

Fully Automatic Water Filling Machine Bottles CGF series



The CGF series bottled water filling line is used to fill mineral water or purified water into PET bottles from 200ml-2500ml. Different models can satisfy various requirements of output from 5000BPH to 36000BPH. It is a kind of production line for producing potable drinking water (purified water, mineral water).

Our water filling production line is mainly consists of water treatment equipment, filling system, packaging system and conveyor system. The production process is like this: bottle blowing machine produce new bottles from bottle preform. New bottles go into rinsing, filling, capping mono-bloc through air conveyor. The water treatment system supply purified water for bottle washing and filling. After capping in the mono-bloc, bottled water go into packaging system for production date, labeling and final package through belt conveyor. The whole process is automatically controlled by PLC. The operator could adjust the capacity per hour by touch screen on the control box easily.

Characters of equipment:

1. Direct connection technology is adopted between air conveyor and bottle-feeding star wheel, and there is no bottle feeding screw and conveying chain. It is quite easy to change the bottle shape.
2. Bottle neck-hold technology is adopted for bottle conveying while changing the bottle shape, users only need to replace the arc guide plate, star wheel and other nylon parts that are relevant to the bottle diameter.
3. The 3 in 1 unit machine incorporates rinsing, filling, and capping into one, thus making bottle wear rate lower, conveying accurate and stable, changing bottle shape more convenient.
4. The specially designed bottle gripper of rinser is made of fully stainless steel, so it is durable and firm. Besides, it doesn't contact with the screw parts of bottle neck, thus avoiding the secondary contamination.
5. The machine is designed with high-speed mass flow gravity filling valve to ensure the high filling speed and precise liquid level without any loss

Machine parameter:

Model	CGF14-12-5	CGF16-16-5	CGF24-24-6	CGF32-32-8	CGF40-40-10	CGF50-50-12
Capacity(@500ml)	5000BPH	8000BPH	12000BPH	15000BPH	18000BPH	20000BPH
Washing heads	14	16	24	32	40	50
Filling heads	12	16	24	32	40	50
Capping heads	5	5	6	8	10	12
Weight(kg)	2000	4000	4500	6000	7800	9000
Main motor power	1.5kw	3kw	3kw	3kw	5.5kw	7.5kw