

Simplification

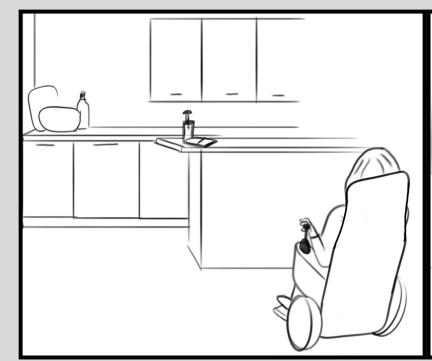
Working with our expert user, Carol, we discovered that the only motion she used on the original design was the up and down movement of the knife; the other points of movement actually made the product less stable and more difficult to set up and break down. By removing the unnecessary swivel points, we were able to simplify the form and experience.

Kitchen integration

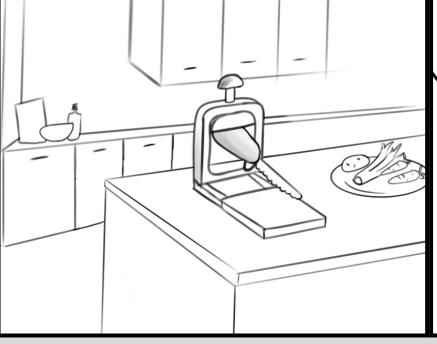
Clamps have no place in the kitchen, which is why we removed them from our new design. Like any kitchen tool or appliance, the Swivel Station can sit on a counter or table top when being used. It also folds up into a clean, rectangular shape for easy storage in cupboards or cabinets.

Easier user interaction

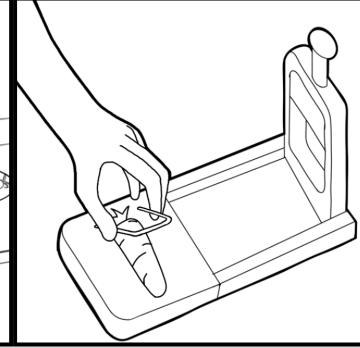
For many first time users, it was unclear how to use the original design. We decided to integrate the cutting board into the frame so the purpose is better understood, and we made the button more rounded to indicate that it is made for a human palm to press on.



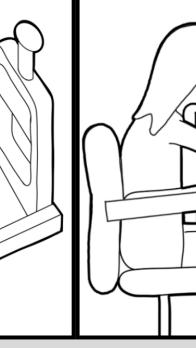
When it is time to prepare a meal, Carol uses her freedom chair to transport to the kitchen counter.



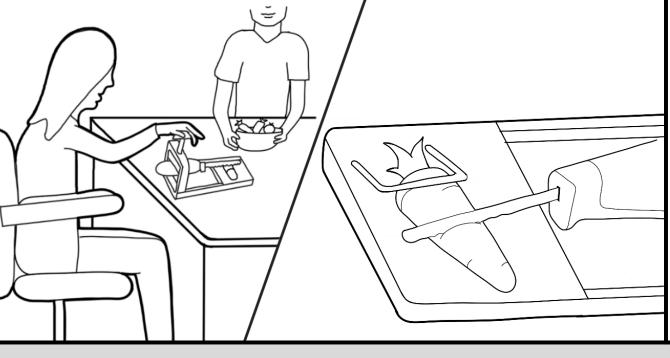
Tim sets up the Swivel Station on the counter for Carol.



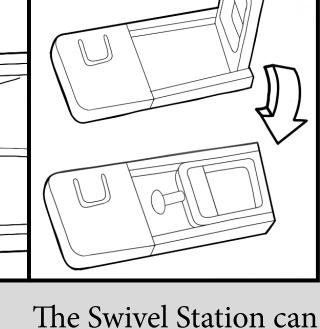
A hinge can be used to prevent round foods such as carrots from rolling or sliding away.



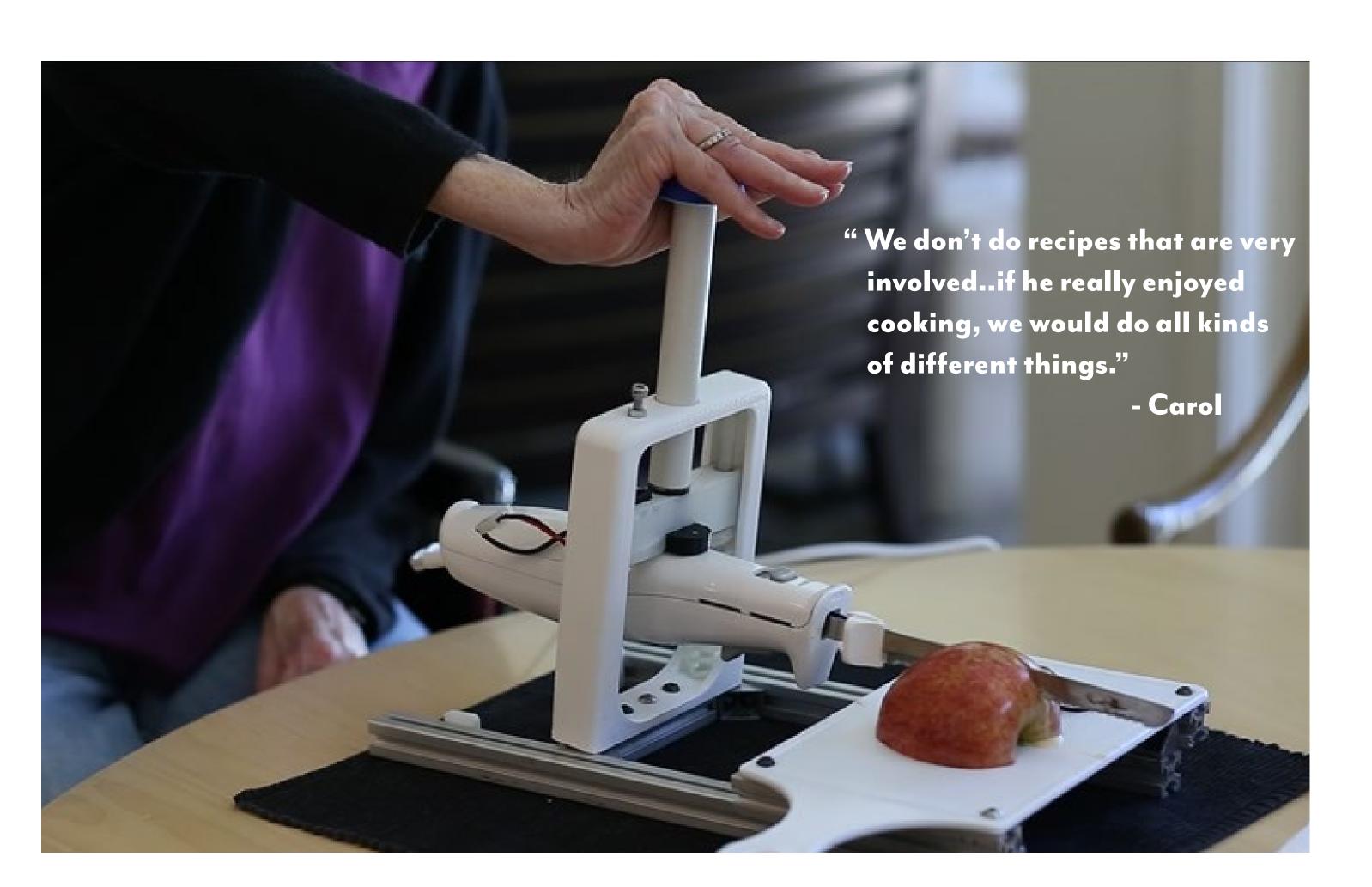
Carol uses her dominant hand to press down on the device .



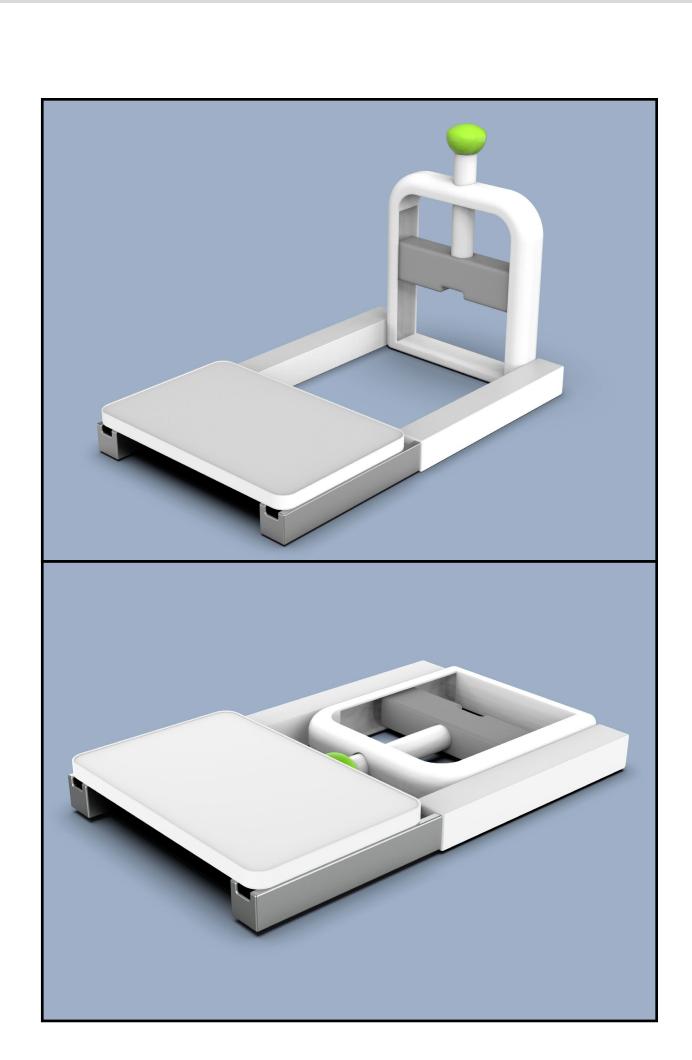
The electric knife only turns on when Carol pushes on the press. It is best for cutting fruits and vegetables.



The Swivel Station can be folded down for easy storage in Carol and Tim's kitchen.



Several years ago before her inclusion body myositis diagnosis, Carol was an avid cook and very adventurous eater. Now, her husband Tim does all the cooking, and he prefers to make simple foods like burgers and pasta. Our device lets Carol collaborate more with Tim in the kitchen; she gets to go back to doing what she loves most, and she can help make her favorite nutrient rich recipes. With Swivel Station, Carol can live a healthier life.



When it is in use, the Swivel Station is 14 inches long, 8.5 inches wide, and 10.5 inches tall.

The Swivel Station is designed for users who have physical disabilities but retain full cognitive function.