



**CASCADE**  
engineering  
*shaping ideas in plastics™*



LIFTERS . SOLID WASTE SOLUTIONS



LIFTERS

# AN UPLIFTING APPROACH

Cascade Engineering offers a full line of lifters that meet the demanding requirements of semi-automated collection systems. We have models available in Rotary Actuator and Cylinder Style that will satisfy any lifter application, whether side-, front- or rear-loading.

## ROTARY ACTUATOR LIFTERS

Cascade Engineering offers three types of Rotary Actuator Lifters to meet specific applications.

- **R - CTB** — designed for critical ground clearance applications, such as when used with lower-tipping/roll bar commercial rear loaders, allowing 20-22" ground clearance
- **R - RL-SL** — for use on rear-load collection vehicles that use overhead winch systems without a tipping bar; or for use on some side-load collection vehicles and front-load work bins
- **R - XHD RL-SL** — for use in high-dump, heavy-use applications on side-load trucks with tall load sills or for heavy-duty rear-load applications – typically not for use on commercial collection rear-loaders



R - XHD

### ROTARY ACTUATOR LIFTER BENEFITS:

- Equipped with Helac® brand rotary actuator units for reliable performance
- Pivoting upper saddle allows for easy cart attachment and reduces the shock associated with “whip action” when lift unit is shaken in the up position
- Positive latch assembly requires no adjustment for maintaining the required ANSI container latch dimension
- Multiple arm lengths to fit specific truck applications
- Arms feature grease zerks fittings on most critical pivot point bearings to ensure consistently smooth operation
- Parts replacement accomplished with hand tools — no torch or welding required



R - CTB

## CYLINDER STYLE LIFTERS

Cascade Engineering offers four types of Cylinder Style Lifters. All models are equipped with industrial-quality hydraulic cylinders and each unit comes complete with a bolt-on mounting plate and a weld-on installation plate for quick and easy setup.

- **XHD-RL** — the industry standard for residential semi-automated rear-loading applications
- **Low-Profile HiLift RL** — for residential rear-load collection bodies with raised hopper loading sills
- **Low-Profile CTB** — for commercial rear-load collection bodies with lower-tipping roll bars
- **Low-Profile RL-SL** — for commercial rear-load with OH winch applications and some side-load collection bodies



XHD-RL

### CYLINDER STYLE LIFTER BENEFITS:

- Designed to avoid being hit by the packing blade that would damage the faceplate, while still maintaining a 45° dump angle
- No-lube spherical bearings reduce stress caused by uneven level loading surfaces and eliminate any need for dirt-attracting grease points
- Exclusive breakaway feature eliminates damage caused by contact with objects on the ground
- Pivoting upper saddle for ease of cart attachment and reduced “whip action”
- Positive latch assembly meets ANSI specifications and never needs adjustments, as with typical competitive brands
- Parts replacement accomplished with hand tools — no torch or welding required



Low-Profile CTB



**CASCADE**  
engineering

*shaping ideas in plastics*

4950 thirty-seventh street se  
grand rapids, mi 49512  
p. 1.800.968.CART (2278)  
f. 616.956.9492

[cascadeng.com](http://cascadeng.com)

We provide innovative solutions to the increasingly difficult challenges faced by our customers. We accomplish this through a marriage of technological advancements and strong personal and corporate relationships, both of which are built on a commitment to excellence. Most important, we offer this faster than expected, because speed to market is a crucial factor for all of our clients.

At Cascade Engineering, we are continually shaping ideas in plastics through materials development, engineering and manufacturing of plastics products, support materials and services for the solid waste industry. We look forward to the opportunity to create solutions that make sense for you, and for your bottom line.