



TWO-FOR-ONE TWISTING AND DIRECT CABLING

The Carpet Twister and Carpet Cabler machines enable two different twisting systems: **two-for-one twisting**, and **direct cable twisting**. Machines which were built for either operation, can be converted to operate in the other system. Machines designed to operate in both systems are easily switched, manually, between the two.



With the **two-for-one twisting system**, the spindle revolution inserts two turns into the yarn. The first turn is inserted between the yarn tension device and the spindle rotor outlet. The second turn is inserted in the yarn balloon, between the spindle rotor and balloon guide.

With two-for-one twisting, there are two types of feed package. With the **assembly wound package**, the yarn ends are assembled onto one yarn package. The ends are unwound from the feed package, through the flyer, preventing the yarn from dragging over the edge of the feed package, and ensuring even unwinding.

With the **single-end feed package**, the untwisted package is placed into the spindle pot. The yarn passes from the package to the top of the spindle and enters the hollow spindle and yarn tension device. The yarn exits the hollow spindle at the bottom of the spindle, entering the spindle rotor. The yarn follows the reserve disc's groove and balloons around the spindle pot. The height of the balloon is limited by the balloon guide, and, on some machines, the yarn balloon's tension, diameter, and shape is restricted by a balloon limiter. The yarn then passes around the deflection rolls, to the pre-take-up/overfeed roller. The traversing guide then feeds the yarn onto the cross-wound package, driven by the package drive roll.

The **direct cabling system** inserts only one yarn turn per spindle revolution. This system is used mostly for two filament fiber strands, without twist. Cabling joins the two fiber strands, without altering the zero twist of each fiber strand.



EPIC'S CANADIAN AGENT RETIRES

Bob Minnis was appointed as Epic's agent in 1992 and will be retiring December 31, 2006 after 14 years of devoted service. Bob will be available, on a fee basis, to serve Epic as required. Our very best wishes to Bob and his wife, Josée Biron. Bob, we thank you for your hard work, dedication, and friendship over the years.



With direct cabling, one of the two feed packages is placed in the spindle pot, with this yarn end being unwound overhead, without rotating, passing through a yarn brake tension device. The second package is fitted onto the creel, with this yarn end passing through the creel brake tension device, and then through the yarn entry tube, into the hollow spindle on the lower part of the spindle. The yarn exits at the spindle rotor, wrapping around the reserve disc, and rotating as a balloon around the stationary spindle pot. The yarn balloon's height is limited by the balloon guide, and on some machines, it's diameter is limited by a balloon limiter. The twist is inserted at the balloon guide, where the two ends are joined. The yarn then passes over the deflection rolls, of the thread path control, to the pre-take-up/ overfeed roller. The traverse guide then feeds the yarn onto the package, which is driven by the package take-up drive roll.

Epic supplies the components for various conversions for 2/1 and direct cable twisters. Please contact us for more information.

ICBT COST SAVINGS

Are bearing costs cutting into your bottom line? What about the costs of grease and labor involved with re-greasing bearings? Would eliminating two bearings per position (on ICBT CD460, CD510, & CD560 machines), with no detrimental effect interest you? What about replacing sixteen parts, with only four parts, with no negative consequences, and saving around \$30.00 to \$40.00 per position (approximate cost of the 16 original parts compared to the cost of two Epic studs and two Epic centering discs)?

If this has peaked your interest, please contact your Epic sales representative, or call our customer service department, and inquire about our new EE380216 conversion stud for the ICBT cradle arm. This conversion stud allows you to use the Volkman-type centering discs on your ICBT machine. Two EE380216 conversion studs and two Epic centering discs (we carry over 50 different sizes) allow the elimination of two bearings, two take-up centerer axles, two protecting cups, the left and right centerers, the left and right deflectors, two grease cups, two screws, and two locknuts. Epic's Volkman-type centering discs have been successful world-wide for many years, and Epic has sold tens of thousands of these type centering discs.



EE380216

Epic has several customers already taking advantage of the savings that this conversion provides. Over time, the savings will be very substantial. Due to customer-preference, Epic has developed two differing length versions, the EE380216 and the EE380216-1. Please call us for a quotation and a trial evaluation to see if this conversion makes sense for you.

EPIC PITCHES IN TO HELP

Epic sponsored a team made up of Epic employees and family to play in a Co-Ed Softball Tournament and Home Run Derby November 3-4. The event was organized by members of a local church to help a local family with medical costs for their nine-month-old infant, Noah Jones, who had intensive brain surgery to relieve his nearly endless seizures – 63 in a single day. The successful surgery was performed in August and involved eight surgeons at Johns Hopkins Medical Center in Baltimore, Maryland.

Epic’s team lost both games in the tournament, with scores we don’t care to mention. Despite the loss, sore muscles, bumps, sprains, and bruises, our hearts are happy for having played a small part in raising over \$8,000 for this worthwhile cause! Wayne Fuller, also an Epic employee, donated the team’s T-shirts for the event.



Back Row: (L to R) Jeff Newton, David Beard, Robbie Cook, Scottie Cummings, James Scarboro; **Center Row:** Jerry Henson, Bobby Scarboro, Johnny Collier, Tito Nieves, Jason Carlyle; **Front Row:** Kris Berry, Terri Scarboro, Devinne Beard, Paula Nieves, Teresa Scarboro, Sissy Morgan; **Not Pictured:** Ashley Scarboro, Sherri Beard – statistician

NEW AGENT FOR GUATEMALA



Frank Mejia Restrepo

Epic is pleased to welcome Frank Mejia Restrepo of DOZ Internacional Representaciones as one of our newest agents. He will represent Epic’s products and services in Guatemala.

You can find his contact information on the Epic website at <http://www.epicenterprises.com/agents.htm>. Welcome aboard Frank!

RECENT CUSTOMER TESTIMONIALS



All testimonials are actual, current, verbal or written comments from customers. We omit the names to protect their privacy.

One of our international agents, in the South Pacific, remarked: “I was amazed to have the local courier deliver our order dated October 16, here at 9 AM this morning, October 20th. Now, even if I flew home from your office, I would hardly arrive here, into our office, that quickly. What a superb delivery turnaround and many thanks to those involved with the processing, packing, and other dispatching arrangements involved. Epic service is just second to none, believe me, and it makes us agents look so good in the eyes of our customers.”

A customer recently verbally expressed his gratitude for everything Epic does for his plant. "Our vendor/customer relationship has made my transition to plant manager much more pleasant. All my people hold Epic in high regard and their trust in Epic allows me to focus on the big picture."

A customer told us the Superba head building and head shift classes have helped them out greatly. They have experienced better head life and are having less down time in heat-set. They were very appreciative of our services.

TRADE SHOWS



CITME 2006: Epic’s Mark Warren, with members of King March Development Limited of China and Hong Kong

A special thank you to all our customers and agents, that visited with our representatives at these recent shows:

China International Textile Machinery Exhibition (CITME) in Beijing, in October

American Textile Machinery Exhibition-International (AMTE-I) in Atlanta, GA, in November

Watch for our upcoming trade show participation schedule.

Epic Enterprises, Inc.

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Merry Christmas and Happy New Year
 From Epic Enterprises

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