special Guides Volta Belts

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Straight Siped Sidewalls and Hinge lace

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Baseless Sidewalls and Guide

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Baseless Sidewalls

Special Flights

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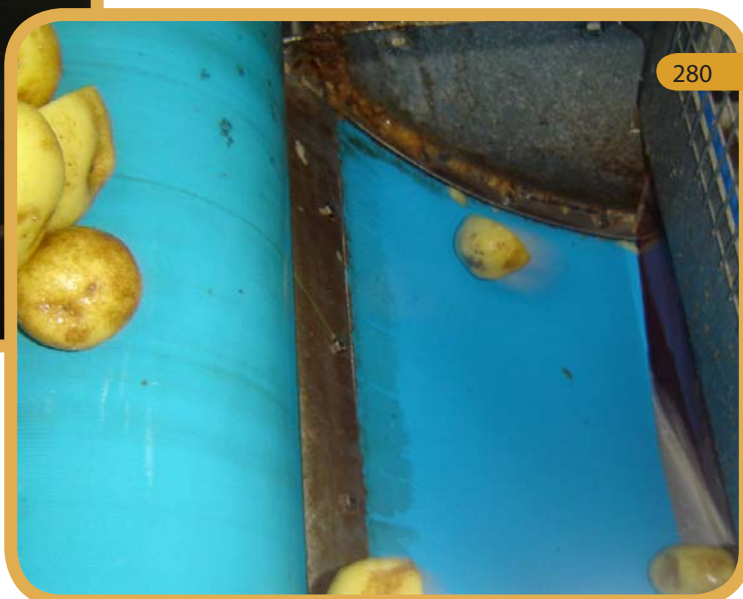


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Volta belts with Sidewalls and Flights

Hammocks used in the potato processing industry



V & Round Profiles

V and Round Profiles

Volta Belting Technology manufactures the largest range of V and Round belts (VaR) available on the market today. This line of products meets the highest standards of quality and durability, and is manufactured from the finest quality materials available on the market.

We offer you a vast VaR product line that includes a large range of hardness, colors, reinforced belts as well as unique profiles to meet your special industry application. Take advantage of our expertise and innovative approach – we are prepared to manufacture customized VaR belts that will meet your exact requirements.

Volta RPN profiles in Pizza Topping Process

Volta RO profiles in Pizza Topping Process



Volta RPN profiles in Pizza Seasoning process



Volta RO profiles

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RCW in Milk processing

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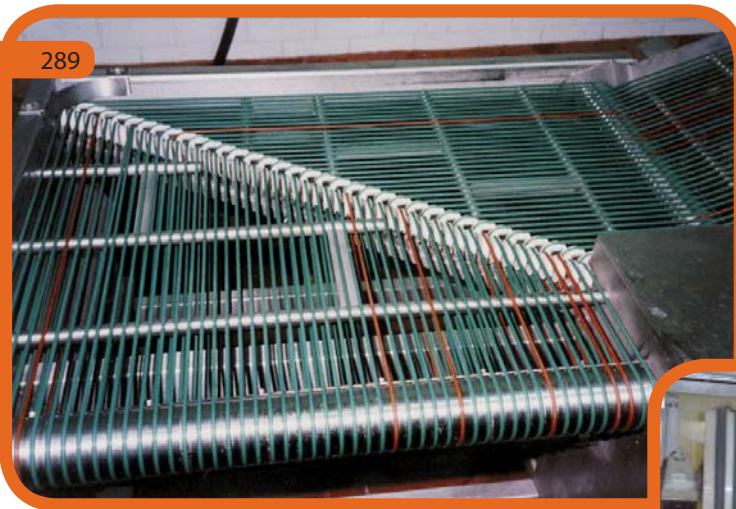
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RPN/RPS in Mushroom sorting

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Volta profiles in special construction conveyors

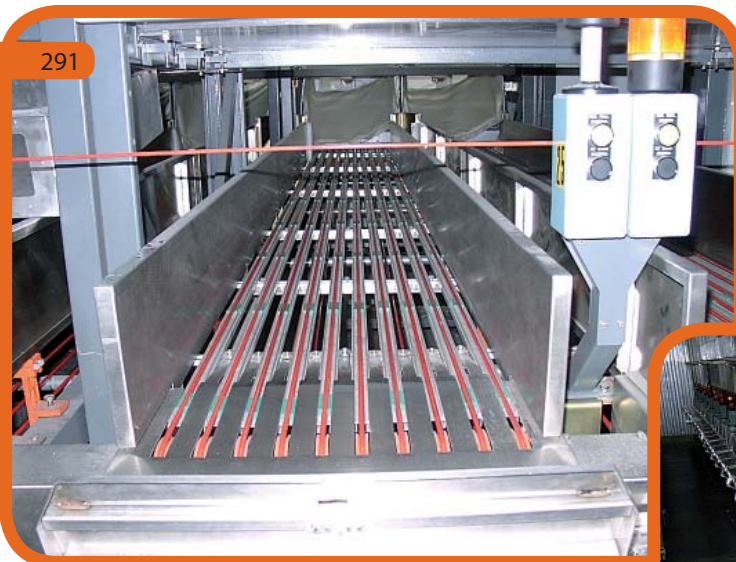


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Volta RM in Frozen Food Packaging below -25°C



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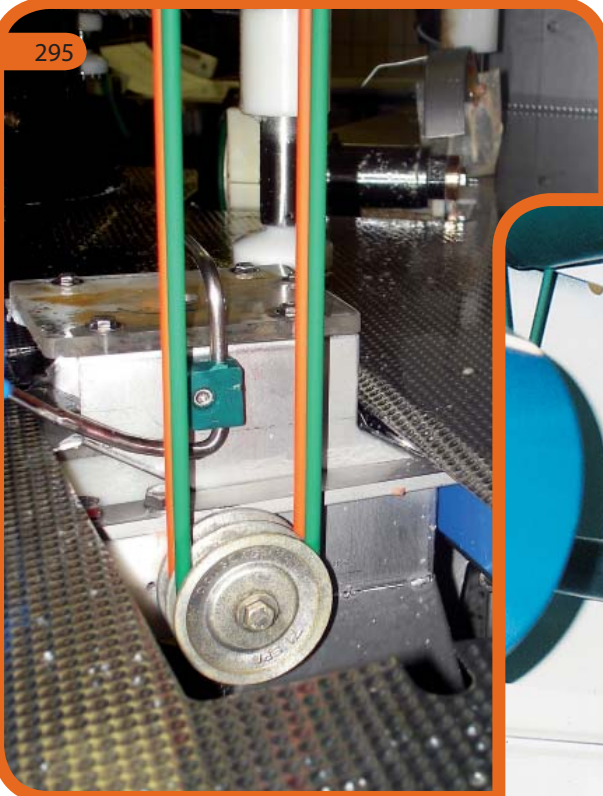


Volta RPS-10 in plant movements

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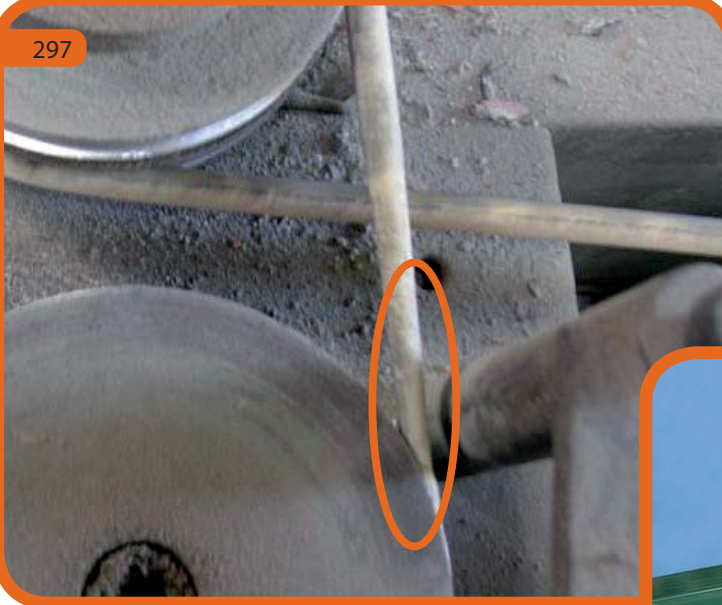


Volta Round belts used for power transfer in Food Processing Machinery

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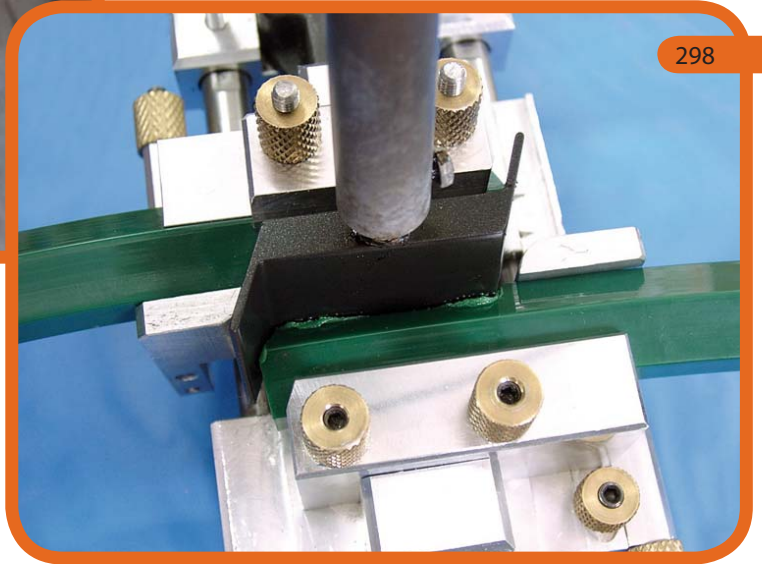


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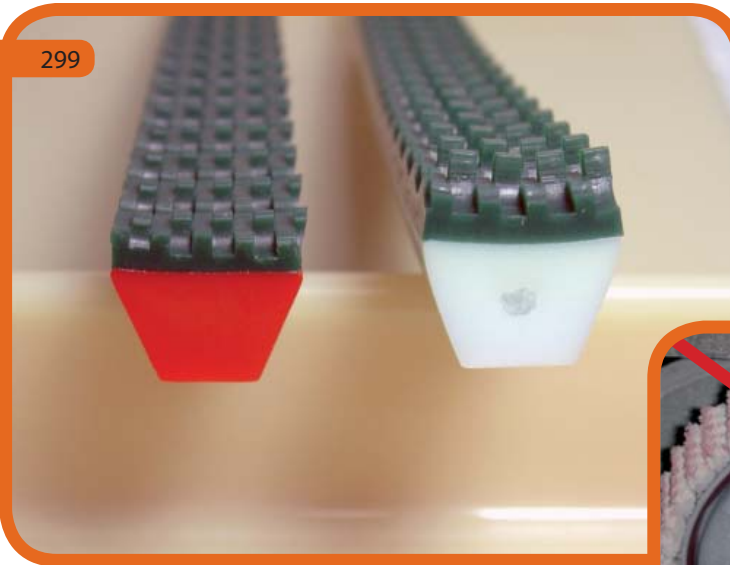
Necking effects on V-and Round belts can be solved by using Overlap Welding

298



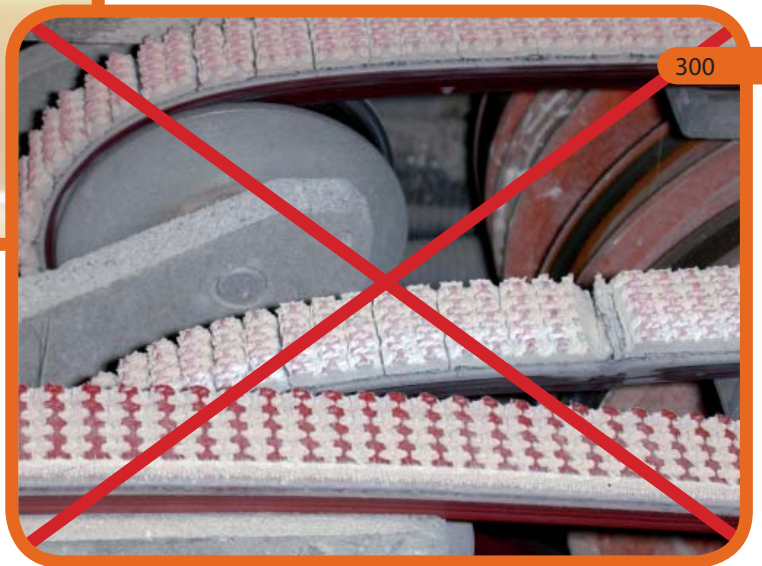
Overlap welding procedure using Volta Tools

299



Volta MultiGrip and Super Grip welded on Volta V-profiles

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Non-Volta SuperGrip Glued on V-profiles

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Volta VM-17/B profile on Beer can elevator

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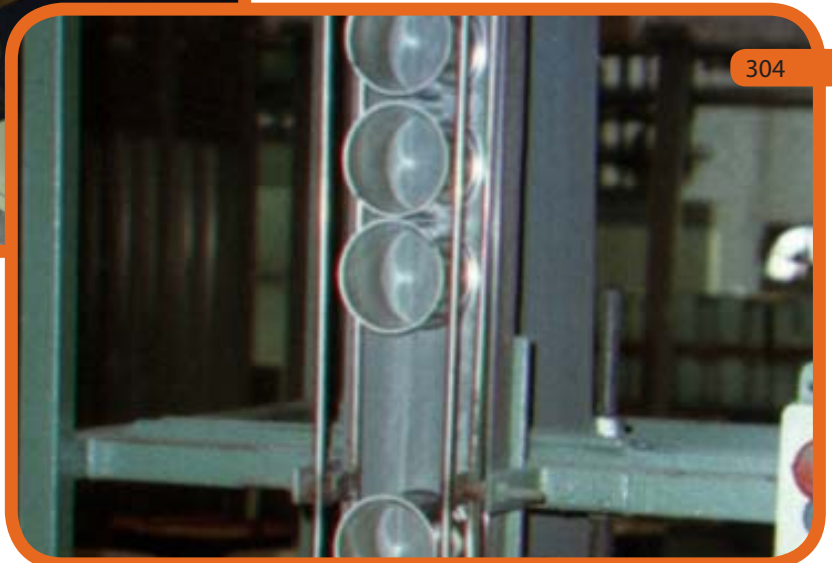


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Can elevator lines

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Volta V-profile with Multigrip
in Floor tile Manufacturing

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Volta YPF-17 profile in Floor
Tile Manufacturing line

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RPZS/PRS profile for Floor tile
Conveying

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RPS-15 profile and FRMW-5 belt for Roof tile conveying

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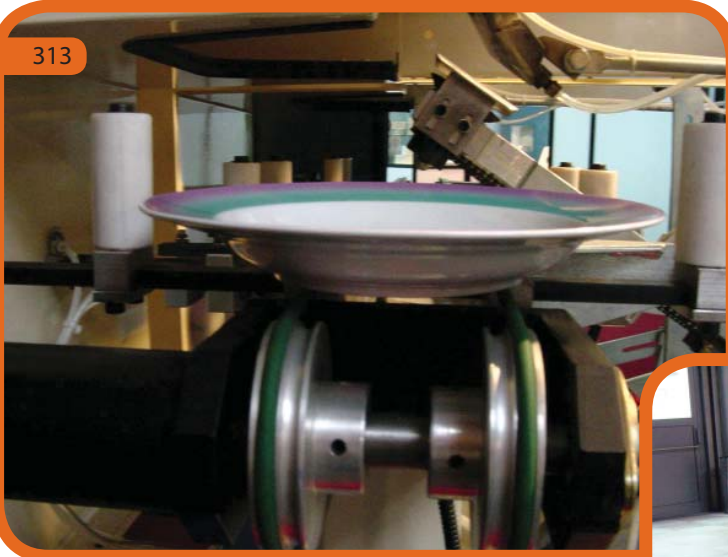


RMW -15 profile for Roof tile Conveying

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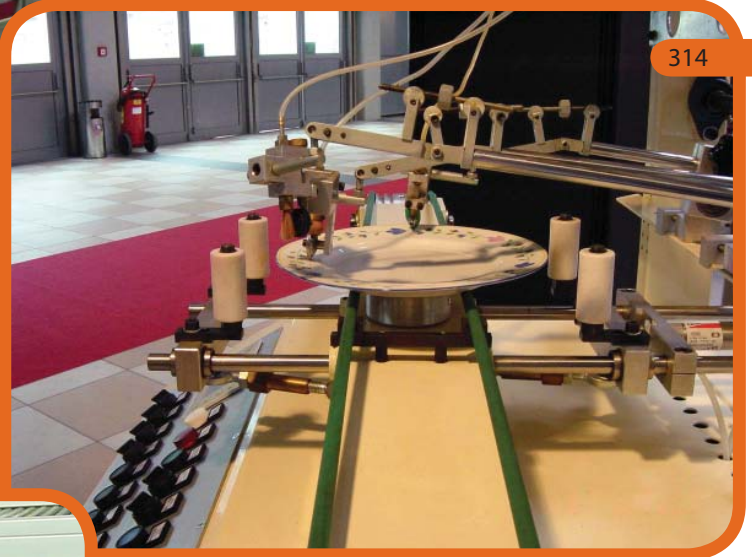


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RPN/RPS in ceramics printing lines

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Volta Profiles, Sleeves and FRGZ belt in Ceramics production

Volta belts in Wood processing conveyors - White Volta Power Belts can also work on these applications

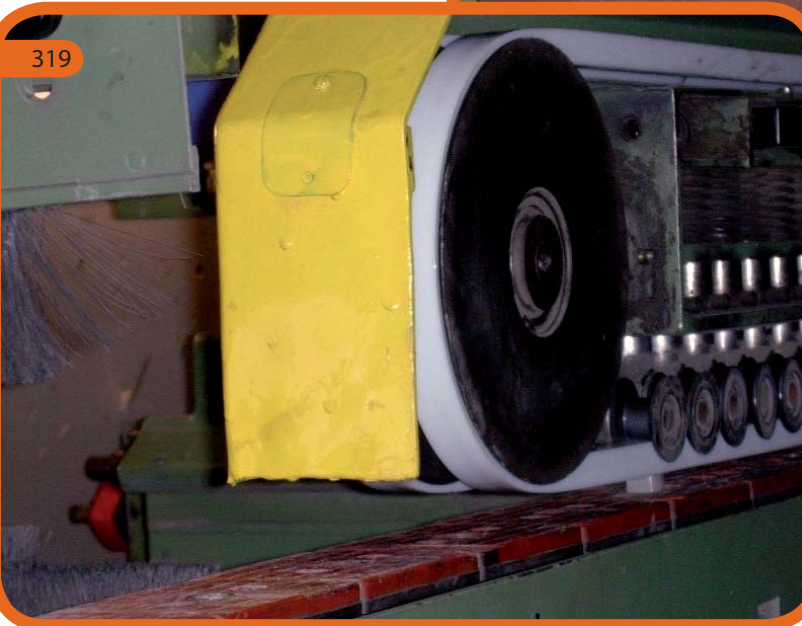
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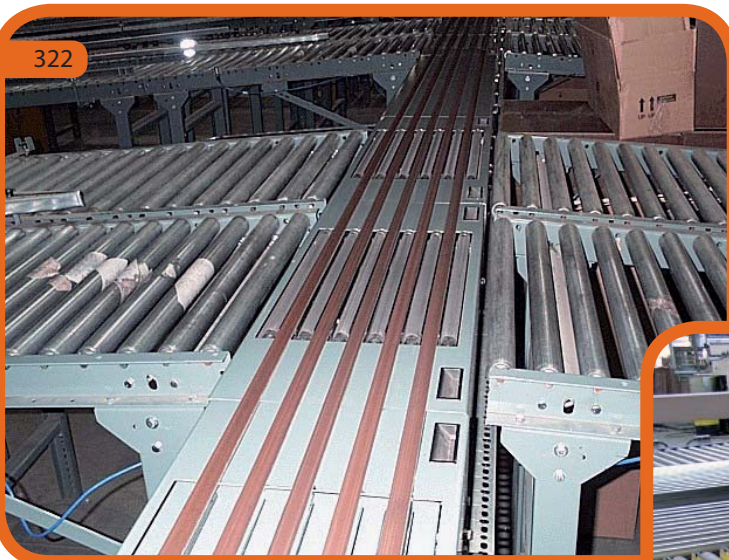


Volta RLC profile in Library Automation System

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Volta RPS and VL profile in Cardboard Production

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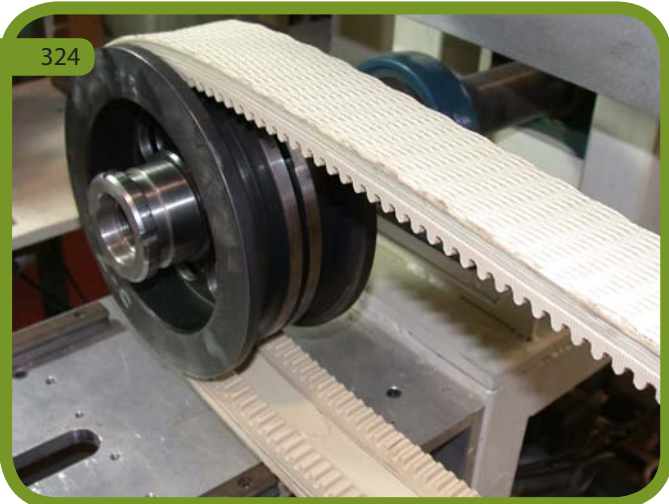
Power Transmission

Power Transmission

Our thermoplastic rubber (TPR) belts combine the performance properties of Thermo set rubber with the ability to use thermoplastics processing equipment. TPR give us a better quality final product with great dimensional accuracy. Our unique computerized production system enables us to manufacture power transmission belts in any length or quantity you may need. We are also capable of adding a surface cover from our selection of belt coatings to the Volta Power belts.

Volta Power Belts in the Wood industry

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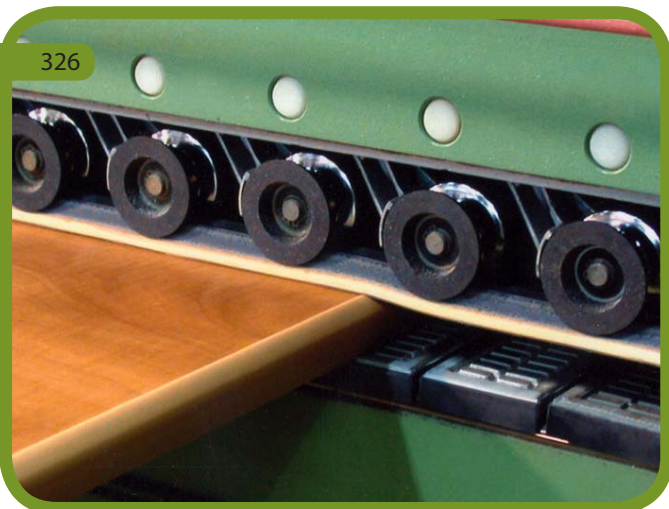
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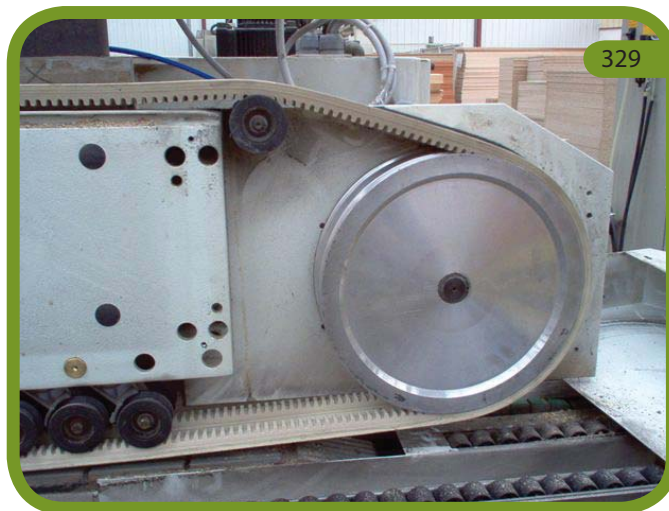
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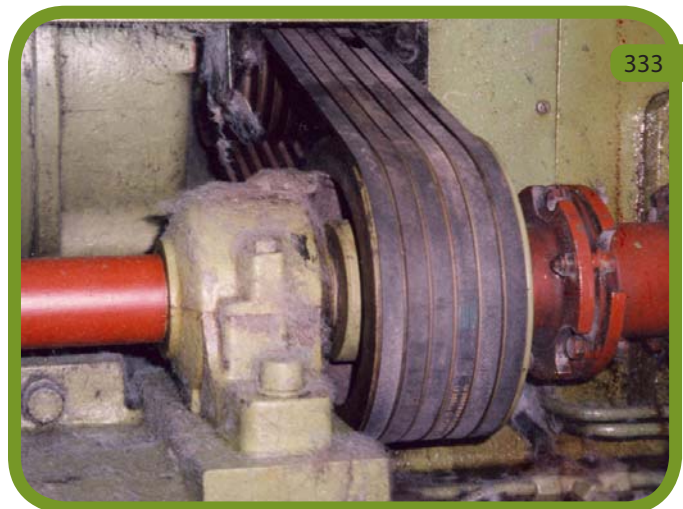
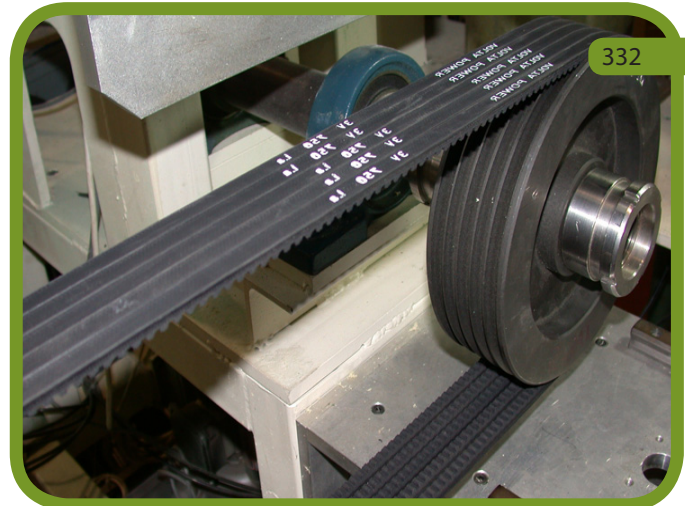
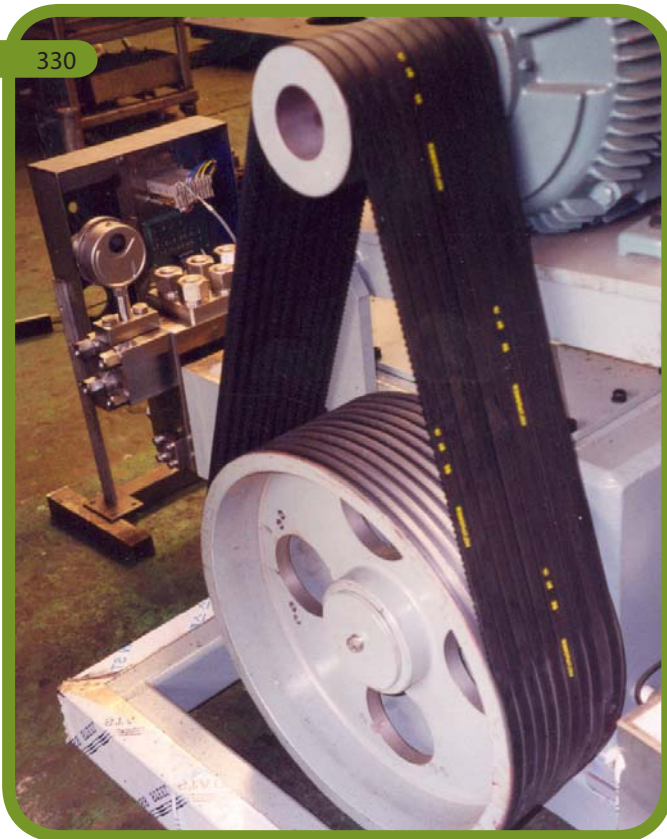
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Volta Power Belts in Mining and General industry



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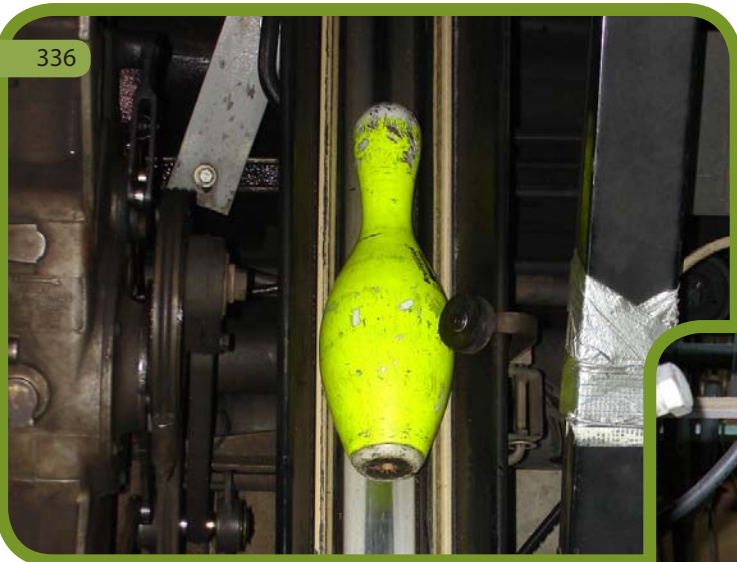


Volta Power Twist

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Volta Power Belts
in Bowling Alley

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Timing Belts

Timing Belts

The open-end timing belts are a perfect choice for applications requiring a great degree of flexibility for synchronous conveying and linear positioning. Volta manufactures linear timing belts in a variety of tooth types, pitches and lengths. Nylon fabric facing on teeth is also available. Our timing belts are typically sold in open-ended lengths and may be supplied endless upon request.

Volta Fabricated Timing Belts on Wet-wipes applications

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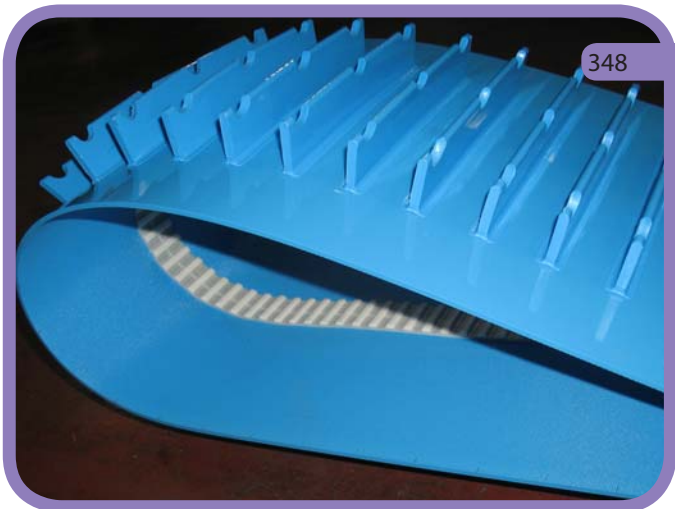
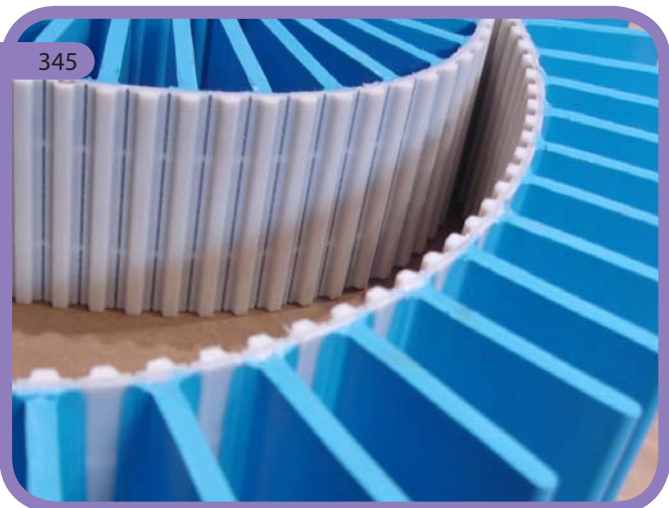
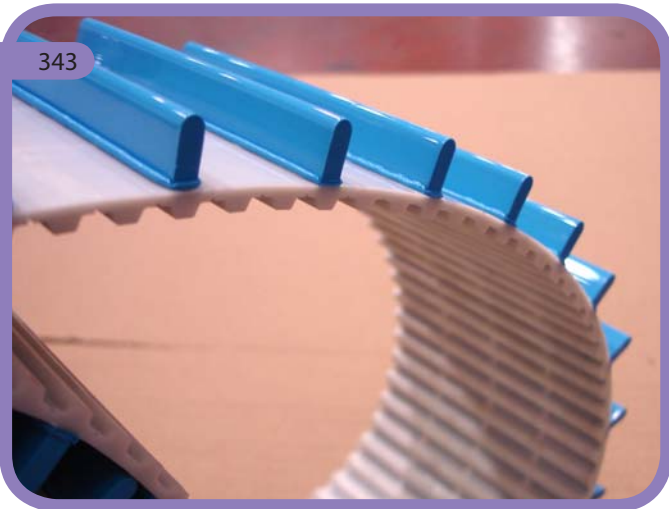
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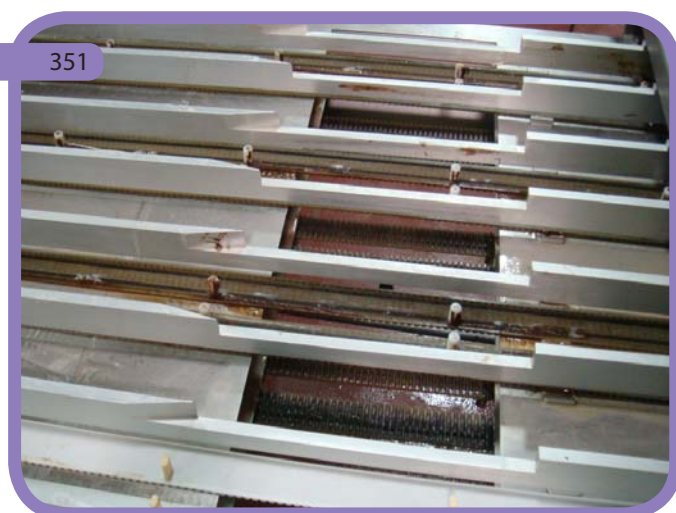
Fabricated Timing Belts in the plastic industry



Volta Fabricated Timing Belts In Lip Pencil lines



Volta Fabricated Timing Belts In Bakery



Volta Timing Belts on FZ Belt with Sidewalls and Flights



Sleeves

Roller Coating Sleeves

Roller Coating Sleeves are used in a wide range of industries where the product is being moved on rollers. The sleeve provides a soft, non-marking surface for the product to ride on. Our sleeves are PU with a Shore hardness of 85A.

Sleeves up to 60x65 mm are packaged in rolls of 30 m (100').
Sleeves from 65x70 mm are packaged as 3.20 m (10') tubes.

Volta Sleeves in the Ceramics Industry

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Volta Sleeves in the Ceramics Industry



Volta Sleeves in the Wood Industry



VOLTA BELTING APPLICATIONS BY INDUSTRY FOOD GRADE APPLICATIONS

BEEF AND PORK PROCESSING

Stainless Steel Belts - FMW-4 or FHW-5

Belts commonly have 2 V-Guides. De-Boning and cutting are done on this belt. Major selling point is the improved V-Guide bond.

Metal detectors

FMW-2 or FHW-5 (Depending on pulley diameters

Meat plants have to use metal detectors. VOLTA has a great door opener to these types of plants; show the people in the plant the ease and quickness of making the belts endless!

To replace modular or to improve the design use one of the Positive Drive style belts: SuperDrive, DualDrive or DD Small Pulley.

De-Boning lines

FHW- 3 & 4 (if cutting and De-boning is done on belt)

FMW-3 & 4 (if De-boning is done on a side tray away from belt)

Use SuperDrive 3 or 4mm in cases where the plant is interested in solving tracking and drive issue.

Heavy - duty flighted inclines

FMW 3

These inclines generally carry frozen blocks of meat. Use 8mm thick flights. To replace modular or to improve the design use one of the Positive Drive style belts: either SuperDrive or DualDrive.

Flighted incline conveyors

FMW- 2 & 3

For severe product loads we recommend FMW- 4 & 5. In some application you want to consider using a 3mm base belt and a 4mm flight giving the flights more back rigidity. We recommend welding the flights with the HF technology; this welding strengthens the flight and seals it completely!

Scrap take-away conveyors

FMW2 or FMW3

These belts are normally used in trough conveyors.

Pace line belts

FMW- 3 & 4 or FHW- 3 & 4

Belting selection depends on whether cutting and boning is being done on the belt. Lines made of red VAR material are heat welded into routed out groove.

Patty formers

FMW-2 with VL-10 or VL-13 V-Guide.

Transport conveyors

FMW2 or FMW3

Holds up extremely well after constant wash downs.

CHEESE PROCESSING

Stainless Steel Belts

FHW4

These steel belts can be replaced with FHW 4 with (2) C-section guides. Shredded cheese is usually carried .on these lines

Trough inclines

FRMW2.5, FRMW CEB, FMW3

When load and stretch are to be considered use FRMW 2.5. Edges can be recessed which eliminate edge fraying OR use Sealed – Edge. SuperDrive belts can also be used on trough conveyor constructions.

General conveying

FMW3 or FMW3 SD

This material has 3-A dairy certification, a requirement in many larger cheese-processing plants.

POULTRY AND TURKEY PROCESSING

De-Boning lines

FHW- 3 & 4 (if cutting and boning is done on the belt)
FMW-3 & 4 (if De-bonding is done on a side tray away from belt)

To replace modular or to improve the design use one of the Positive Drive style belts, either SuperDrive or DualDrive.

Cross carry conveyors

FMW2 or FMB3

Blue color is easily detected for better on line QC.

Metal Detectors

FMW2 or FHW2

If metal detector is added to an existing long conveyor, a heavier belt should be considered, depending on product loads and pulley diameters. Remember to look for this equipment in every poultry plant.

Transport conveyors

FMW2 or FMW3 IT

Holds up extremely well in constant wash down environment.

Flighted inclines

FMW2 & 3

Some of these inclines take a great deal of abuse, you can use thicker flight material on thinner base belts. The heavier flight gives the flight more back rigidity. We recommend welding the flights using the HF technology; this method of welding strengthens the flight and seals it completely!

Chiller take - away conveyors

FHW4 & 5

These conveyors are usually 30" or wider and have product loads on them. Make sure that the conveyor has plenty of take-up.

Dicers

FMW-3

Severe cutting is done on this belt and normally it lasts 3 to 4 times longer than a plied belt.

Heavy duty flighted inclines

FMW3 IT

These inclines generally carry frozen blocks of meat. Use 8mm thick flights.

FISH & SEAFOOD PROCESSING

Flighted incline conveyor

FHW SD3 or 4

Belting on a whole take a great deal of abuse in fish processing plants because of the fins. The fins are so sharp that they damage the belt. Drive pulleys on this type of equipment should be knurled. When product loads are heavy, choose a thicker flight for more back rigidity and use the double electrode method to weld these flights.

Product wash down conveyors

FHW SD3 or 4 (perforated)

Belts that run on this type of equipment have to be perforated with holes so that water drains through the belt. Drive pulleys on this type of equipment should be knurled.

Can cleaning conveyors

FH

Has a notched V-Guide and generally runs in water.

CANNING PLANTS

Labeling equipment

FZ-3.2 or 4

These belts are grooved in the center for tracking. The labels are pressed on the can with the opposite side of the belt.

General can conveying

FZ-3.2 or 4

General conveying (food)

FMW-2 or 3

Look for lots of flighted belts in fruit & vegetables canning plants.

CANDY PLANTS

General conveying

FMW2 or 3

Volta works great on trough conveyors in hard candy plants. Hard candy plants run through a lot of belting. VOLTA is ideal in this type of plant because of its resistance to the very abrasive nature of sugar!

Inclines –(wrapped candy)

FMW3 IT

Wrapped material does not stick to this material and provides easy release into hoppers.

Metal detectors

FMW & FHW2 or 3

Candy plants also have to use metal detectors, impress your customer with a splicing demo, showing them how quickly VOLTA belting splices. They will buy from you!

Twisted belts (Hard candy plants)

FMW2 & 3

The belts in this equipment are small. Two belts run back to back with a space between the two belts so the candy (in string form) can run between the two belts. The candy at this point is still warm and soft, and as the candy passes between the two belts (belts are moving opposite directions), the candy is twisted. This operation twists the colors through the candy

Melted Candy mass

FHW or FHB SD

Non-stick surface and resistance to the chemicals of the "H" belt make it suitable to work well in these applications, some belts work with products at a temperature of 80-900.

ICE CREAM PROCESSING

Box in feeds

FRMW2.5

Belting performs well on this sliderbed application. It can be easily spliced reducing downtime.

Case packers

FRMW2.5

Many of these case packers require a low profile press. With the FBW splice tool this is not a problem.

Box conveyors

FMW2 IT

Major benefit is its ability to be easily welded.

PIZZA PLANTS

General conveying

FHW2 or 3 & FMW2 or 3

Both materials have good release properties when handling cheese. FMW-2 & 3 makes excellent flighted belts. The H material has exceptional release when handling dough.

Inclines

FMW 2 or 3

Material has enough friction to carry product eliminating the need for flights. This will enable them to utilize a scraper bar.

BAKERIES - BREAD & ROLL PLANTS

Divider drop belt

FMW2 (with or without lug cleats)

Handles oily dough pieces. This application does not always require flights (customer preference)

Dough divider belt

FMW2 (always with lug cleats)

Lug cleats are necessary for pulling dough pieces apart. Watch for small pulley diameters.

Inclines To Rounds

FMW2 with 7mm electrode cleats

welded with points down. Holds up well to oils and has good release properties.

Metal detectors

FMW & FHW2 or 3

Both types work very well. Keep pulley diameters in mind when making belt recommendation!! Use M for smaller pulley diameters; use H if abrasion is a problem.

Dough conveyors

FMW2 or 3

Usually trough conveyors with a lot of flour.

Dough Flattening

FMW2, FMW3, FRMW 2.5

Heavy oils penetrate standard plied belts causing delaminating and splice failure. Volta material withstands constant scraping of dough.

Dough piece conveyors

FMW2

Overhead lines

FMW2 IT, FMW3 IT

Pack off conveyors

FMW2, FMW2 IT

Easily cleaned and easily welded eliminating the use of lacing which can mark the end-product.

BAKERIES – COOKIE & CRACKER PLANTS

Cross scrapers

FMW2

Long life, excellent wear.

Dump conveyors

FMW3, FMW 3 IT

Laminator infeed

FMW3

Good dough release with excellent belt life.

Laminator transfer belt

FMW2

Handles dough well.

Laminator sweeps

FMW2

Handles dough well. Customer like staying away from metal-laced belts.

Metal detectors

FMW & FHW2 or 3

Both styles work very well. Keep pulley diameters in mind when making belt recommendations!!

Dough transfer conveyors

FMW2 or 3

For large belts use FMW-3 (normal to laminator)

Dough transfer to oven conveyor

FRLW2 or 2.5ITO50

.Joined endless by FBW or a PVC press

Dough scrap return conveyors

FMW2 or 3

Belt releases dough well and lasts a long time. 1 Keep pulley diameters in mind when making belt recommendations!!

Take away conveyors

FMW 2.5 ITO50

Provides excellent resistance to oils. Standard plied belts can delaminate due to the oils as well as edge fraying, which can contaminate the product.

Trough conveyor

FMW2 or 3

Use 3mm on long running conveyors.

PASTA:

Frozen product

FMW3 IT050

Has excellent release where heavy condensation is present.

SNACK FOODS:

General conveying

FMW2, FMW3

Offers excellent wear characteristics and highly resistant to oil and fat. Plyed belts can fray and contaminate product.

VEGETABLE PROCESSING

General

FH, FM SuperDrive

Ideal for applications that carry shredded products (lettuce, onions, and carrots). Belt is easily cleaned and does not absorb odors.

Special Fabrications for fruit/vegetable sorting

FM with FL flights, FEL sleeves

Volta belts can be made into special impact absorbent flights, and special sleeves for Orange sizing.

Potatoes processing

FHW SD3 or 4

Wet and high in starch acid environment. Volta belts perform much better than belts made with Plies. Use Volta as impact reduction mats, Volta will not deteriorate and will last for a long time.

Citrus Pineapple and Carrots processing

FH & FM

Beta Carotene extract from these fruit & vegetable types attack and damage most belts, Volta will offer a much improved resistance.

VOLTA GENCON INDUSTRIAL BELTING

TILE PLANTS

Sewage Treatment- solids separation

FZ4 with SW80 and FZ5 flights or FMB4 SD

New Sewage Treatment plants have large presses that compress the sewage and drain all the liquids, the solids are then conveyed and kept for industrial or agriculture use.

General conveying and transfer lines

FZ4

All belting in a tile plant runs under very hard abrasive conditions. The key to selling to a tile plant is getting just one test belt running!!

ROOFING SHINGLE PLANTS

General conveying and transfer lines

FZ3.2 or 4

Many of the same conditions follow true to this type of plant as with the tile plant. The greatest difference between the two plants is the presence of a lot of oil in the product in its early stages of manufacturing. The welded splice is also a plus in this plant.

Accumulation lines

FK3 or 4

These lines normally face very abrasive conditions. VOLTA withstands a great deal more under these conditions than any other plyed belts. Most tile plants try to stay away from metal lacing because it might mark the tiles, or tear, therefore VOLTA's easy and quick splice is another advantage.

METAL STAMPING PLANTS

General conveying

FZ3.2 or 4

The best selling feature for VOLTA in this type of plant is the fact that large amounts of oil, is present on the belts, and that it is impact resistance. Oil will not damage the VOLTA belt like normal plyed belts. The VOLTA welded splice is a huge advantage because of the presence of oil. It is also recommended that drive pulleys be knurled because of the presence of oil.

GLASS PLANTS

General conveying and transfer lines

FK2.5 through 4

Broken glass is a large problem in this type of plant, pieces of glass gouge and cut into the belting repairing normal plied or PVC belting is a problem. VOLTA, because of its welded splice, can be repaired in minutes.

BRICK PLANTS

General conveying

FK3 & 4

FK handles the moderate product accumulation present on some of the applications in this type of plant. The very slick hard surface has little cohesion to the product. Be very careful if you see side loading applications. Make sure that belt thickness matches loading plate height. We recommend installing the V-Guides on belt when side loading is present. Most Brick plants try to stay away from metal lacing because it might mark the wood, or tear; therefore VOLTA's easy and quick splice is another advantage.

GYPSUM PLANTS

General conveying – FZ (all thickness)

Cone Takeaway Conveyor – FK3

The FZ material has good cohesion to the sheetrock panels in this type of plant. Lacing is not used in this type of plant because it marks and tears the panels; the welded VOLTA splice is a huge advantage.

TEXTILE PLANTS

Cone Takeaway conveyor – FK3

General conveying –FZ-2 and up

Vacuum lines –FK-4

The belt is used on a Reeder Uniflock Machine. Cotton is carried in a trough under the belt and belt acts as a vacuum shield and must stay rigid to prevent being sucked down into the trough

WOOD PROCESSING PLANTS

Plywood handling equipment

FZ3.2 or 4, FRG2

These belts are normally 4 to 6 inches wide and run in sets of 8 to 12 belts. The spacing of these belts breaks the cohesion between the product and belt surface. Most wood plants try to stay away from metal lacing because it might mark the wood, or tear; therefore VOLTA's easy and quick splice is another advantage.

Saw mill - cut board take-away belts

FK-3 or 4

This is a high-speed application with very high abrasion present. VOLTA's welded splice is an advantage on this application because the metal lacing doesn't hold well!!

Wood floor plank transfers

FK4 or 5

Boards are able to slip easily on top of this belt and have a tendency to stick to rubber belts.

AUTOMOTIVE ASSEMBLY PLANTS

Track cover - 2mm OSHA Yellow

FZ 3.2

Windshield conveyors

FK4

FIBERGLASS INDUSTRY

Owens - Coring24 in

Wide FH 1.5

carrying cut fiberglass around the plant.

CAN PLANTS

Magnetic can elevator

FRG2, FHW2

Provides long wear and has good abrasion resistance. Belts can be easily welded reducing down time. Use of FHW2 may require a modification their drive. Cleaning oils and grease from the belts surface is done easily.

Feeders

FRG2

Lidders

FRG2

PLASTIC BOTTLE PLANTS

Paraffin elevators

FZ3.2

This material provides extended belt life compared to PVC flighted belts.

CORRUGATED BOXES

Understackers

FRL3

Maintains it's grip, provides long life, excellent cover wear. Belts can be easily welded.

Most Corrugated Board plants try to stay away from metal lacing because it might mark the product, or tear, therefore VOLTA's easy and quick splice is another advantage.

Counter ejectors

FRL 3

Folding rail

FRL 5

NONWOVEN

Stackers

FZ2

Decreases excessive downtime associated with conventional splicing methods. This section is generally located after the laminator.

FURNITURE MANUFACTURING

Flat Finishing Lines

FHW3

Holds up extremely well and has excellent resistance to varnishes, lacquers, and solvents being used.

Company Profile

Volta Belting is a world leading manufacturer and supplier of Thermoplastic Elastomers (TPE) conveyor belting products and services. We have been developing and designing belts for over 40 years. Our belts have the unique characteristic of being homogenous and are all extruded in one piece without factory splicing.

Volta has maintained its reputation for innovation and service providing solutions to meet our customers most demanding requirements. In addition to our existing broad range of products, we are continually designing and introducing new belting products that are perfectly suitable for a variety of applications world-wide.

We currently offer sales and service support in over 50 countries, covering the major industrial centers in the Americas, Europe, Asia & Africa.

With Volta belting products you never go wrong. Our unique unparalleled line of conveyor belting will always provide you with a long and reliable life service.

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