

A preloader allows the side-channel blower to buffer vacuum in the hose system, down to the UniGripper. When the UniGripper is in position to grip an object, the preloader is opened, creating an almost instant vacuum on the object, thus enabling faster cycle times. A preloader might in some cases allow a smaller blower to be used or help overcoming issues when the hose systems starts to get too long. Even with a preloader, a reverse blow unit is usually still needed in order to have the benefit of large flow that cleans the filter system.

