

CONSTRUCTION MATERIALS MANUFACTURING INDUSTRY
Products That Are Built To Last

MOVING BUILDING MATERIALS MANUFACTURING FORWARD

CUSTOM SOLUTIONS ENGINEERED BY EXPERTS.

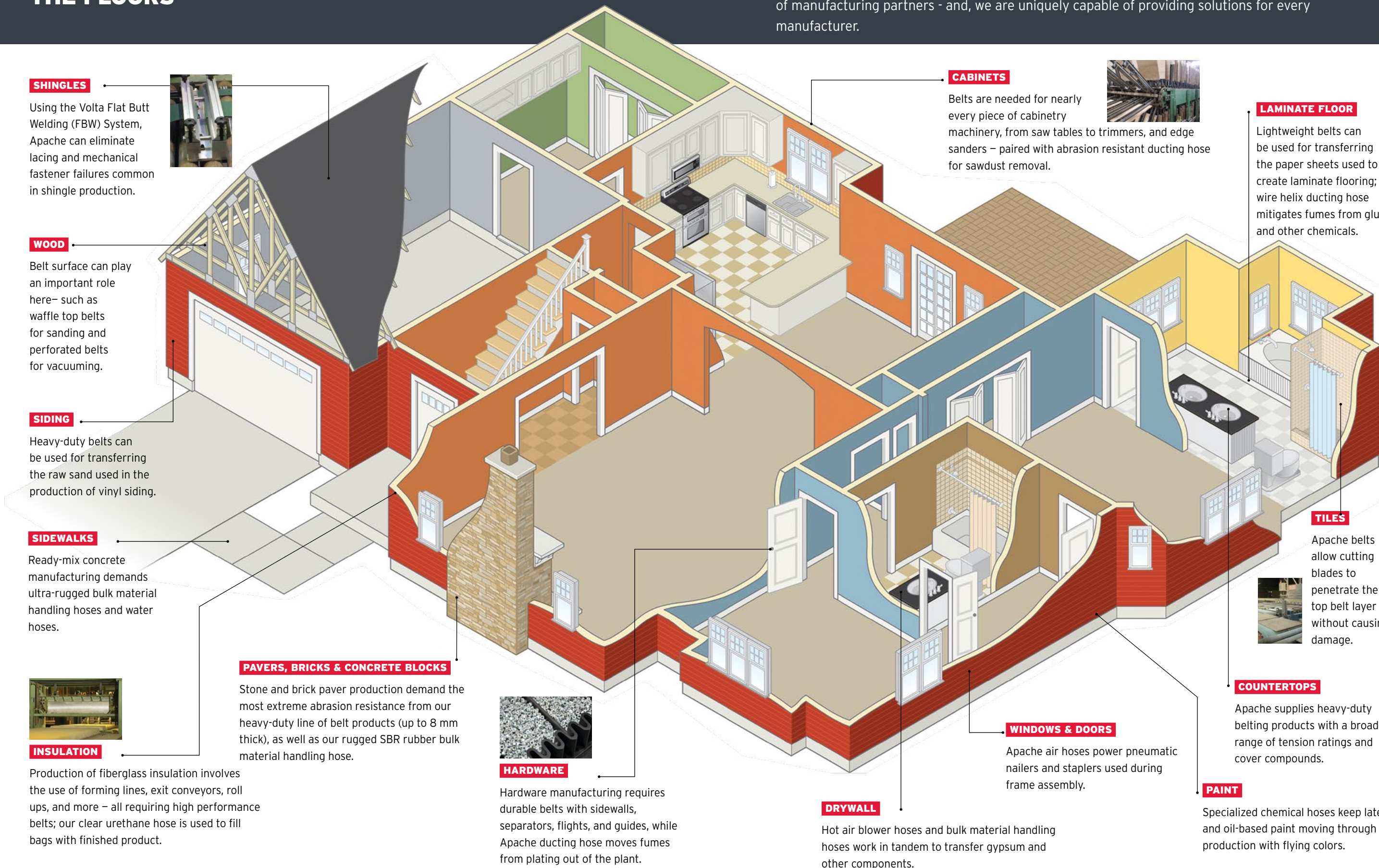
IT'S THE AMERICAN DREAM – TO OWN A HOME. WHETHER NEWLY BUILT OR CLASSICALLY RESTORED, EVERY HOUSE IS CONSTRUCTED USING A REMARKABLY WIDE VARIETY OF BUILDING MATERIALS – FROM THE SHINGLES ON THE ROOF, TO THE WOOD AND TILE FLOOR. At Apache, we understand that each manufacturer has unique needs, but every one depends on durable belting and hoses to keep production running smoothly.

With a demand for both quality and efficiency, even a few hours of downtime can affect your bottom line. That's why Apache not only has our best products available when you need them, but we'll work with you to engineer custom solutions for every application.

► From top to bottom, belting and hose products to keep you building.

APACHE AT WORK FROM THE ROOFTOP TO THE FLOORS

Every item used to construct a home depends on durable, high performance belts and hoses for production. The building materials industry includes Apache's broadest range of manufacturing partners - and, we are uniquely capable of providing solutions for every manufacturer.





THE PRODUCTS YOU NEED, WHEN YOU NEED THEM

As an industry leader, we hold ourselves to the same rigorous standards of quality and service as our customers. So we test all of our products, twice. Apache's product line includes high-quality belting, hoses, and cut and molded products to meet all of the demanding needs of building materials manufacturers.

VESTED IN YOUR SUCCESS

With more than 50 years of industry experience, Apache has a breadth of knowledge we enjoy sharing with our customers. As a 100% employee-owned company, we have the distinct advantage that each and every person is directly tied to the success of our business. Pride of ownership and pride in a job well done go into everything we do. For these reasons, we make your challenges our own, becoming your problem-solving partner.



BELTING PRODUCTS

We're not out to meet your expectations. We want to surpass them. Our highly trained belt specialists can fabricate nearly any belt configuration to satisfy every application – including timing belts, transmission belts, lightweight belting, heavy-duty belting, and OEM and aftermarket components. Additionally, Apache offers fast lacing options and equipment for on-site repairs, allowing our customers to be self-sufficient.

Apache's expert technicians can build a custom solution from any compound – rubber, PVC, urethane – in any configuration.

Custom belting includes:

- ▶ Cleated Belting
- ▶ Endless Belting
- ▶ Longitudinal Splices
- ▶ V-guides
- ▶ DUROWALL™ and PACWALL® Sidewall Belting



INSULATION BELTING

In the insulation industry, conveyor belts are the key to efficient production, transporting materials through each step of the manufacturing process. With extra wide conveyor lines, even the smallest failure – whether it's from poor tracking or splice separation – can result in costly downtime.

Apache belts can be custom fitted for:
Moving Hood Walls

- ▶ Forming Lines
- ▶ Roll Ups
- ▶ Batt Exit Conveyors



Apache specializes in producing wide, high performance belting using longitudinal splicing with uniform thickness for strength. We use a special angle beveling technique in the top cover that eliminates the possibility of cracks developing in the splice, thus eliminating product contamination in the splice area.

SHINGLE BELTING

Performance and dependability are critical during shingle production. Having to replace belts on a weekly basis can be costly in both the investment of new belts and hours spent changing them. Apache's Volta general conveying products are designed to meet the most demanding requirements – from puncture resistance to abrasive material. Apache Volta belts are proven to last longer.

VOLTA GENERAL CONVEYING BELTS

The Volta FRGZ & FEZ belts are constructed from a high-tech custom blend of polymers, and are ideal for high-abrasion applications like shingle lines.

- ▶ Do not absorb industrial oils, fluids or chemicals
- ▶ Low coefficient of friction for slider bed applications
- ▶ Excellent impact absorption from falling/dropping products
- ▶ Highly resistant to cuts and impact punctures
- ▶ Easily welded on the conveyor, reducing production downtime
- ▶ Durometer Hardness: 95
- ▶ Temperature Range: -20°F to 140°F



FINDING SOLUTIONS

Through our partnership with an East Coast building materials manufacturer, Apache has experienced the challenges that come with shingle production. Roofing plants have commonly struggled with losing belts due to mechanical fastener failures. That's why we came up with a better solution – using a Volta FEZ Homogenous Green TPE Smooth x Embossed belt and a Flat Butt Welding (FBW) System.

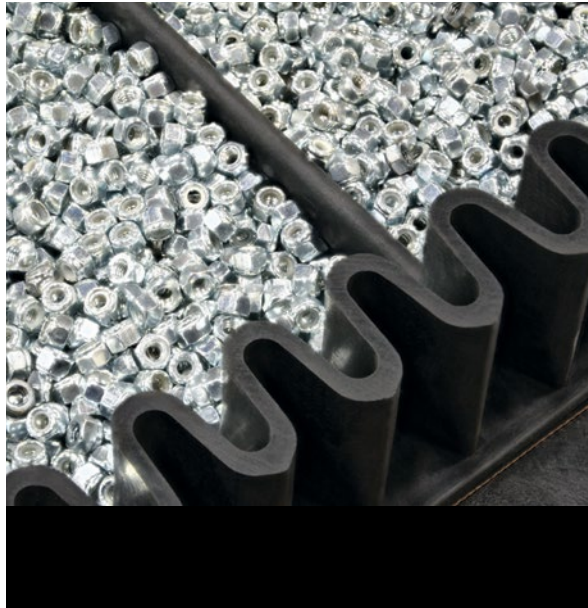
In one application, belt life was extended from just 2 weeks to 10 weeks, with no need to re-tension or re-weld. Cost savings for this one machine are an estimated \$50,000 per year. Due to the success of the trial, Apache began placing the high-abrasion resistant belts everywhere we could for the manufacturer.

- ▶ Eliminate lacing by using a tool that melts and butt welds belts together
- ▶ Belts can be ordered to length or in bulk rolls that can be cut to length
- ▶ Available in various styles and thicknesses
- ▶ Belts can be welded and ready for use in less than 10 minutes

HARDWARE BELTING

From bolts and brackets to light switches and door locks, industrial hardware is used in every building application. Apache provides:

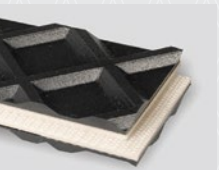
- ▶ Conveyor Belts
 - Belts with sidewalls, metal separators, material flights and guides
 - Belts equipped with bottom guides
 - C-cleats (Scoops) for increased capacity
 - Belts to be used in conjunction with metal detectors and magnetic systems
 - High temperature and chemical resistant
- ▶ Timing Belts
 - Alternatives to chain driven systems that lower maintenance, reduce friction, and are much quieter
- ▶ OEM Replacement Equipment Belts
 - Specially designed to improve equipment performance beyond the original OEM parts



Apache is a proud supplier of Volta manufactured belts. Volta Belting Technology Ltd. has been a world leader in the manufacturing of Thermoplastic Elastomer (TPE) belting and profiles for over 50 years.

VOLTA ABBREVIATION KEY

- E = Embossed
- F = Flat
- G = Gray
- R = Reinforced
- TPE = Thermoplastic Elastomers
- Z = Dark Green



3-PLY 150#
POLYESTER
MONOFILAMENT
BLACK PVC
WAFFLE TOP X
BARE

This unique belt was designed with a square diamond, permanently anti-static, oil resistant cover ideal for sanding and woodwork machines.

DESCRIPTION
ABBREVIATION
KEY

PVC = Poly
Vinyl Chloride

WOOD & CABINETRY BELTING

The wood processing and production industry requires belts for many unique and often difficult applications. With the ability to engineer cover materials and running side patterns, Apache can optimize wood processing machinery to improve performance in every stage of production. From hardwood flooring to cabinetry to engineered wood products, our experts understand that the wood industry demands high performance.

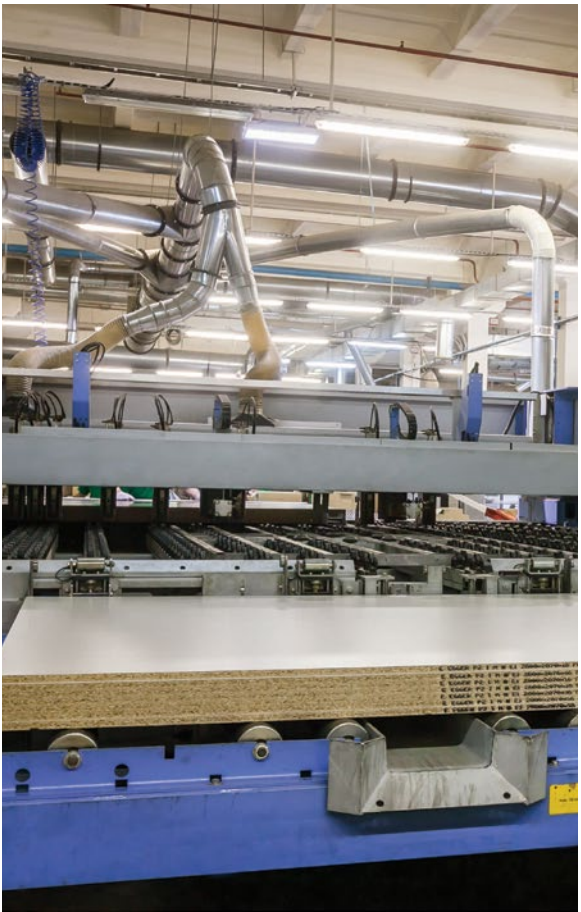
Performance features:

- ▶ Non-marking
- ▶ Resistant to abrasion
- ▶ Resistant to paints and glues
- ▶ High grip
- ▶ Dimensional stability
- ▶ Hard or soft material
- ▶ Surface texture

Especially in the process of manufacturing wood products, belt surface can play an important role – waffle top belts for sanding, perforated belts for vacuuming and edging belts for cabinetry. Our technicians can help you choose the right belt for each conveying or processing application. For one customer, Apache engineered a 3-ply polyester monofilament PVC waffle top belt to improve the process of hidden lacing. This limited their installation time to 30 minutes or less, significantly reducing downtime.

Our belts are often used for:

- ▶ Wood fiber preparation
- ▶ Edge banders
- ▶ Tenoners
- ▶ Forming lines (prepress, saw tables, transfers)
- ▶ Board handling (trimming, crosscutting, sanding)



LAMINATE, SIDING, & SHUTTER BELTING

Belts are a critical tool in the process of manufacturing laminate, siding, and shutters. The needs of each manufacturer and application can vary significantly – from moving heavy, raw sand for vinyl siding to transferring light paper sheets for laminate flooring. In every usage the belts need to be durable and dependable – withstanding a great deal of wear from high temperatures, chemicals, or coarse materials. Apache can engineer lightweight and heavy-duty belting for any application – including stack offs, extrusions, inclines, and compressions.



TILE, STONE & PAVER BELTING

Tile, stone, and brick paver production demands the most extreme abrasion resistance. Apache's heavy-duty belting is designed to excel under the harshest conditions – with a thick solid upper layer (up to 8 mm thick) which provides resistance to cuts, impacts and tears. In addition, reinforced bottoms that prevent elongation and guides prevent off-tracking.

We understand that providing the best belt for the job is about more than stocking a wide variety of premade products. Apache experts can engineer belts for any application. For tile manufacturers, Apache designed a belt that allows cutting blades to penetrate the top layer of the belt without causing damage that shortens belt life. And for brick plants, Apache developed better processes for splicing and repairing belts through the use of butt-welding and electrode weld technology, which has reduce expensive repairs.

Heavy-duty belt applications include:

- ▶ Mixing Belts
- ▶ Polishing Belts
- ▶ Incline Belts
- ▶ Transfer Belts
- ▶ Cutting Belts



COUNTERTOP BELTING

Countertop production requires belts that must be able to support greater widths and higher weights. From butcher block and laminate to marble and granite, Apache supplies heavy-duty belting with a broad range of tension ratings and cover compounds to handle the products of the countertop industry:

- ▶ Popular, durable constructions
- ▶ Standard Grade 2 covers for abrasion resistance
- ▶ Grade 1 covers for impact and tear resistance
- ▶ Moderate and super oil resistant specs
- ▶ High-temperature, fire retardant, and static conductive constructions
- ▶ Plied and straight warp carcasses



HOSE PRODUCTS

Whether it's bulk commodity hose moving abrasive shingle components from trailer to silo or ducting hose that quickly clears sawdust from the air, Apache has the hose types and sizes to get the job done for construction material manufacturers.

Apache hoses are made to withstand the toughest challenges – as evidenced by our thorough inspections, detailed reporting, and rigorous testing, including burst tests. As an NAHAD member, we adhere to the association's hose assembly guidelines to ensure safe, higher-quality assemblies.

HOT AIR BLOWER HOSE & BULK MATERIAL HANDLING HOSE

These two hose types are frequently used in tandem to move materials from the shipping trailer to their designated location, including those used in making drywall, vinyl products and shingles. Apache hot air blower hoses feature superior grade EPDM tubes rated for temperatures up to 350°F, as well as heat and ozone-resistant covers.

Apache bulk material handling hoses range from 2" to 6" in diameter. Lightweight, thermoplastic hoses are best for products that can be moved by air, such as sawdust or fiberglass and also help dissipate static. For situations where abrasion resistance is a primary consideration, as it is in shingle or cement production, bulk commodity hoses made of SBR rubber with thicker tubes are preferred.

WIRE HELIX DUCTING HOSE & CLEAR URETHANE HOSE

While very different in appearance, these two types of hoses share common uses of all-purpose ducting, light dust handling and fume mitigation. The latter is key for facilities that use glues and other chemicals in production, including laminate flooring, countertops and plated hardware.

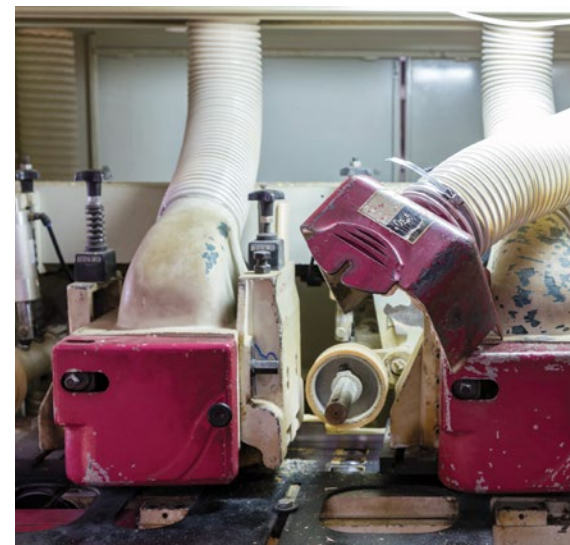
Beyond ducting, Apache clear urethane hoses are also used to transport plastic pellets for vinyl product manufacturing and fill bags of cellulose or blown-in fiberglass insulation.

CHEMICAL HOSE

From spraying the acid that cement plants use to clean their forms and equipment to transporting the trendiest shade of interior latex paint, Apache chemical hoses are designed to take on the construction material industry's most abusive applications, and come back for more.

Our chemical hoses feature several different types of tube materials:

- ▶ Teflon®
- ▶ UHMW
- ▶ Modified XLPE



HYDRAULIC HOSE

Almost every conceivable manufacturing facility uses hydraulic hoses as part of their daily operations, and the construction material industry is no different. Woodworking and millwork plants use hydraulics to clamp wood components, while others use them as the driving force for molds and presses.



RUBBER WATER HOSE & AIR HOSE

The most basic hoses are anything but at Apache. Our industrial grade water hose assemblies are constructed with an EPDM tube and cover that stand up to abrasion, heat, sunlight, ozone and more. They're perfect for tough environment such as masonry production or for general washdown/cleanup.

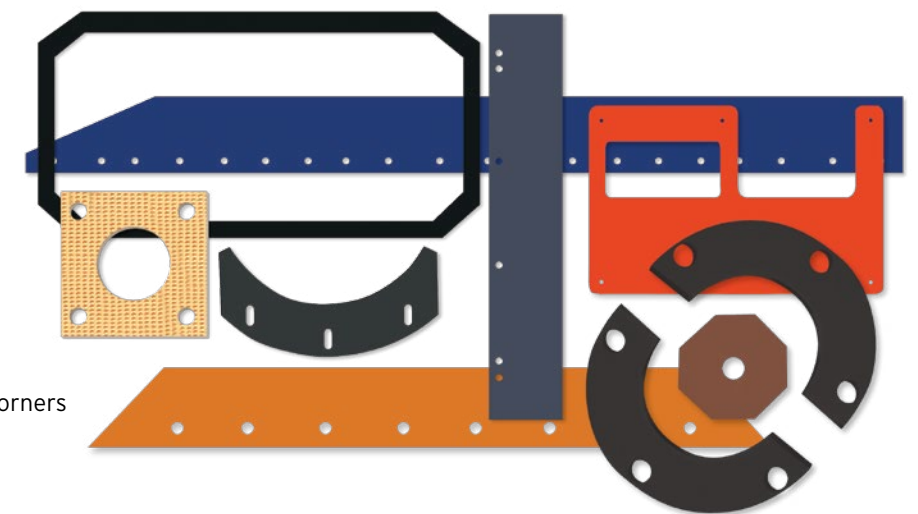
Window and door companies choose Apache air hoses to power the pneumatic nailers and staplers used to assemble frames, while wood and millwork manufacturers use them for blowing off dust from products and equipment. You can count on us to have the size and length you need – from stock hose, to custom assemblies with couplings and ends suited for your specific application.

CUT & MOLDED PRODUCTS

At Apache, we believe creating custom parts is a collaboration. That's why our technical team is committed to working with your engineers to develop parts that are more efficient and cost effective. Our cut parts are processed to exact specifications using CAD files (.dxf, .dwg formats) and one of four cutting processes: waterjet, flashcut, die-cut, and hand-cut. Apache manufactures molded parts using modern computer-controlled and monitored presses for both compression and transfer molding production processes.

COMMON PARTS

- ▶ Rings/Washers
- ▶ Cut Pads
- ▶ Sound Strips
- ▶ Bumpers
- ▶ Grommets
- ▶ Vibration Mounts
- ▶ Seals
- ▶ Flanges
- ▶ Special Transition Corners



Apache's breadth and depth of hydraulic hoses and couplings meet or exceed OEM standards. So you can look to us as your single source for all of your hose and belting needs.



Apache's molded products are formed from the most durable materials, including neoprene, natural rubber, SBR, isoprene (synthetic rubber), silicone, nitrile (Buna-N), EPDM, Hypalon®, and Viton®.

DESCRIPTION ABBREVIATION KEY

EPDM =
Ethylene
Propylene Diene
Monomer

DON'T GIVE ME ANY STATIC

Many building material products generate significant amounts of static electricity during transport. Apache's experts can help you select the right material handling hose to help keep safety issues such as injuries or explosions at bay.



The kink and crush-resistant design of our UHMW hose uses multi-pplies of tire cord, dual monofilament helix rods and a static-dissipating wire, making it ideal for demanding chemical transfer applications.

DESCRIPTION ABBREVIATION KEY

EPDM =
Ethylene
Propylene Diene
Monomer

SBR= Styrene
Butadiene
Rubber

UHMW=Ultra
High Molecular
Weight

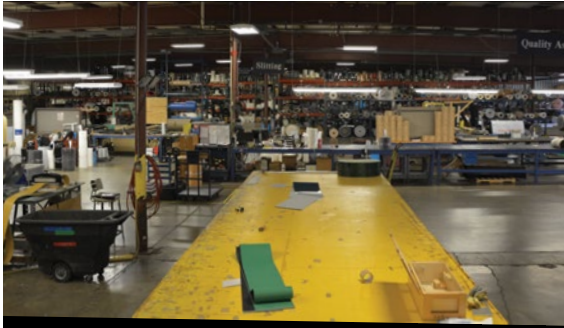
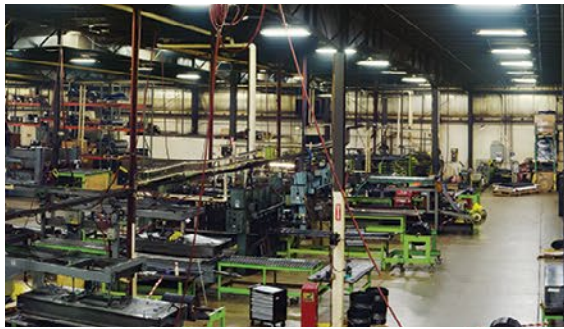
XLPE=Cross Link
Polyethyleneyl

CHOOSE APACHE

As your single-source supplier, Apache will save you time, money, and energy.

PROVEN EXPERIENCE

- ▶ 50+ years of dedication to quality, selection, service and support
- ▶ Durable, quality products tested and proven to withstand the toughest applications
- ▶ An ally who understands the unique challenges of the building materials industry and focuses on providing solutions over products
- ▶ Experienced outside salespeople and in-house sales staff trained to assist with recommendations and solutions
- ▶ 24/7 online order tracking



IT STARTS WITH ONE CALL

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 that can significantly reduce shipping costs.

At a time when vendor reduction initiatives are at the forefront for many organizations, partnering with Apache helps you consolidate your supplier base while increasing efficiencies – all while making you look like a hero to your company.

1 Point of Contact
1 Purchase Order
1 Bill of Lading
1 Invoice



My customer was having to change belting every 1-2 weeks causing them to spend quite a bit of money, as well as at least 4 man hours per week to change out. At 10 weeks into the trial, the belts have held up wonderfully. The new belt started at 4 mm width, is still 4 mm thick, and in use!

– Sales Representative,
Local Product Distributor

SUPPORT SECOND TO NONE

Every day you depend on belts, hoses, and cut and molded parts to keep your business moving forward. Breakdowns cost time and money, that's why our support staff is always on the job. Our experts are here to help you find the right solution to build your business into the future. Utilizing our state-of-the-art production and distribution systems, we'll deliver answers when you need them.

THE DIFFERENCE THAT TENURE MAKES

We believe success is built on a mutual partnership, yours and ours. When you call our support staff, you're talking to people who know our products inside and out, as well as the industries they serve. Experience is what makes the Apache support staff so special.

As a team, there isn't a problem they can't solve (but we challenge you to try). They pride themselves on bringing our customers smart, nimble, cost-effective, product-based solutions that keep your production lines up and running.

You also have the face-to-face support of our outside sales representatives. This next level of customer support gives you an opportunity to discuss your needs in-person. Our staff can come to your location and answer any questions you may have about our products. It's all part of the Apache experience.

DETAILED INFORMATION AT YOUR FINGERTIPS

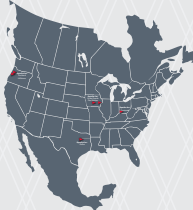
Use these materials to help make informed purchasing decisions about Apache hoses, belts and cut and molded products:

- ▶ Product Brochures
- ▶ Worksheets
- ▶ Technical Data Sheets



REAL-TIME ORDER INFORMATION, DAY OR NIGHT

Apache's website keeps pace with the needs of the building materials industry, giving you 24/7 access to your order information, wherever you are. You get real-time updates to your account, along with the freedom to check order status or history, track shipments, or reprint packing lists whenever you like.



Find your outside sales representative at www.apache-inc.com/territories

Find worksheets and reference information online at www.apache-inc.com



WWW.APACHE-INC.COM

BELTING / HOSE / CUT & MOLDED PRODUCTS / ACCESSORIES

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