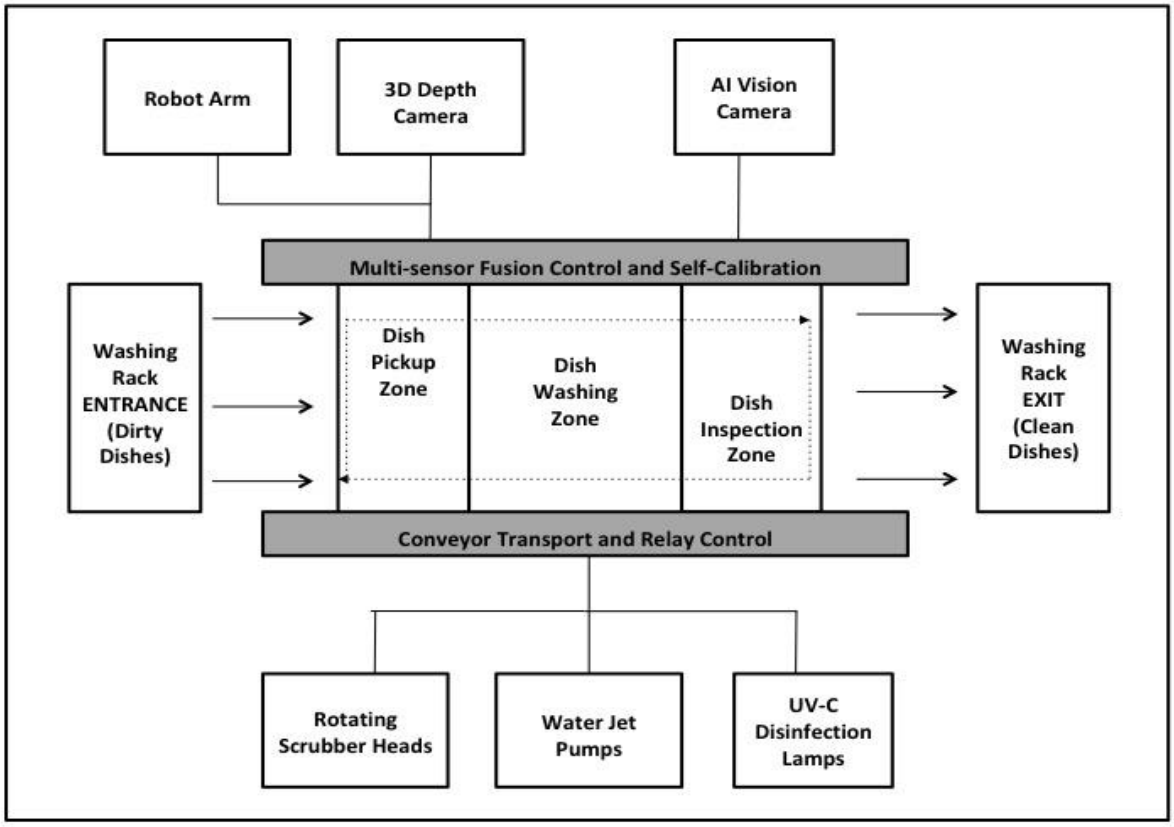

Robot Arm
3D Depth Camera
AI Vision Camera
Multi-sensor Fusion Control and Self-Calibration
Washing Rack ENTRANCE (Dirty Dishes)
Dish Pickup Zone
Dish Washing Zone
Dish Inspection Zone
Washing Rack EXIT (Clean Dishes)
Conveyor Transport and Relay Control
Rotating Scrubber Heads
Water Jet Pumps
UV-C Disinfection Lamps

FIG.1

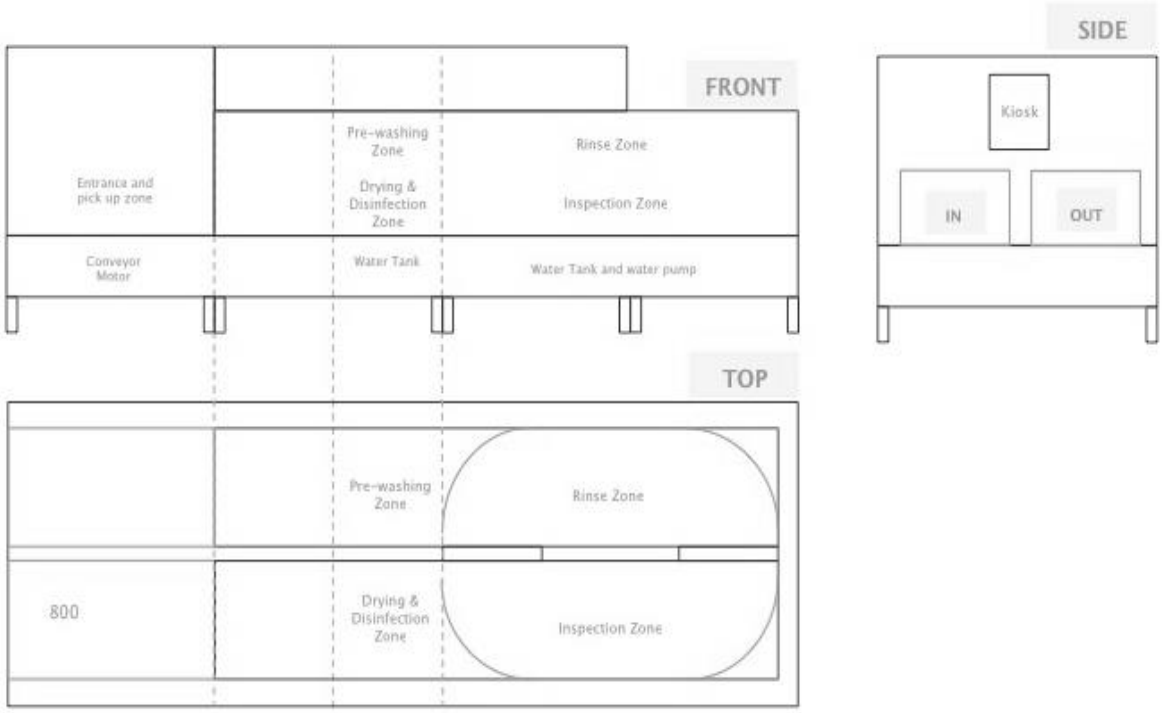

FRONT
Pre-washing Zone
Rinse Zone
Entrance and pick up zone
Drying & Disinfection Zone
Inspection Zone
Conveyor Motor
Water Tank
Water Tank and water pump
SIDE
Kiosk
IN
OUT
TOP
Pre-washing Zone
Rinse Zone
800
Drying & Disinfection Zone
Inspection Zone

FIG.2

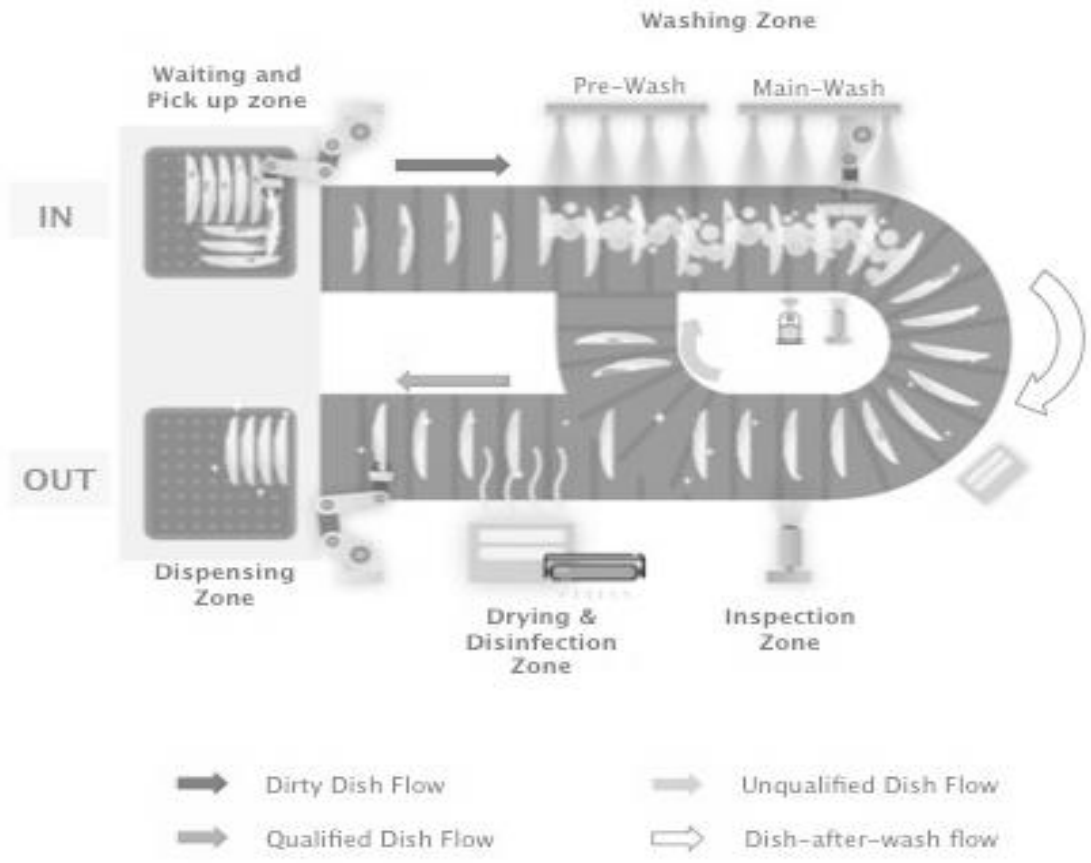

Washing Zone
Waiting and Pick up zone
Pre-Wash
Main-Wash
IN
OUT
Dispensing Zone
Drying & Disinfection Zone
Inspection Zone
Dirty Dish Flow
Unqualified Dish Flow
Qualified Dish Flow
Dish-after-wash flow

FIG.3