

The T.O.P.S. “Swift Justice” Impact Tester

Over the past 35+ years, the bulk material handling industry has witnessed an elevator bucket manufacturer impacting various competitors’ plastic and steel elevator buckets at trade shows and via the internet.

Known in some circles as the “Banger Machine,” this impact tester is designed to mimic an obstruction in a bucket elevator and to demonstrate how it may effect various brands of CC style elevator buckets.



The test is conducted by first mounting the sample elevator bucket to a backing plate and then manually cranking down the heavy metal red impacting bar. Once the metal bar is cranked down and the spring completely compressed, the machine is under extreme stress. The demonstrator then pulls the lever responsible for restraining the metal bar, thereby instantly releasing all stored tension (energy) in the spring which then propels the red impacting bar forward around its axis at a very high rate of speed. The large mass of the impacting bar, combined with the high rate of speed at which it travels creates a violent interaction between the impacting bar and elevator bucket.

Once the strike occurs, the audience can then witness how the impact affects different brands of elevator buckets. While some brands demonstrate catastrophic failures where the bar severely cracks or blows through the elevator bucket, others tend to yield and bend to the bar, but not fail.

Because we feel this type of impacting is a valid test for an elevator bucket, T.O.P.S. chose to build our very own in-house impact tester for quality control reasons. Our intentions were not to negatively advertise the destruction of competitors’ elevator buckets, but with the release of our HEAVY-DUTY CC Swift™ elevator bucket came several inquiries from within the industry as to how our bucket would hold up to the other brands on an impact tester.

Reacting to these inquiries, we felt the industry deserved to see how our HEAVY- DUTY CC Swift™ performs as compared to other elevator bucket brands on the market today. As our valued customers, YOU asked us to compare and now we will deliver in the hopes of proving just how tough and superior the CC Swift™ really is!!!

Round #1 = T.O.P.S. CC Swift™ Heavy-Duty Elevator Bucket vs. Tapco CC-HD Heavy- Duty Elevator Bucket!! Stay tuned to view the results.....



*Tapco and blue buckets are registered trademarks of Tapco Inc.