



Plastic Bottle Unscrambling Machine ZG-12/16/18/21



This mini mineral water machine works harmoniously with air-conveyor belt, It holds the bottles by the neck, thus, reducing the possibility of bottles falling over during conveying process. This machine is used to fill still water into pet bottle and with screw caps capping function.

This machine integrated three function:

1. Rinse the empty pet bottle
2. Filling the rinsed bottles
3. Capping the filled bottles

Main features:

1. Main motor reducer adopts torque limited mechanism in order to prevent machine failure to damage the machine.
2. Adopt twice putting forward unscrambling mechanism, ensure every working station for dropping bottle has bottles ,improve bottle coming out efficiency.
3. Adopt hanging bottle opening transportation air passage to avoid bottle turnover during transportation.
4. Set up removal mechanism of damage bottle
5. Set up jamming bottle detector, automatic shutdown and alarm while jamming bottle
6. Set up no bottle detector, is used for lifter sending out working signal, lifter can supply bottle automatically
7. Transporting bottle air passage has photoelectric switch and is used for control start and stop of bottle unscrambler.
8. Bottle unscrambler has grease filling nozzle and can fill lubricating oil for gear ,bearing and cam.
9. Set up maintenance door and mold change door
10. Main electrical component (frequency inverter, PLC, photoelectric switch, relay) adopts MITSUBISHI, OMRON, SIEMENS, ETC.
11. Air circuit system adopt imported products

Technical Parameters:

Model	ZG-12	ZG-16	ZG-18	ZG-21
Work position	12	16	18	21
Production capacity(b/h)	6000-8000	8000-10000	12000-15000	18000-20000
Gas source pressure(Mpa)	0.7	0.7	0.7	0.7
Gas consuming volume(m ³ /min)	0.5	0.5	0.5	0.5
Suitable bottles type(mm)	350-1200ml	350-1200ml	350-1250ml	350-1250ml
	φ50-90	φ50-90	H=150-290	H=150-290
Main motor power(kw)	2.2	2.2	3.0	5.5
Fan power(kw)	2.2	2.2	2.2	2.2
Dimension(mm)	φ1800x2000	φ2100x2150	φ2650x2290	φ2800x2400
Weight(kg)	2500	3500	4200	5200