








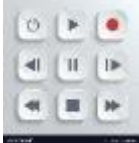




Max Sample P21325 – Morphological Analysis

1st CHART

Secure Parts: Clamp	
Interpret User Interaction: Twist time	
Wash Parts: Scrubbing w/ water and cleaning solution	
Sanitize Parts: Steam	
Dry Parts: Air dry w/ fan	
Notify User: Sound alarm	

Clamps are a good choice to secure parts because they are easily available and come in many sizes, won't let pieces move during cleaning process. Twist/knob control could allow user to select and control duration of wash/sani/dry cycles. Scrubbing system closely mimics current process but would be more effective and vigorous. Steam sanitization process is the most accessible, and commonly used. Easy to benchmark. Drying could be achieved cheaply by adding a small ventilation system and helping evaporation by blowing air over parts with fan. Sound alarm is straightforward and uncomplicated.

2nd CHART

Secure Parts: Centrifugal Force		
Interpret User Interaction: Button		
Wash Parts: Spinning w/ water and cleaning solution		
Sanitize Parts: Steam		
Dry Parts: Hot air		
Notify User: Sound alarm		

If cleaning process already uses spinning motion to clean parts, could also be used to hold parts during process. Button interface is uncomplicated and offers user multiple options, could allow for more specific selection. Spinning while washing with celanner mimics many other cleaning devices. Proven method. Steam sanitization process is the most accessible, and commonly used. Easy to benchmark. Hot air would be an even more effective drying method but would require installing a heating element. Sound alarm is straightforward and uncomplicated.