

The UniGripper foam carrier assembly ensures the most convenient and effective way to change suction foam on the market. The foam carrier is attached to the rest of the UniGripper with screws and can be removed just by loosening these. The foam carrier can then be placed upside down in an ergonomic position for the foam to be changed. As the foam carrier assembly can be separated from the UniGripper, the rest of the UniGripper and the connection to the robot can be left untouched. Furthermore, if an extra foam carrier plate is available, exchanging the plates can be made in minutes and maintenance downtime is minimized: The UniGripper can continue in operation and the foam replacement can be carried out months or years later, when a new foam is needed.

The foam carrier assembly is also the enabler for the filter cassette, a removable filter between the foam carrier and the rest of the gripper also serving as a gasket. In clean facilities and when handling clean products, the filter cassette may not be needed, but it is an often-used accessory and is included by default in the Standard Module System. When using a vacuum source with a reverse blow function, reverse blowing helps cleaning the filter cassette. As the filter can be removed from the foam carrier and then reinstalled, it is easy to get access for cleaning the filter thoroughly.

A big variety of foam types and thicknesses can be selected for numerous applications. Foam types with quick reaction times, high sealing properties and mechanical and oil resistance properties, even a FDA approved foam for food applications are available. All foams can be delivered with different types of adhesives, from tear friendly to heat resistant.

