STEEL BELT CONVEYORS
FOR THE
RECYCLING INDUSTRY

Solid waste processing
Ash handling
Scrap processing
Recycling facilities
Heavy duty structural steel construction throughout.

Rail for heavy loads and long service life.

Welded and braced spreaders maintain frame integrity.

Impact rails in all loading areas.

Curved sections feature heavy-duty, precision roll-formed tracks.

Removable tail cap section for ease of belt assembly.

Easily accessible belt take-up adjustments.

Drive and take-up sprockets ride on shouldered shafts for assured belt tracking.
Relative motion and the related friction action that takes place at the joint between chain side bars and pins is the key factor causing chain wear. In fact, chain experts universally agree that joint pressures are inversely proportional to chain life. Many competitive chains are designed so that some relative motion can take place between the side bars and pins. This causes higher wear at the pin and chain links. Mayfran chains, however, are designed so that relative motion is avoided to minimize wear and increase chain life.

SOLID WASTE AND RECYCLING

Chain design is the key link to longevity

Reduced effects of relative motion - key in extending chain life

For moving recyclable materials over long distances, PolyArmor belts offer a durable, yet chain-driven economical solution. These belts have been designed to offer the lightweight and low-friction advantages of synthetic belting - with excellent load carrying capacity and assured belt tracking.

PolyArmor belting

Infeed conveyor to a municipal solid waste processing facility (UK)

Infeed conveyor into a solid waste baling plant (USA)
ASH HANDLING CONVEYORS

...for high reliability demands

Heavy duty A-pan belt

for toughest requirements and highest impact resistance.

State-of-the-art controls

Can be provided according to specific customer requirements to be properly integrated in the overall plant control system.

Overlapping Z-pan steel belts

These ruggedly designed belts offer ultimate performance for high impact, or unpredictable loading conditions for materials such as curbside waste demolition refuse.

Double-beaded steel belting

A common alternative for ash handling conveyors. Can be reinforced for better impact resistance.

Ash discharge conveyor from 200tpd industrial waste incinerator (Austria)

Ash discharge conveyor from 100tpd industrial waste incinerator (The Netherlands)
Three main engineering and manufacturing centers and an international network of subsidiaries and sales representatives ... provide a world-wide and interchangeable pool of experience for your specific needs.