

Lotion Pump Assembly Machine

(4 up)

GRK-Y880-LP



- High Performance & Productivity
- Speed up to 7000 pcs/ hr
- CE Certified

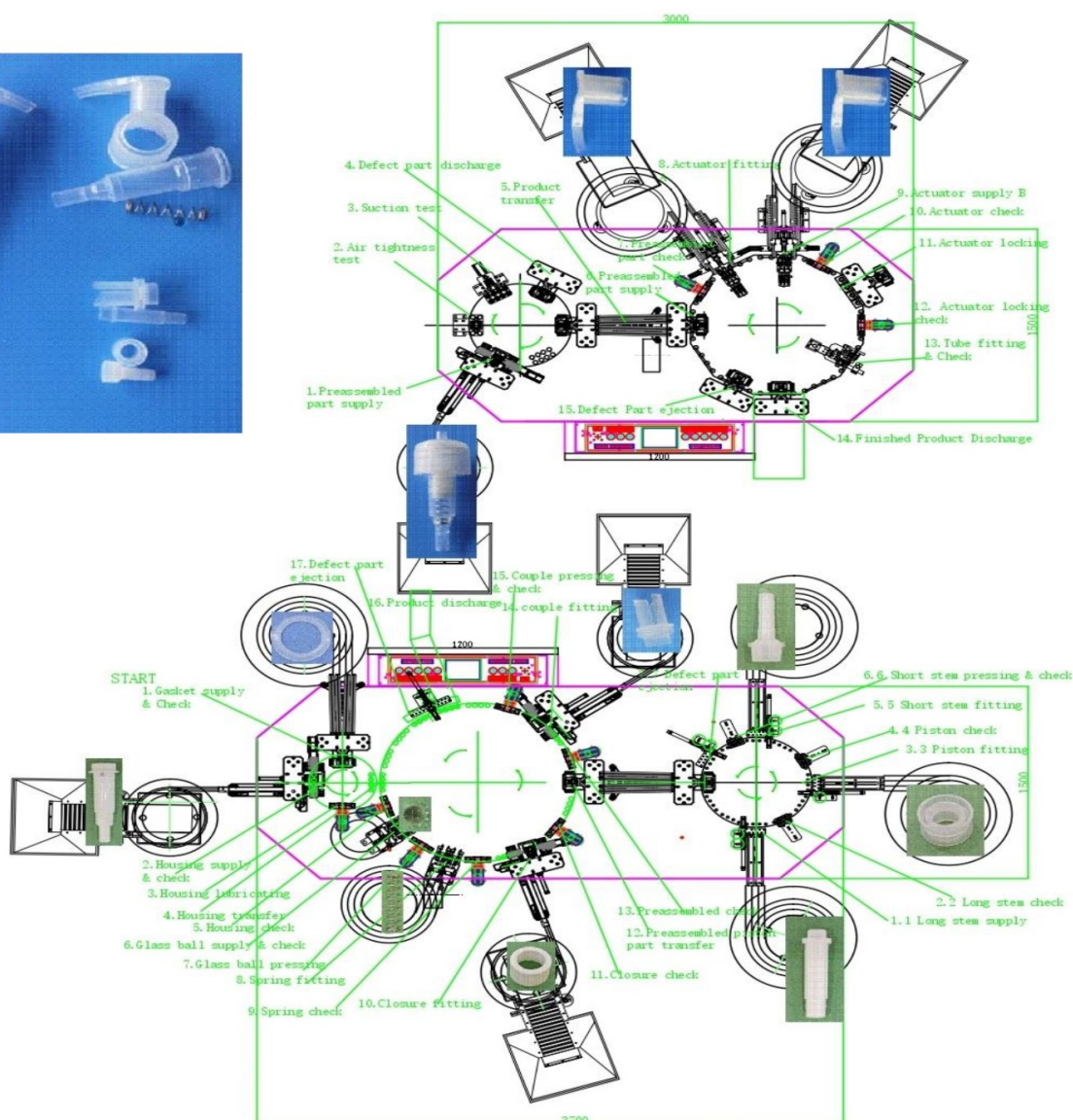
The lotion pump assembly machine can be used for different sizes of raw parts
with minor changeover and adjustment.

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Machine Layout



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Pump Engine Machine Layout

● Assembly Steps: (Left side rotary table)

1. Gasket supply & check from vibration bowl (4 up)
2. Housing supply & check
3. Housing lubricating
4. Housing transfer
5. Housing check
6. Glass ball supply & check
7. Glass ball pressing
8. Spring fitting
9. Spring check

10. Closure fitting
11. Closure check
12. Preassemble part transfer and fit into housing(2nd right side table)
13. Preassemble part check
14. Couple fitting
15. Couple pressing & check
16. Product transfer to 2nd machine
17. Defect part ejection

● Assembly Steps: (Right side rotary table)

1. Long stem supply from vibration bowl (4 up)
2. Long stem check
3. Piston fitting
4. Piston check

5. Short stem fitting
6. Short stem press fit & check
7. Defect part ejection

Complete Product Machine Layout

● Assembly Steps

1. Preassembled part transfer (Pump engine supply) (4 up)
2. Air tightness check
3. Suction check
4. Defect part ejection
5. Product transfer
6. Preassembled part supply
7. Preassembled part check
8. Actuator fitting A

9. Actuator fitting B
10. Actuator check
11. Actuator locking
12. Actuator locking check
13. Tube fitting & check
14. Finish product discharge
15. Defect part ejection

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Product Specifications

● Technical Specifications:

Voltage: 380V, 50Hz, 3 Phases
Power: 8.0KW (KVA)
Weight: 4600kgs
Air Pressure: 0.5–0.8MPa
Air Consumption: 2.0m³/min

● Vibration Bowl & Hopper Capacities:

Bigger Part: 2000–3000pcs
Smaller Part: 3000–4000pcs
*Part supply to vibration bowl through material loader

● Dimensions Specifications:

Size: L3.70m x W1.50m x H1.80m
L3.70m x W1.50m x H1.80m

● Noise Level:

< 75DB

● Machine Performance:

6600–7000pcs/hr

● Key Features

All plastic parts feed automatically with vibrator bowls through material loader
Part to be assembled with high precision mechanism
NC parts will be detected and rejected automatically
HMI touch screen and PLC control interface



Rotary table



Camera sensor



Press fit mechanism

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