

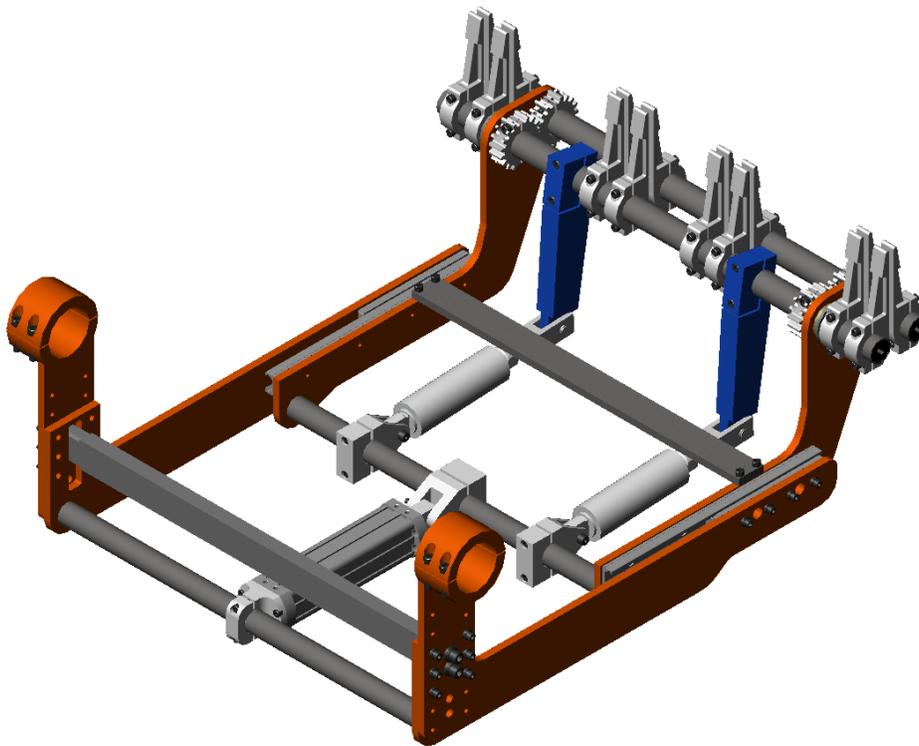
## Get Improved Part Takeaway Efficiencies and Positive Bottle Control with Uniloy's New Actuating Swing Arm Assembly

Uniloy is proud to introduce our new and improved **Actuating Swing Arm Assembly**. The innovative design of these arms makes them the perfect choice for difficult part takeaway situations.

Applications include:

- Direct load to a horizontal impact trimmer
- Loading wide bottles onto a cooling bed which feeds a horizontal impact trimmer
- Loading bottles onto a cleated conveyor which feeds a vertical impact trimmer
- Loading bottles onto a transfer screw assembly feeding either a rotary trimmer or a detabber and spin off trimmer

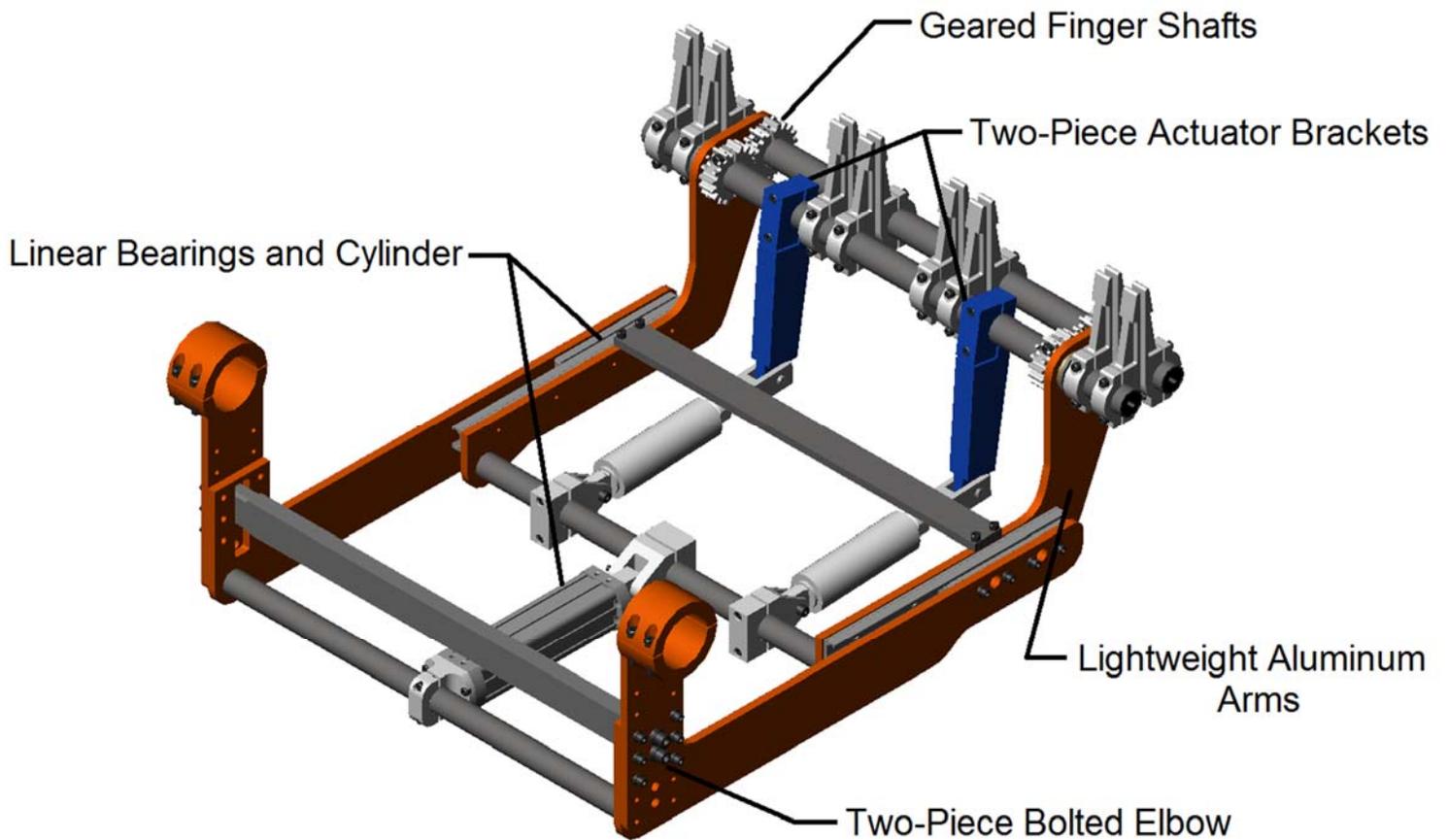
In each example above, the actuating motion of the swing arms makes it possible to load the containers with the arms extended, then retract the arms and swing up over that set of bottles. This provides a cleaner, faster load without the wasted time of waiting for bottles to clear out of the way.



## System Design Features

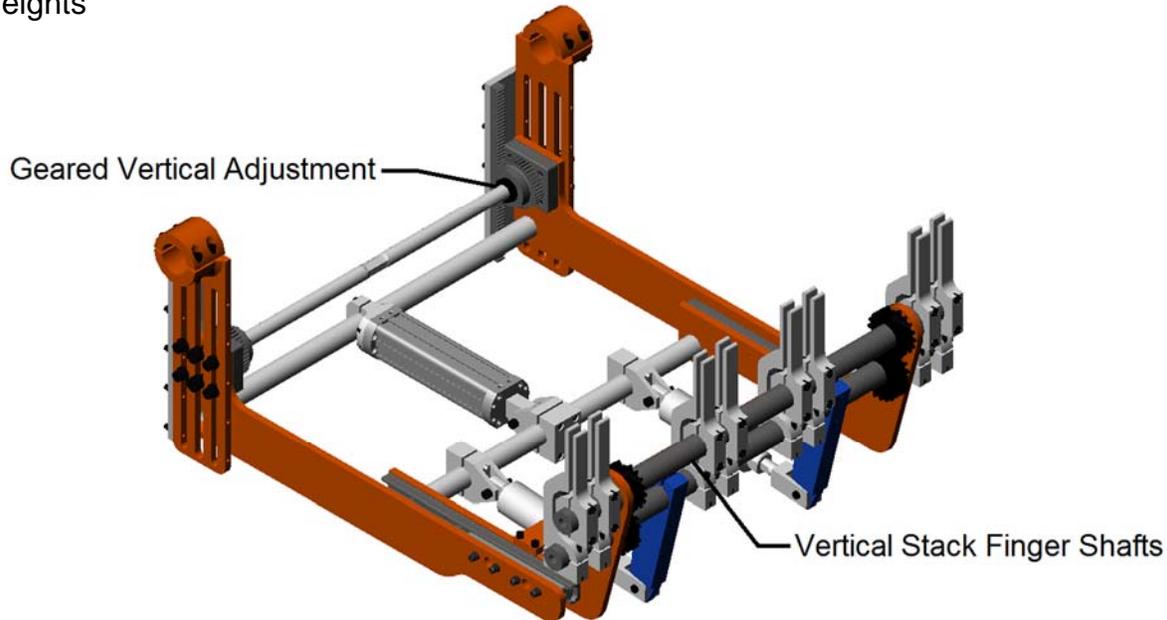
### The actuating swing arm assembly features:

- Linear bearings and cylinder for horizontal arm extend/retract
- Two piece bolted elbow for easy vertical adjustment
- Geared finger shaft connection for precise finger actuation
- Two piece actuator and cylinder clevis brackets provide tight fit and easy maintenance
- Aluminum arms lightweight this assembly



## Swing arm options:

- Geared “quick change” vertical adjustment provides quick changeover when running multiple mold setups
- Vertical stack finger shafts make it possible to reach shorter molds with narrow clamp shut heights



These options can be used together in an assembly or independently to suit the needs of the application.

Either option can also be ordered with a solid non-actuating arm assembly if desired.

## Benefits of Using Actuating Swing Arms

### Efficiency and Reliability

- Provides positive bottle control from the mold to the conveyor feeding the trimmer.
- Geared “quick change” vertical adjustment makes swing arm adjustments after a mold change quick and easy.

### Faster Cycle Times

- Eliminates time delay between mold open and stripper down in drop chute shuttle applications.
- Eliminates the lost cycle time in direct load applications of waiting for the bottles to index out of the way before the swing arms can swing back up to the molds.

### Improved Versatility

- These swing arms are fully adjustable making it possible to run a wide range of bottle heights with only minor adjustments.

- Transfer screws and cleated conveyors are far less sensitive to bottle width differences than the old drop chute and shuttle system.
- Wide bottles are no longer a problem loading onto a cooling bed using the actuating arms. Simply drop the bottle off extended, retract the arm, and swing back up for the next set of bottles.

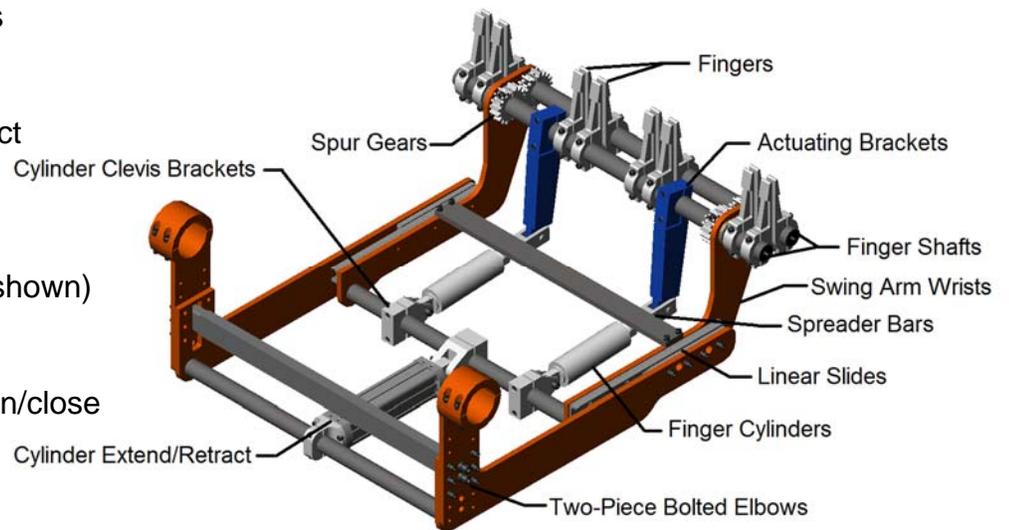
## Startup Friendly

- The actuating swing arm assembly is capable of running in a startup mode, which makes it possible to have multiple bottle drop points.

## Swing Arm Package Includes

### Actuating Swing Arm Assembly

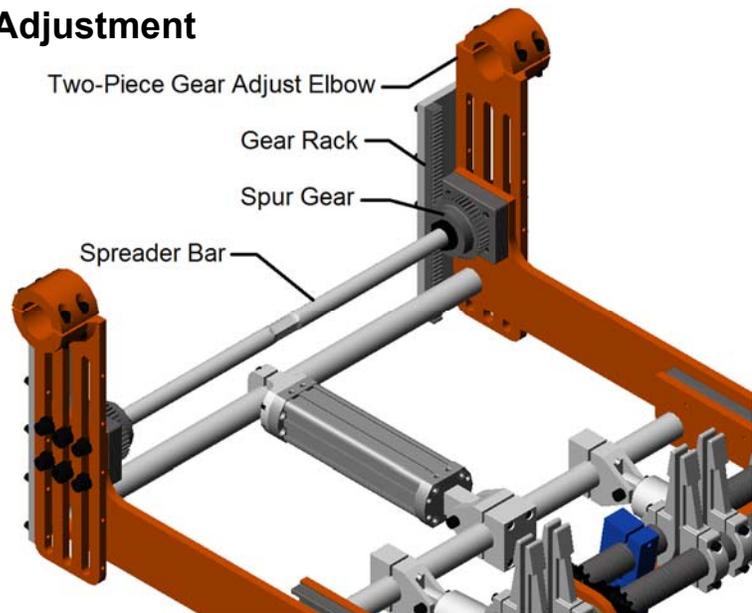
- Two piece bolted elbows
- Swing arm wrists
- Linear slides
- Cylinder for extend/retract
- Finger shafts
- Spur gears
- Fingers
- Proximity switches (not shown)
- Actuating brackets
- Cylinder clevis brackets
- Cylinders for fingers open/close
- Spreader bars



## Swing Arm Options

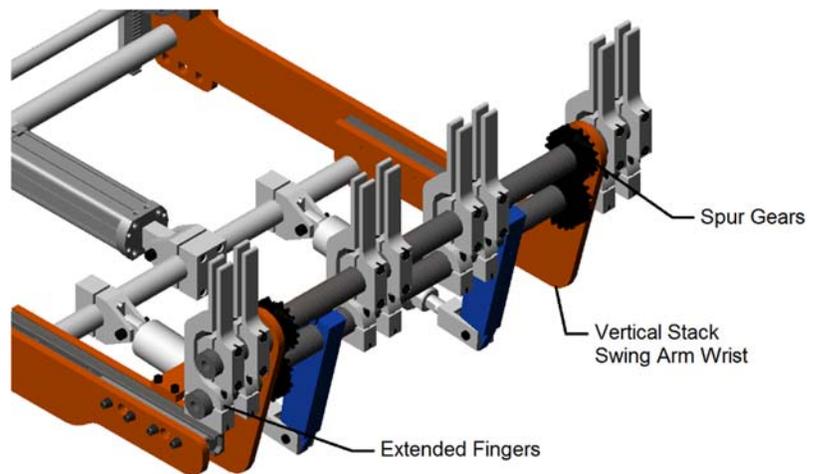
### Geared "Quick Change" Vertical Adjustment

- Gear rack
- Spur gear
- Two piece gear adjust elbow
- Spreader bar



## Vertical Stack Finger Shafts

- Swing arm wrist vertical stack
- Spur gears
- Extended fingers



## Additional Assemblies That May Be Required

Depending on your machine configuration and the type of conversion you want to do, additional assemblies may be required to complete the retrofit. The following lists are examples of common conversions.

### Replacing a drop chute and shuttle assembly

- Actuating Swing Arm Assembly
- Transfer Screw Takeaway
- Flat Top Conveyor
- Front Machine Guarding
- I-Beam Risers

### Installing a new Rotary Trimmer

- Actuating Swing Arm Assembly
- Transfer Screw Takeaway
- Flat Top Conveyor
- Front Machine Guarding
- I-Beam Risers

### Installing a new Vertical Impact Trimmer

- Actuating Swing Arm Assembly
- Cleated Conveyor
- I-Beam Risers

## Sales and Service

For more information on this product offering or any other machine upgrade, please contact your local Uniloy Parts Sales Representative. Trained Uniloy Service Representatives are available to assist in the installation of these packages at your facility.