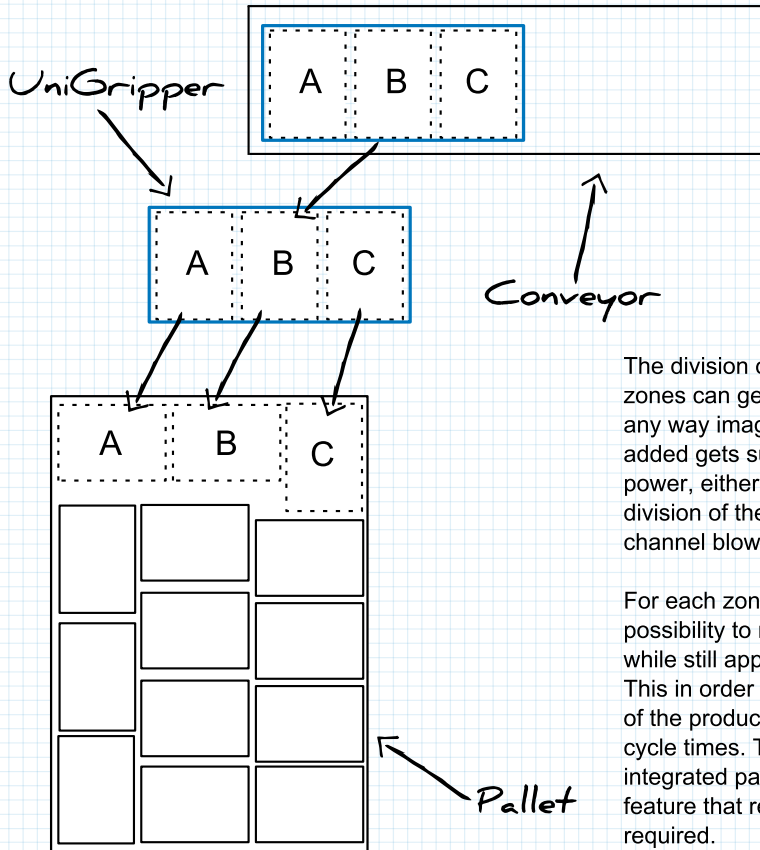# MultiZone

For efficient implementation of robot cycles, the end end-of-arm tool sometimes needs the ability to pick several objects at one position and release them at different positions. With the MultiZone option for UniGripper, the UniGripper can be designed to enable exactly this; several zones where each zone functions as a smaller UniGripper.

MultiZone Example

The division of the UniGripper into zones can geometrically be made in any way imaginable. Each zone that is added gets supplied with vacuum power, either by an ejector or by division of the air flow from a side channel blower.

For each zone we also enable the possibility to reverse blow in one zone while still applying vacuum in others. This in order to enable quick release of the product and thus enabling fast cycle times. The reverse function is an integrated part of the multizone feature that reduces number of valves required.

Our long experience in designing vacuum grippers has taught us how to make optimized zone divisions for each handling project. By analyzing the products that are to be handled and how they will be released, the number of zones can be optimized to provide the required versatility in the most cost efficient way.