



FOOD INDUSTRY
Solutions For Food & Beverage Manufacturing

FROM RAW INGREDIENTS TO FAMILY TABLES

CUSTOM SOLUTIONS TO MOVE FOOD MANUFACTURING FORWARD.

Moving and processing food-grade products is a precise operation with no room for contamination, breakdowns, or rough handling. Every manufacturing facility is unique. That's why Apache goes beyond stock belts and hoses. We study each operation and draw on decades of experience to develop innovative, custom solutions that precisely satisfy your food-grade conveyance needs.

► Apache feeds your needs for conveyor and process belting, custom hoses, and cut and molded solutions.



MEAT & SEAFOOD



Durable monolithic belts stand up to cutting, processing and packaging – while nonporous hygienic surfaces resist contamination.



Sealed belt edges and appropriate belt splicing methods support hygienic processing.



Chemical resistant cleanup and washdown hoses maintain stringent sanitation requirements.



DAIRY & CHEESE



Our belting options move cheeses and dairy products as they're transformed from raw materials to finished products.



Belting surfaces preserve the highest standards for sanitation, and withstand vigorous processing steps that can include cutting, shredding, or vacuum packaging.



Washdown hoses meet high standards for sanitation, including 3A and REACH compliance for dairies and creameries.



FRUITS & VEGETABLES



From bushels of tumbling potatoes to a gentle stream of tomatoes, Apache belting solutions protect produce from over-handling.



Our belts provide optimal performance for drainage, containment, and product protection.



FDA compliant hoses are used for washdown and cleanup of produce during processing.



BAKERY, SNACKS, & CONFECTIONS



We provide a wide range of belt profiles for dough forming and baking. These belts are durable, oil-resistant, nonstick, high release, and perform in high temperatures.



Our flour discharge hose transfers flour, sugar and other dry edible food products with anti-static properties for safer use.



Conveyor systems help preserve the integrity of small or delicate confection products, with features such as high release, tight transfers, and excellent thermal transmission on cooling tunnels and cold tables.



Pretzels, chips, cookies, energy bars, crackers, and other snacks produced in bulk require conveyor solutions as diverse as the products themselves.

BEVERAGE INDUSTRY



Low-friction flat belt and round belt systems convey containers during filling, sealing, and packing.



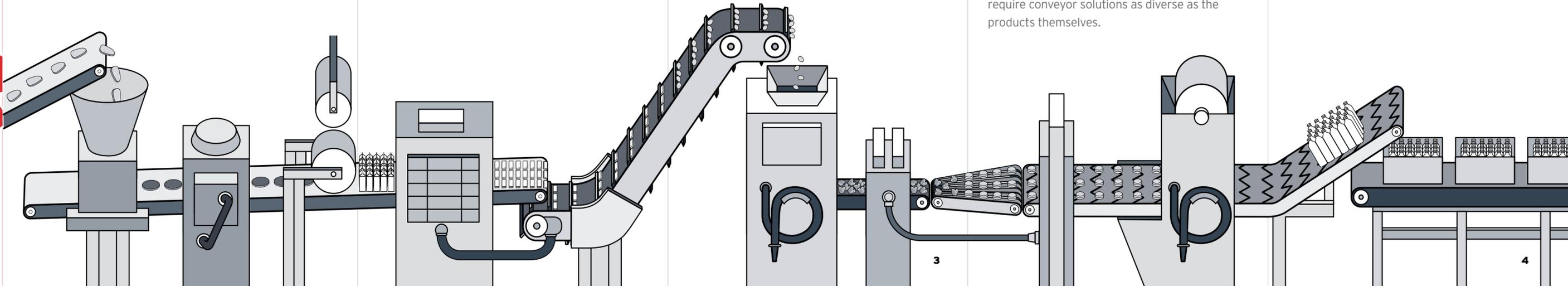
Our line of modular plastic belts are specifically designed for the beverage industry.



Clear PVC hose provides visibility for liquid applications such as milk transfer.



Hydraulic and pneumatic hoses are used throughout highly automated beverage and bottling systems.



WHAT DECISIONS GO INTO AN APACHE SOLUTION?

Our solutions aren't one-dimensional. Apache experts draw from a wide variety of materials, fabrication and components to help you design the best food manufacturing systems.

BELTING CHARACTERISTICS

- ▶ USDA, FDA, 3A Dairy compliant
- ▶ Grease, and oil resistant
- ▶ Non-fray
- ▶ Antimicrobial
- ▶ Nonstick and high release
- ▶ Abrasion, and cut resistant
- ▶ Knife edge transfers
- ▶ Scraper compatible
- ▶ Cold temperature performance

CHOICE OF MATERIALS

- ▶ Rubber
- ▶ Cotton
- ▶ Thermoplastic
- ▶ Monolithic
- ▶ Modular
- ▶ Smooth, friction-textured, or profiled covers

FABRICATION

- ▶ Splicing and lacing methods
- ▶ Sidewall
- ▶ Sealed edges
- ▶ Guides and cleats
- ▶ Positive drive
- ▶ Food-grade pulley systems

HOSES AND FITTINGS

- ▶ Liquid, semi-liquid, and dry ingredient flow
- ▶ Wash down
- ▶ Sanitary hoses
- ▶ Steam and air
- ▶ Hydraulic systems
- ▶ Bulk discharge
- ▶ Fabricated gaskets, couplings, and fittings

WORKING WITH APACHE

From soup to nuts, Apache takes care of you and your food transfer needs. We look beyond the specs to examine what is right for each customer and each application. Apache is your unified source for a wide variety of food manufacturing solutions.

Bring us your ideas. Together, we'll transform them into reality. Whether you need a custom hose, belt fabrication, or cut and molded product, we can make it happen. As your single-source supplier, Apache will save you time, money and energy. With Apache, a single PO can cover multiple product lines, helping reduce overhead and paperwork. That also makes it easier to qualify for freight discounts, which can significantly reduce shipping costs.



CIP= Clean In Place

EU= European Union

FDA= Food and Drug Administration

HACCP= Hazard Analysis Critical Control Point

USDA= United States Department of Agriculture

1 Point of Contact

1 Purchase Order

1 Bill of Lading

1 Invoice

BELTING PRODUCTS

When it comes to transporting food, there's nothing more important than hygiene and safety. At every stage of the manufacturing process, Apache gives you more choices for moving, inspecting, transferring and sorting your food products. All of our food-grade belts are approved by the USDA and/or the FDA.

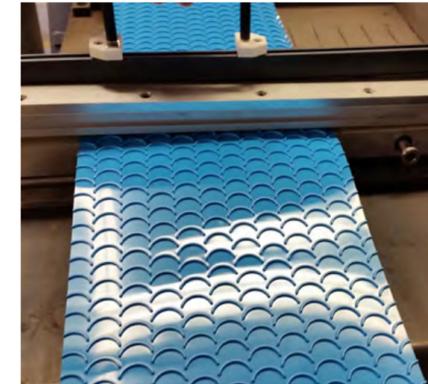
CUSTOM BELTING

Apache belts are custom-made to exact specifications. We offer conventional rubber and cotton belting, as well as European-style thermoplastic belting. Covers are smooth, textured and profiled. Our advanced fabrication capabilities allow us to produce sidewall conveyors, non-fray belts and other unique solutions.



VOLTA FOOD-GRADE BELTING

Volta homogeneous Thermoplastic Elastomer (TPE) belts provide an excellent contact surface for raw, cooked and frozen foodstuffs. Since the belts are monolithic, there are no seams or plies to fray or delaminate. Belts are available with textured nonstick or high-grip surfaces.



Food-grade belts are FDA/USDA/3A Dairy approved and conform to EU regulations. The materials also support HACCP principles and are suited to CIP procedures. Volta belts are available in food-grade blue and beige and a special Low Temperature (LT) version for deep-freeze applications. They also have Metal Detectable (MD) as well as polyester-based products (H Series).

POSITIVE DRIVE

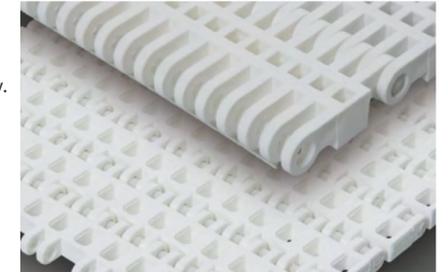
Volta Positive Drive belts feature extruded teeth on the underside of the belting. The teeth engage in a sprocket that drives the belt with little or no pretensioning to prevent off-tracking.



SuperDrive™, Mini SuperDrive™, DualDrive™ and Mini DualDrive™ conveyor belting reduces sanitation time, reduces maintenance, reduces water or chemical expenditures, and reduces power consumption. It lowers bacteria counts for a cleaner, healthier product with improved product shelf life. The new Volta Mini Series belts allow for pulley diameters of less than two inches, which improve transitions on tight lines.

SCANBELT PLASTIC MODULAR BELTING

Apache is the exclusive U.S. and Mexico supplier of ScanBelt modular belts. The belts are made in Denmark and assembled in the U.S. for quick delivery. These unique conveyor systems deliver exceptional food hygiene and a superior degree of cleanability.



SELF-LOCKING PIN SYSTEM

ScanBelt products from Apache have a patented self-locking system. Simply remove the reusable locking pin, clean the belt, reassemble the belt, and off you go. If you ever need to do a repair it's just as fast and easy.



RADIUS OR SPIRAL CONFIGURATIONS

ScanBelt 25 and 50 mm pitch belts have the lowest collapse factor (from 1.5:1 x belt width) for the tightest turns in the industry. Make J-curves and S-curves without compromising the pulling force and product placement. The reinforced outer links provide a very high pulling force without any steel-to-steel contact.



TIGHT TRANSFERS BETWEEN BELTS

With a pitch of 6.25 mm, ScanBelt s.06-401 belts have the smallest pitch in the market. Designed for light transport in the bakery and seafood industry or cooling/freezing applications as well as dairy production.



SCANBELT

...keeping industry moving...

ScanBelt and Volta belts are available in Metal Detectable (MD) versions.

HOSE & ACCESSORIES

Our products perform under pressure, and so do we. Our technicians are trained to NAHAD guidelines and follow vendor-certified processes, and our production facilities maintain ISO certification. This allows us to consistently deliver the highest quality hoses customized to your specific application.

CLEAR PVC FOOD HOSE

The heavy-duty, clear PVC food hose is constructed of an extruded PVC tube and cover with a rigid polypropylene helix. Its clear wall allows visibility of product flow, and works well in milk handling or other food processing applications. This hose is 3A Dairy and FDA compliant, and is acceptable in USDA inspection environments.



FOOD & BEVERAGE SUCTION HOSE

This gray shadow food hose is designed for transferring liquid food products, including edible oils. Its constructed of multiple synthetic fabric plies, smooth FDA approved NBR tube, and abrasion resistant NBR/PVC cover. Its dual wire helix and corrugated cover make it very flexible compared to similar products.



DAIRY WASHDOWN HOSE

Food washdown hose is designed for washdown service in dairies, creameries, packing houses, and food processing plants. It has a white EPDM cover that is abrasion resistant and scuff resistant. Its black EPDM tube will handle 200°F water up to 50 PSI.



BULK COMMODITY DISCHARGE HOSE

The bulk commodity hose is designed for pneumatic transfer of flour and other dry food products requiring a sanitary FDA tube. It has a high tensile synthetic reinforcement with static conductor, a 3/16" thick natural rubber tube for long service life, and a gray non-marking natural rubber cover for abrasion resistance.

FLOUR DISCHARGE HOSE

Our dry food discharge hose is constructed of a white FDA approved natural rubber tube, making it ideal for the transfer of flour, sugar, and other dry edible food products. It has an abrasion resistant and weather resistant SBR cover. An internal static-dissipating wire prevents electrical shock and explosion when grounded properly.

CUT & MOLDED PRODUCTS

Sometimes, the best solution for a food manufacturing line can't be bought off the shelf- You need a specialized way to transfer food product from one line to another, an OSHA-compliant solution that replaces stainless steel funnels to reduce noise in your manufacturing process, or you require a product that meets the NSF/ANSI 61 standard for drinking water systems.

No matter what the demands of your application, Apache is at your side with custom cut and molded products that improve productivity, efficiency, and safety.

CUSTOM FABRICATION

We fabricate all types, sizes, and quantities of custom cut, molded, and extruded rubber products to your exact specifications. Our manufacturing facilities stock a wide variety of specialty materials and compounds for dairy, food, and potable water applications. We'll work with you to find the most cost-effective solution for your processing system.



MATERIALS AND APPLICATIONS

3A Sanitary, Food, and NSF/ANSI 61 compounds made with FDA-approved ingredients are available in bulk sheets/rolls or custom fabrications.

MATERIALS/COMPOUNDS:

- ▶ Nitrile (Buna-N)
- ▶ Neoprene
- ▶ EPDM
- ▶ Natural Rubber
- ▶ Silicone
- ▶ Fluoroelastomer (FKM)
- ▶ Closed Cell Foam
- ▶ Urethane
- ▶ Thermoplastic Elastomer (TPE)
- ▶ UHMW-PE

TYPICAL APPLICATIONS/PRODUCTS:

- ▶ Gaskets and Seals
- ▶ Sleeves and Boots
- ▶ Chutes and Liners
- ▶ Skirting and Flaps
- ▶ O-rings and Shims
- ▶ Bin and Channel Seals
- ▶ Pads and Bumpers



WATER SUPPLY SERVICE GASKETS & SEALS

Apache provides NSF/ANSI 61 certified EPDM gasket material (AB-576) for water supply service. It also meets American Water Works Association (AWWA) standard C111/A21.11. In compliance with the potable water industry's gasket specifications, the ability to resist or recover from permanent deformation post pressure or stress makes Apache gaskets and seals the ideal material for drinking water applications. For easy verification of NSF Certifications, please visit www.nsf.org.



Certified to
NSF/ANSI 61-G & 372

APACHE'S
CEDAR RAPIDS,
IOWA
PRODUCTION
FACILITY IS
CERTIFIED
TO PROCESS
DRINKING
WATER SEALS
AND GASKETS

Certification
to NSF/ANSI 61
ensures that
your products
meet
regulatory
requirements
for the U.S. and
Canada, and
can fulfill the
testing
requirements
for other
countries.

**PSI
CERTIFICATION**
We test, tag
and certify the
PSI of hoses
upon request



EPDM=
Ethylene
Propylene Diene
Monomer

FDA= Food
and Drug
Administration

NBR= Nitrile
Butadiene
Rubber (Buna-N)

PVC= Poly
Vinyl Chloride

SBR= Styrene
Butadiene
Rubber

HACCP= Hazard
Analysis Critical
Control Point

USDA=
United States
Department of
Agriculture

SUPPORT THAT'S SECOND TO NONE

Sometimes you know exactly what you need – you just need it fast. Other times, you know what you want to accomplish, but you're not sure which products are best for the job. Apache gets it. Our product specialists are here to help you make the right decision from the start.

Apache provides ongoing service and support for all of our products, working exclusively through our distribution network. That means our distributors always have access to as much help as necessary to satisfy customer needs.

Need system design and specifications? Our engineering staff can help with that too. We can complete a system survey at the customer's facility and recommend specific components and products.

You're never alone when you work with Apache. Contact us anytime, 24/7 for emergency service.



WWW.APACHE-INC.COM

BELTING / HOSE / CUT & MOLDED PRODUCTS / ACCESSORIES

CORPORATE OFFICE 4805 Bowling Street SW / Cedar Rapids, IA 52404

INDUSTRIAL SALES 800.553.5455

CONSUMER PRODUCTS 800.459.8423

FAX 319.365.2522

WEBSITE www.apache-inc.com



AP12 99002226 REV110618

The most current revision of this information can be found on our website at www.apache-inc.com and supercedes all other versions. Please check the revision date information of any printed materials to ensure the most current information is being referenced.