



Saving you money

Product Showcase

Interpex 2006 - New York, NY

POLYPACK, Inc. - Booth: P-2373

NEW!



TUBE 90 / TUBE 180 MULTI-PACK WRAPPER SPECIFICALLY DESIGN FOR TUBED PRODUCTS

The Tube series are fully automatic, offset-inline, multi-packing systems designed specifically for tubed products. The tube 90 consists of a single lane infeed/collator with a single lane wrapper/tunnel. The Tube 180 is composed of a dual lane infeed and collator, with a dual lane wrapper/tunnel.

- A single, offset-inline plastic tabletop infeed conveyor carries individual tubes lying down with their long dimension parallel to flow, caps consistently leading or trailing, to a position of accumulation.
- Once accumulated, the 4th tube is clamped into place. The first 3 products are then advanced ½” to eliminate line pressure.
- An overhead product collator is actuated to begin the collation process.
- The collator consists of 3 separate, 4 axis linear servo driven sets of pick and place suction cup assemblies.
- Each of the 3 sets of suction cups is pre-programmed to move down atop one of the first 3 tubes on the infeed conveyor. Note: each of the 6 individual suction cups is independently controlled by a separate venturi. Each individual suction cup is capable of picking up a tube. The second cup on each assembly offers redundancy.
- The first 3 tubes are lifted. Tubes 1 and 3 are brought adjacent to one another while the 2nd tube is rotated 180 degrees and positioned between tubes 1 and 3.
- Polyethylene shrink film is already in position atop the first few “buckets” of the Polypack “bucket” machine wrapper/tunnel.
- The linear servo system simultaneously brings the 3 tubes together, positions them above the film/bucket combination and lowers them atop the film, onto a bucket.
- The process is repeated to either load a second lane when running 3 packs or to complete a 6 pack when running 6’s.
- As the infeed/collation process is repeated, the bucket advances forward to allow for the sealing process to function and to position another bucket for the next product grouping(s).

INNOVATION IN PACKAGING EQUIPMENT

POLYPACK, Inc. 3301 Gateway Centre Blvd. Pinellas Park, FL 33782
Tel: 727.578.5000 * Fax: 727.578.1300 * Email: info@polypack.com
www.polypack.com

