

AUTO 4 NOZZLES SERVO DRIVEN PISTON PUMP FILLING MACHINE, MTC-FI4600XPROS1

General specifications



PHYSICAL SPECIFICATIONS	
Filling heads	4-16 heads (designed according to customer speed)
Filling volume	50ml-10000ml (the difference in filling capacity of a single machine is 1 times, depending on customer requirements)
Filling speed:	4-6 bottles / min. Nozzle (according to 500ml/bottle, filling speed will be different according to different material & filling volume). The filling speed can be adjusted, and prevent overflow when filling into bottles.
Filling accuracy:	$\leq \pm 1\%$;
Filling way	Servo-driven piston multi-nozzles filling (one cylinder drives one piston)



Equipment performance description and characteristics

- Piston-type filling machine, self-priming filling, the material is driven by servo motor to be pulled into the measuring cylinder, and then infused into the container(cans or bottles) through the feeding tube by the piston pulled by servo driven. The filling volume is determined by adjusting the servo parameter, and the filling accuracy is high, easy to use and flexible ;
- Equipped with no bottle and no filling function, the liquid level automatically controls the feeding, effectively reducing equipment failure ;
- Program control adopts PLC + touch screen manual operation interface to realize intelligent control ;
- Acrylic cover door is made of imported acrylic, thickness in 10mm,high-class and elegant ;
- Machine materials which are directly in contact with liquids (hopper & filling nozzles):made of 304 # stainless steel and food-grade PVC. The filling nozzle is made of stainless steel 304, which is corrosion resistant and meets GMP production requirements.The material of the feeding hose is PVC, the temperature range is -10 °C ~ + 90 °C;
- The filling mouth is equipped with anti-drip device to ensure that there is no drawing or dripping during filling;
- Standard machine is not including stirring function,can be customized according to customer's requirement.
- The piston seal ring adopts type O ring (can be filled at 80 °C), the service life of the seal ring is about half a year,need to replace the seal ring after half a year ;



- The highest filling temperature is within 70 °C ;
- The machine includes an automatic piston feeding pump
- The storage tank contains the alarm function, when the material reaches the lowest level, the feeding pump will start feeding, and when the material reaches the highest level, the feeding pump will be closed. reduce equipment failure effectively.
Storage tank volume: 100-150L.
- Strong equipment compatibility, can quickly adjust and replace bottles of different shapes and specifications without replacing parts, can meet the production requirements of many varieties and specifications ;
- Full true color man-machine interface, adopts Chinese and English menu, man-machine interface has parameter setting, manual operation, fault warning and other functions, intuitive and simple. It greatly facilitates the adjustment of parameters and the testing of various functions ;
- Configure the conveyor belt with a length of 2.9 meters, conveyor height: 0.9 meters, POM chain pieces width: 114mm
- Machine size: 2900× 1500× 2470mm(LxWxH), Wooden box packing size: 165× 165× 234cm ; (with 4 nozzles as a reference, will be customized according to different bottles and filling speed);
- Net weight: about 600KG, Gross weight: about 650KG;
- Power supply: Single phase 220V 50/60Hz, Power: servo motor: 1.1KW, conveyor motor: 0.2KW, Total Power : 1.3KW ;
- Material of conveyor belt: Nylon POM, which has good wear resistance.
- Suitable for the filling of various liquids, pastes, sauces (high viscosity), such as honey, pepper sauce, tomato sauce, pearl milk tea, orange juice, etc., with strong versatility;
- This machine needs to be connected with an air compressor, minimum air source pressure is 0.6Mpa.

AUTO DOUBLE HEADS LINEAR TYPE SCREW CAPPING MACHINE, MTC-FI4600XPRO S2




Equipment performance description and characteristics

- Cap diameter $\phi 30 \sim \phi 130$ mm, cap thickness 8~60mm, bottle diameter 40-200mm, bottle height 80-250mm;
- Suitable for hard round cover with obvious center of gravity distribution, hopper capacity 225L;



- Adjustable production efficiency, up to 20-25 cans per minute;
- The overall appearance material is mainly made of 304 stainless steel with a thickness of 1.2mm;
- Plexiglass material is imported acrylic, thickness 8-10mm, high-end atmosphere;
- The screw cap chuck is inlaid with silica gel, which can effectively avoid grinding the cap and has wide applicability.
- There is a missing cover alarm capping function, to ensure the efficient and uninterrupted work of the equipment;
- Adjustable shutdown time of missing cover ensures efficient and uninterrupted operation of equipment and effectively reduces equipment failure;
- It takes about 30 minutes to replace the mold for caliber replacement;
- The same caliber, change the bottle cap height, only need to adjust the height of the hand screw;
- The defect rate is very low, plastic bottles less than five per thousand, glass cans less than five per thousand, tin cans less than five per thousand;
- The conveyor belt is 3.7m long, 0.9m high and 152mm wide;
- The total size of the equipment is 3.7m * 0.92m * 1.88m (including conveyor belt) for the capping machine, 1.45m * 0.75m * 2.45m for the capping hoist; After packing, the size of capping machine is 1.95m * 1.20m * 1.94m;
- Net weight is about 500KG, gross weight is about 650KG;
- Conveyor belt motor 0.2KW/220V(2, 0.2x2 =0.4KW), cap servo motor power 0.75KW/220V (2, 0.75x2 =1.5KW), cap elevator power 0.2KW/220V, cap motor 0.24KW/220V, total power: 2.2KW
- The conveyor belt is made of nylon POM and the chuck is made of PP plate.
- The machine needs to be equipped with another air compressor, the minimum air pressure is 0.6mpa, consumption of 0.5m³ per minute;

AUTOMATIC ELECTROMAGNETIC INDUCTION ALUMINUM FOIL SEALING MACHINE, MTC-FI4600XPROS3

 <p>CEFC</p> <p>FDA</p>	<ul style="list-style-type: none"> - Main machine appearance main materials are SUS304 stainless steel; - Seal diameter:50-121mm(big bore size can optionally configure big seal head and need non-standard customer made); - The production efficiency about 30-300 bottles/minute(related to the diameter); - Rated voltage AC 220V 50/60Hz, power 4000W; - Cooling method: air cooling; - The machine profile size is 950*310*420mm, independent hoist appearance size is 1440*460*310mm, the size after packed is 1460*600*670mm; - Net weight about 55KG, gross weight about 75KG; - Aluminum foil requirement: the aluminum foil materials corresponding to the can materials(Example: PET material can use the PET film, PE material can use PE film), aluminum foil thickness: 0.1-0.4mm - Working principle and method: the aluminum foil need pre-place in the cover, the cover tightly press the aluminum foil on the bottle after revolve cover, the electromagnetic heating the aluminum foil when the can pass through the equipment then make the aluminum foil stick on the bottle mouth; - Automatic protection when over current and over voltage, safety and reliable; - Fission type configure independent hoist frame, air cooling, the performance close to the effect of water cooling type machine; - The standard machine not contain conveyor, need additionally select and purchase.
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