A high percentage packed requires precision ware handling

478 Ware Transfer

- Provides precise and stable ware transfer between the IS Machine conveyor and the cross conveyor leading into the Lehr
- Maneuvers containers smoothly through a right angle turn with minimal centrifugal force
- Reduces ware loss with patented inner pocket inserts that cradle containers by matching their shape
- Adapts to single, double, triple and quad gob operations and most any drive system
- Operates reliably at production speeds of 100 - 550 BPM
- Simplifies job changes, setup and maintenance
- Integrates into Emhart Glass’ Ware Handling System
- Installs easily into new or existing applications

EMHART GLASS
Benefits of the 478 Ware Transfer

The 478 Ware Transfer from Emhart Glass provides precise and stable ware transfer between the IS Machine Conveyor and the Cross Conveyor leading into the Lehr. The system readily adapts to single, double, triple and quad gob operations. The 478 smoothly maneuvers containers through a right angle turn with minimal centrifugal force. Each container is cradled in a modular finger that is easily configured for optimum ware handling. The modular fingers are guided by a cam chain that runs smoothly through a top and bottom cam track. The middle cam track precisely controls when the inner pocket inserts are extended and retracted. This eliminates the need for stripper bars or guides while maintaining precise ware spacing on the Cross Conveyor.

Reliable, efficient ware handling is another way that Emhart Glass helps the glass industry achieve efficient, cost-effective production.

- **Reduces Ware Loss**
  - Patented inner pocket inserts precisely extend and retract:
    - No need for guides or stripper bars
    - Reliable container separation
    - Accurate ware spacing
  - Modular cam chain with modular fingers:
    - Cradles the container by matching its shape
    - Supports 2 - 4 pocket inserts
    - Various pocket insert sizes and materials available
  - Reliably operates at production speeds of 100 - 550 BPM

- **Reduces Setup and Maintenance Time**
  - Modular cam chain and fingers:
    - Readily configure for a wide range of containers
  - Three axis adjustment of the 478's position
  - Driven by a single detent clutch:
    - Removes motor power if a jam occurs

- **Readily Installs into Existing Applications**
  - Integrates into Emhart Glass' Ware Handling System:
    - Takeout, Pusher, Conveyor, 478, Cross Conveyor and Stacker work as one synchronized system
  - Easily adapted to most any drive system

US patent # 5,277,296