



Pharmaceutical Automatic Liquid Plastic Ampoule Filling and Sealing Machine TRFM



Pharmaceutical automatic liquid plastic ampoule filling and sealing machine manufacturers is the one that Maximizing output and simplify changeovers. We TOPCN has been developing the machinery in dosing small bottles like filling Perfume, essential oil, E-liquid and other daily use fluid materials.

Description

► turntable filling plugging capping line is king when picking a specific filling machine, a good place to start is to know the exact characteristics of the liquid product. Is it a free-flowing liquid? This might work better with a timed-flow fill machine where the same volume of product is delivered each cycle.

What if the product is more viscous? For that, a positive displacement liquid filler might be the way to go.

► Product and container versatility Because of the wide variety of products being packaged at plants, more processors are looking for fillers that can handle multiple concepts. Equipment providers understand this, but might not be able to deliver a panacea yet.

Customers are demanding that new filling equipment is more versatile and can handle a full range of varying products additionally; the fill nozzles are designed for specific applications and can be easily exchanged.

► Accuracy and efficiency Having properly filled containers is one of the key elements to ensure product quality and control giveaway. Under-filled bottles, at best, can result in consumer complaints and, at worst, can land a company in court. However, overfilling can be costly and

wasteful. This means filler must be accurate and consistently maintain that accuracy over the years.

► Minimizing changeover time through hygienic design With many processors increasing the variety of products to fill, minimizing cleaning and changeover time continues to be a major focus. Fillers with automatic clean-in-place (CIP) capabilities have long been identified as a way to speed up the cleaning process. However, Sundberg says this is only possible if the filler bowl and valves have a self-draining design, which traditional piston fillers did not have, but the TOPCN Uni filler does.

► Operator interaction Even though filling machines are trending toward more automation, equipment must be easy for operators to use. More attention is being paid to designing intuitive human machine interface (HMI) with panels that are easier to use and read.

Taking into consideration the 5points to design one machine our model TRFM automatic liquid plastic ampoule filling and sealing machine is especially suitable to fill the essential oil.

Products Parameters

Specifications	Model:TRFM	
Speed	20-30 Bottles per Minute	30-60 Bottles per Minute
Changeover Time	15 - 30 Minutes Typical	15 - 30 Minutes Typical
Drive Options	Servo or Mechanical	Servo or Mechanical
System Controls	Touch Screen	Touch Screen
Product Types	Liquids	Liquids
Bottle Range	Round or Oval Shape or square	
Filling Range	1-10ml,5ml-30ml,10ml-60ml,	1-10ml,5ml-30ml,10ml-60ml,
	60-120ml,100-250ml,250-500ml	60-120ml,100-250ml,250-500ml
Dosing Pump	Stainless Steel Pump (piston) +Step (Servo) Motor Drive	
	Peristaltic pump+ Step (Servo) Motor Drive	
	Ceramic pump+ Step (Servo) Motor Drive	
Dimensions	L2400mm L x W1500 mm x H1750mm	
Net Weight	600kg to 750kg	
Options	Integrated Nitrogen Purge System	
	Explosion-Proof Motor	
	tandalone Electrical Cabinet	
	Positive Shut Off Nozzles	
	Caps On Inspection	