



WEIR

ESCO

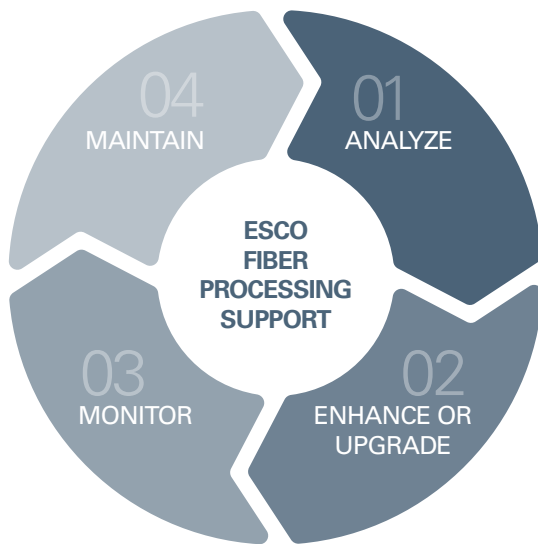
Production and
Wear Solutions
For Fiber Processing Plants

Optimize and protect your investment



Today's fiber processing operations are under increasing pressure to improve production levels while controlling costs and maintaining the safest working environment possible. As with any processing plant, the key to achieving these goals is an optimized equipment system.

This is where ESCO's comprehensive product offering and application professionals can deliver results that are unmatched in the industry. In addition to offering premium components, ESCO provides a matched system – including chain, attachments, drive sprockets, idlers, drums and a complete wear protection package.



ESCO products are trusted worldwide

- Better machine performance and productivity
- Less maintenance and unplanned downtime
- Improved site safety

ESCO premium cast alloy chains



ESCO long link chain

Assemblies were developed to handle nearly any material including pulp wood, bark, chips, hot lime or ash. The square profile adds nearly 20% more wear metal than conventional round link chain. Integral cast flights provide a matched system for easier installation and maximum life.

ESCO XHC-series chain

The strongest, most wear resistant product available today – providing the most cost-effective value for customers. Cast in premium wear resistant alloys ensures the best balance between hardness and strength.



ESCO drag chain

Manufactured with integrally cast sidebar pins to deliver positive alignment and trouble-free performance. Elliptical barrels have extra wear metal in the sprocket teeth contact areas which can easily extend chain life by 2-3 times over conventional fabricated chain.

ESCO Chain Alloy Steel and Material Options

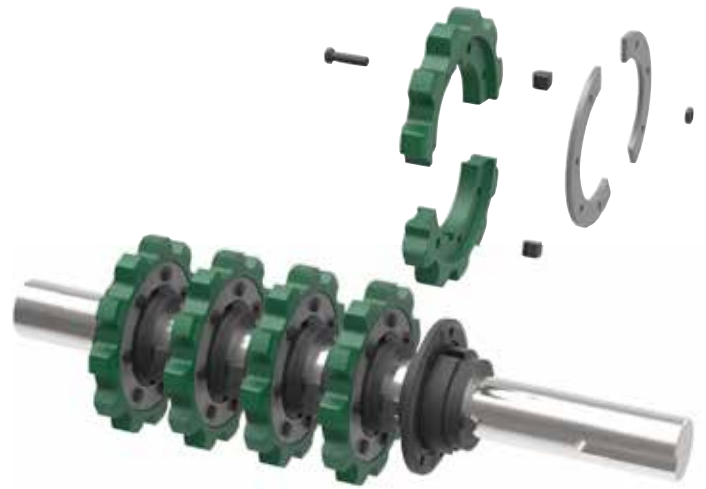
CHAIN AND HAMMER TYPE	ESCO 12-Series Alloys	ESCO 12-Series Alloys	ESCO 12-Series Alloys	Heat/Corrosion Resistant Stainless	Infinity® Tungsten Carbide Overlay
	400-440 BHN	440-500 BHN	500-565 BHN	Up to 1750°F	700+ BHN
Drag	■	■			■
Bulk Material Handling	■			■	■
Engineered Class (XHC-Series)		■		■	■
Long Link		■	■	■	■
Debarker Feedworks		■			
Shredder Hammers and Tips		■			■

ESCO segmental ring drive sprocket assembly

ESCO's segmental ring is a significant advancement over existing technology. The tooth profile better matches ESCO conveying chain for a smoother start-up and a significant reduction in system wear.

The unique design is known to reduce replacement and maintenance costs by up to 50% or more. ESCO's segmental design allows and simplifies replacement of only the worn components – and reduced maintenance leads to better productivity and improved site safety.

When paired with ESCO chain, the sprocket configuration better maintains the optimum tooth face, increasing chain life 20% or more. In addition, ESCO's matched system dramatically reduces the chance of unplanned downtime.



ESCO bark shredder wear components

ESCO is the only supplier that provides solid or two-piece hammers, complete grate systems, and new or rebuilt machine rotors. ESCO matched components ensure longer service life and a safer operation that delivers the desired quality of hogged fuel to the powerhouse.



ESCO standard sprocket assemblies, drums and idlers

Specifically designed to operate at optimum system efficiency when matched with ESCO chain and accessories. The result is greater productivity with less unplanned downtime and lower operating costs.

ESCO bark shredder hammers

Premium cast alloy hammers are available in solid or two-piece versions to support a variety of machine makes and sizes. ESCO offers optional Infinity® E3® tungsten carbide overlay for maximum hammer life.

ESCO wear management solutions

Since 1913 ESCO has been a leader in wear protection-harnessing over a century of metallurgical and engineering expertise to custom design the most durable and cost saving wear solutions for processing plants. Trust ESCO to simplify your wear protection needs and help get the most value out of your equipment.

Kwik-Lok® II wear runners drag chain

Cast, heavy-duty wear runners, sized for easy handling and placement where needed most. The system features a one-piece locking system that provides safer and faster replacement.



Infinity® overlay plate

Infinity overlay plate is produced from premium chromium carbide overlayed on a mild steel plate. Ideal for extreme abrasion with low to medium impact and can be cut and formed to fit the desired configuration.



ESCO abrasion resistant (AR) plate

Manufactured to handle extreme abrasion, with optimum resistance to gouging abrasion under severe impact. Available in AR400 and AR500 grades – your ESCO Wear Management expert will identify the best grade for your specific application.



Infinity® E3® overlay weld

The custom application of Infinity E3 tungsten carbide embedded overlay significantly increases wear protection to extend equipment life. Available in 4 chemistries, ESCO's expert technical team will work with you to determine the best overlay for your application.



ESCO is the one proven source

There are many manufacturers that provide conveying system parts for fiber processing. Only ESCO can provide all system components and accessories – chain, attachments, drive shaft assemblies and wear management solutions.

The following chart lists ESCO's full range of superior products by application. No other company can match this offering, or the strength and reliability that ESCO field-proven steel alloys provide.

The matched ESCO system is field-proven and yields superior results

- Improved conveyor throughput 10%-20% over problematic systems
- Differentiated designs, integrally cast technology
- Premium alloys provide an optimum balance of hardness and strength

The matched ESCO system equals customer value

- Increased component wear life by 15%-20%
- 15% to 30% lower maintenance costs
- Production increased by 10%-20%

Security for your investment

- Multiple options to maximize protection at minimal expense
- Protection where it is needed
- Unsurpassed durability

ESCO Production and Wear Solutions										
APPLICATIONS	CHAIN SYSTEMS			WEAR PROTECTION OPTIONS						
	Long Link	XHC-Series Engineered Class	Drag	Kwik-Lok® Runners	Infinity® Wear Tiles	ESCO 12 Series Steels	AR400 Plate	AR500 Plate	Infinity® Overlay Plate	Infinity® E3® Overlay
Bark & Chip Reclaim / Transfer										
Chains	■	■	■			■				■
Attachments	■	■	■			■				■
Trough Liners and Dividers				■	■		■	■	■	
Drive Sprockets	■	■	■				■	■		■
Idlers / Drums	■	■	■				■	■		■
Log Handling										
Chains	■	■				■				■
Attachments	■	■				■				■
Trough Liners and Dividers				■	■		■	■	■	
Drive Sprockets	■	■					■	■		■
Idlers / Drums	■	■					■	■		■
Bark Shredder Components										
2-Piece Shredder Hammers						■	■	■		■
Solid Hammers						■	■	■		■
Grates							■			■
Rotors							■			■

ESCO conveyor performance guarantees

Standard economics

The matched ESCO system performance will exceed the additional expense.

Plant productivity

The matched ESCO system will increase plant throughput by 15%-20% over conventional competitive systems.



Reducing equipment maintenance



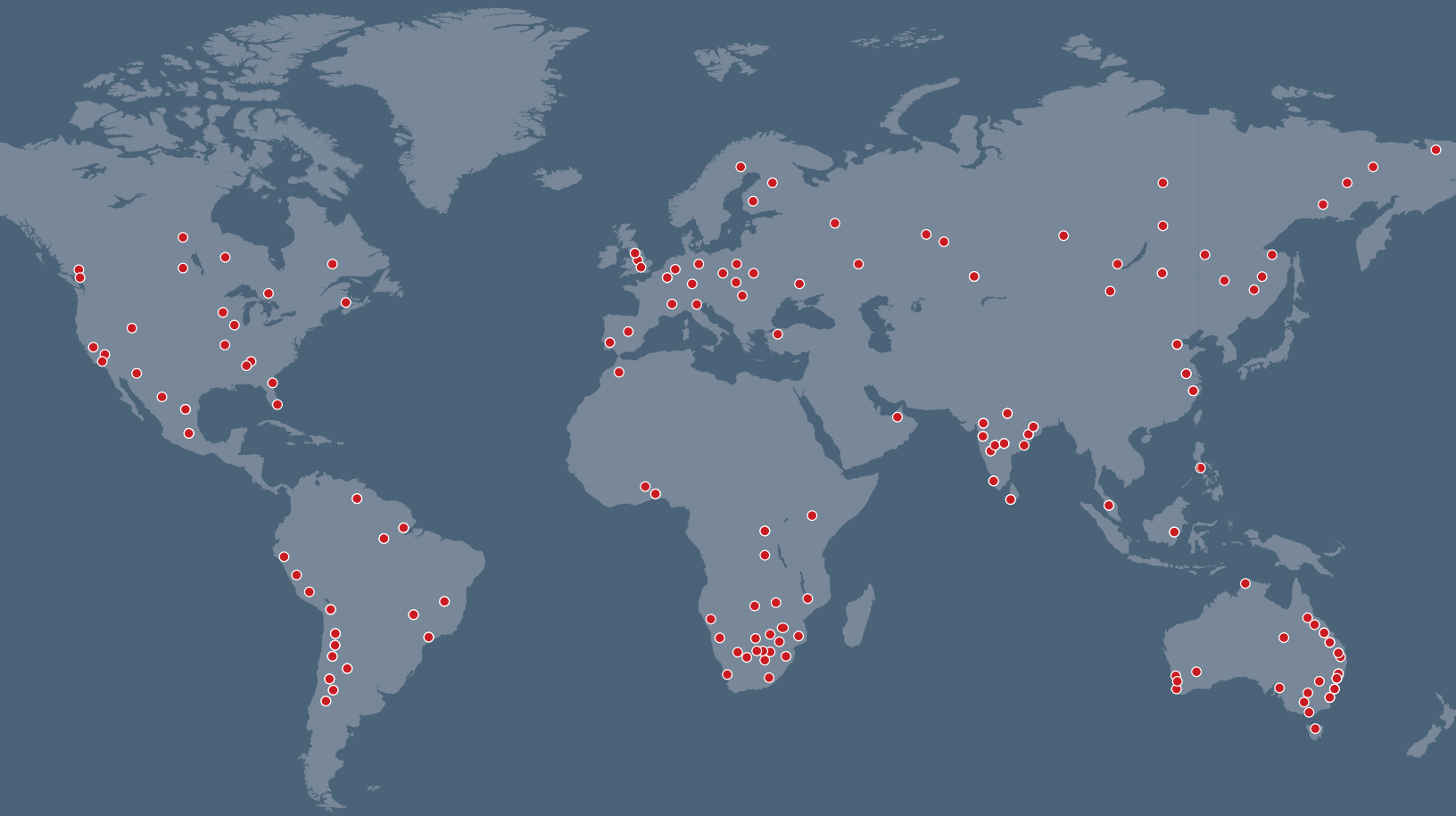
25%

Of all accidents occur during maintenance

Safety is our focus

Reducing equipment maintenance is a major factor in improving site safety. Industry statistics indicate at least one in four accidents occur during the maintenance cycle – almost half while handling materials. ESCO products are field-proven for superior durability and service life.





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