


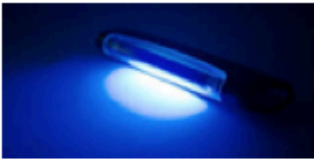



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Morph Chart Analysis
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Design 1: This design will use a magnet as a low cost solution for securing the parts within the cleaner. The User will be able to start the cleaner with through an app and also get notifications as the cycle runs. This will make things easy for the user as one of our customer requirements. In order to save time, the system will combine its washing and sterilizing functions through the use of antibacterial soap while pulsing. Finally the system will dry the parts by pulsing them.

Secure Parts	Magnetic	
Interpret User Interaction	Phone App	
Wash Parts	None (Combine w Sterilize)	X
Sterilize Parts	Antibacterial Soap	
Dry Parts	Vibration	
Notify User	Notification wih App	

Design 2: This design will clamp the lid securely down which may require some user interaction however will save money. To start the cycle, the user will push a button. The wash parts function will consist of a scrub system. This may be especially helpful if a mother has not had time to wash or rinse off their parts recently and the breast milk creates a residue that is difficult to remove without scrubbing. In this design, the sterilize and dry parts functions are combined using a UV light. Finally, the user can tell that their parts are ready when the display of the system turns from red to green.

Secure Parts	Clamp	
Interpret User Interaction	Button	
Wash Parts	Scrub System	
Sterilize Parts	UV	
Dry Parts	UV	
Notify User	Light Signal (Color Change)	