Few industries have the tremendous opportunities for belting sales that are offered by waste processing and recycling. These “GREEN” industries utilize a wide variety of fabricated and flat conveyor belts in weights ranging from light to heavy duty. Beltservice offers one-stop shopping for most belts required in waste processing and recycling. These include:

- **MAGNETIC SEPARATOR BELTS**
- **URETHANE-COVERED BELTS**
- **EDDY CURRENT BELTS**
- **HEAVY DUTY RUBBER AND PVC BELTS**
- **CUSTOM CLEATED BELTS**
- **THERMOPLASTIC BELTS**
- **IN-STOCK CLEATED BELTS**
- **SINGLE-PLY STRAIGHT-WARP BELTS**
- **CORRUGATED SIDEWALL BELTS**
- **PROFILE BELTS**
- **FLANGE BELTS**
- **CUSTOM CUT PARTS**

**MAGNETIC SEPARATOR BELTS**

Magnetic separator belts revolve around a magnet suspended over a conveyor. The magnet attracts unwanted metal from material being conveyed and pulls the metal up against the belt. With the help of stainless steel, rubber, or PU cleats, the unwanted metal is transported out of the magnetic field and discharged into a collection area. Magnetic separator belts are available in compounds such as rubber, urethane and PVC.

**RUBBER MAGNETIC SEPARATOR BELTS WITH HOT VULCANIZED CLEATS**

Rubber cleat profiles that are used on magnetic separator belts include: molded I cleats, 1/2" to 6" tall; molded square cleats (shown at left), 3/8", 1/2", 3/4", and 1" tall; and molded “beefy” cleats, 1” to 6” tall. Cleats are vulcanized to the belt cover or attached with non-magnetic elevator bolts. Magnetic separator belts are typically spliced with non-magnetic mechanical fasteners.

**EDDY CURRENT ELECTROMAGNETIC SEPARATOR BELTS**

Corrugated or flanged sidewalls and hot-welded PU (polyurethane) cleats are frequently used on eddy current belts. Eddy current separators (ECS) separate non-ferrous materials such as aluminum and copper from non-metallic materials. Ferrous items containing steel will stay magnetically attached to the belt while non-ferrous pieces are literally ejected from the stream of mixed materials into collection receptacles.

**URETHANE MAGNETIC SEPARATOR BELTS WITH URETHANE CLEATS**

Urethane magnetic separator belts feature a tough interwoven carcass that is covered and impregnated with abrasion-resistant urethane. Square or rectangular cleat profiles are available in any cross section, thickness or hardness. Various colors are also available for urethane magnetic separator belts.

**ARMOR-CLAD MAGNETIC SEPARATOR BELTS**

For long running operation in the very harshest of applications, Beltservice’s rubber magnetic separator belts are covered with stainless steel or urethane plates and stainless steel cleats. These armor plates protect the impact area of the belt from the abuse of sharp, heavy objects drawn by the magnetic field. Standard cleat profiles are 1” to 4” in height with a .25 inch wall thickness.
CUSTOM AND IN-STOCK CLEATED BELTS
Beltservice has more than 40 years of experience in fabricating custom and in-stock belts for MRF (materials recovery facilities) and C&D (construction & demolition) applications. Conveyor belts made by our Beltwall and Fabflex Divisions, combined with Beltservice’s hot-vulcanized cleating capabilities, provide distributors with the widest selection of cleated belting in North America.

CUSTOM HOT MOLDED RUBBER BELTS
Beltservice’s custom cleat fabrications include rubber I cleats, beefy cleats, mini cleats, steel-reinforced cleats, lug cleats, high incline C and S cleats, 2-part I cleats, 2-part S cleats. PVC vinyl cleats, curved PVC cleats, and PVC scoop cleats. Cleats are hot-vulcanized into the belt’s surface, not cold-bonded or cemented. Standard I cleats range in heights from 1/2” to 5” (beefy cleats to 6”). For taller cleats, two-part constructions are used.

INTEGRALLY MOLDED IN-STOCK FABLON CLEATED BELTS
Available for immediate delivery from Beltservice’s Fabflex Division are two series of heavy duty Fablon cleated belts: the 150 series, stocked in 3 different cleat heights and 2 cover types; and the heavier 220 series, available in 2 cleat heights and 2 covers. Cleats are all on 12” centers and molded with the belts’ covers in one operation to ensure they will never separate from the belt. Fablon 150 and 220 cleated belts are 48” wide and cut to any desired width.

BELT潜WALL CUSTOM CORRUGATED SIDEWALL BELTS
Corrugated sidewall belts from Beltservice’s Beltwall Division are ideal for high-capacity, steep-incline conveying. With sidewall heights up to 16”, Beltwall belts are frequently used in applications to carry material from the tipping floor to the sorting lines. Beltwall’s urethane cleats are bolted into cleat bases that are hot-vulcanized to a highly cross-rigid base belt (pictured at left) and are more durable than rubber cleats of similar size.

SPECIALTY BELT FABRICATIONS
Specialty-type waste processing and recycling belts include flanged belts and urethane-covered belts. Urethane belts are made exclusively at Beltservice’s Earth City, Missouri, plant. Fanged belts are also made at Earth City and at our Fabflex Division facility located at Boise, Idaho.

CUSTOM FLANGED BELTS
Flanges for increased carrying capacity range from 1/2” to 2” tall and can be solid, siped or notched (shown at left). They are available in standard 60 durometer or our special 40 durometer to handle smaller pulley diameters without siping. Beltservice’s Fabflex Division also applies sloped or straight vanner edges in heights of 1/2” to 1-1/2”. Belts can be made with prepared ends for field splicing or manufactured endless.

CUSTOM URETHANE-COVERED BELTS
For the most demanding applications requiring cut and abrasion resistance Beltservice manufactures its Ure-Clad, or “Ugly Belt,” in two styles: a skim top cover (shown at left) and a 1/8” top cover. Urethane covers are applied to a wide range of base belts for different conveying situations. Strong, abrasion-resistant urethane cleats can be cast into the surface of a urethane-covered belt to prevent material “slip-back” on incline conveyors.
BELTSERVICE’S INVENTORY
Over 325 belting specifications are stocked in depth by Beltservice’s six United States locations and our Canada and Mexico branches to handle any size order for any waste processing or recycling application. Distributors and original equipment manufacturers are assisted by our experienced sales experts in selecting exactly the right belt for their needs.

HEAVY DUTY RUBBER BELTS
More than 50 separate types of heavy duty black rubber belting are stocked for cut flat belt orders. Beltservice’s 2, 3 and 4 ply standard black heavy duty belts provide excellent abrasion resistance and flex life. A variety of oil and high heat resistant belts and flame retardant belts are stocked in addition to Cover x Bare belts that are designed specifically for medium-to-heavy duty slider bed applications.

THERMOPLASTIC BELTS
Beltservice lightweight thermoplastic belts used in waste processing and recycling include 2 Ply Clear PU x Bare (catalog No. 2B11), IWP (interwoven polyester) 120 and 150 Red Urethane (catalog Nos. 2B12 and 2B13). All 3 have polyurethane covers and are excellent choices for abusive recycling applications and on eddy current systems.

SINGLE-PLY STRAIGHT-WARP HEAVY DUTY BELTS
Beltservice’s premium single-ply straight-warp heavy duty belts are designed specifically for the toughest conveying applications where a low-stretch, impact-resistant, high-strength belt with excellent load support is required. Its unique carcass construction resists longitudinal tears and gouging caused by heavy impacts. Applications include auto shredding, scrap metal recycling and magnetic separators.

BELTSERVICE IN-STOCK PROFILE BELTS
Profile belts are integrally molded from heavy duty synthetic fabric with abrasion resistant top covers and cleat patterns. Examples of profile belts used for incline/decline applications are shown below. For the full range of Beltservice profile belts, call your nearest branch location.
Beltservice: “The Belting Professionals”

40+ YEARS OF EXPERIENCE

Beltservice’s experience in fabricating conveyor belting enables us to consistently produce the high quality specifications the waste processing and recycling industry demands. Our eight locations stock the belts and belting products that are designed to withstand the cutting, gouging, abrasion, oil, and chemicals encountered in this industry.

PVC BELTS – FLAT AND CUSTOM FABRICATED

Over 50 different PVC belt specifications are stocked by Beltservice for prompt delivery. PVC offers your customers versatility with excellent resistance to weathering, acids and chemicals. Custom fabrications for PVC belts include a wide variety of cleats (pictured at left), V-guides, PVC and PU corrugated sidewalls, flanges, longitudinal splicing to any width, and perforations for bucket elevator applications.

CUSTOM CUT PARTS

Parts in high volume or short run can be made from any material in Beltservice’s inventory in addition to urethane, foam rubber, Plexiglas, vinyl, leather, polycarbonate, and UHMW. Thicknesses of up to 4” are cut with two highly efficient cutting methods which guarantee parts are precisely duplicated from your first order to the next for repeat business. Examples include seals, gaskets, liners, pads, and washers.

SKIRTBOARD RUBBER / SHEET MATERIAL LINING

Beltservice offers standard thicknesses of skirtboard rubber (SBR), 1/8” through 1”, as well as urethane, Linatex, pure gum rubber and other non-cataloge materials in sheet form for chute lining and protecting equipment. Because of its good abrasion resistance, skirtboard rubber is frequently used at the point of loading for guiding product onto the center of the belt and for shielding conveyor components.

VIRTUALLY ANY BELT-TYPE

Beltservice fabrications include rubber, Nitrile, Butyl, and PVC cleats; two-part urethane cleats and urethane chevron cleats; hot-vulcanized endless splicing; lacing with mechanical fasteners; hidden or recessed lacing; longitudinal splicing to any width; flanges of SBR, Nitrile, PVC or high heat Butyl rubber; V-guides; molded edge finishes; hole punching and perforations; cleat notching; belt grooving and precision cover grinding; molded urethane parts and urethane-covered belts; urethane segmented v-guides; and more.

THE RIGHT BELT WHEN YOU NEED IT

Beltservice’s objective is to furnish the distributor or OEM the full range of belting products and services at a competitive price with excellent delivery – large order or small. In addition, a priority delivery service is offered to those distributors whose customers are broken down or need a belt quickly; this applies only to fabricated belts and is available for a premium charge.
Locations

St. Louis Headquarters
4143 Rider Trail North • Earth City, MO 63045
(314) 344-8500 • Fax: (314) 344-8511
(800) 727-2358

Sacramento Branch
1424 N. Market Blvd. Ste 10 • Sacramento, CA 95834
(916) 419-7191 • Fax: (916) 419-0173
(800) 289-2358

Philadelphia Branch
101 Lower Morrisville Rd • Fallsington, PA 19034
(215) 795-1900 • Fax: (215) 295-5810
(800) 777-1314

Portland Branch
13327 N. Woodrush Way • Portland, OR 97263
(503) 286-9965 • Fax: (503) 385-5380
(800) 347-9251

Charlotte Branch
940 Julian Clark Ave. • Huntersville, NC 28078
(704) 949-3100 • Fax: (704) 949-3104
(800) 849-2358

Boise Fabflex Division
696 W. Amity Road • Boise, ID 83705
(208) 342-4681 • Fax: (208) 343-8043
(800) 423-4469

BeltSERVICE CANADA CO.
2333 Millrace Ctt. Unit 5 • Mississauga, ON L5N 1W2
(905) 565-9217 • Fax: (905) 565-9224
(877) 210-7423

BeltSERVICE DE MEXICO
Gustavo Baz 305, Colonia la Loma
Tlahuapan, Edo. de Mexico • C.P. 54060 Mexico
(5255) 3362-0434 • Fax: (5255) 3362-0201

Strength... Speed... Efficiency...

BeltSERVICE

*Beltservice’s sales are limited to distributors and OEMs. Please contact our home office in St. Louis if you are interested in becoming a distributor.