Softgel Encapsulation Machine

URMACHINE

About Urmachine

Urmachine focuses on packaging equipment and total solutions for more than 20 years; has more than10 professional factories in the field of packaging machinery; helps more than 480 customers worldwide to solve product packaging problems.

Urmachine takes advantage of China's manufacturing and combines European technology to provide high-end equipment, including bottle packing machines, pouch packing machines,blister packing machines, cartoning machines, case packers, palletizers, etc.

Whether setting up a new packaging line, retrofitting an existing one, or starting a business with a limitedbudget, our professional technical team will provide the most suitable solution for your specific needs.

RGY2-15

Softgel Encapsulation Machine

Function	Parameter
Mold rotation speed	1-3.5rpm
Mold size	Φ150×50
Quantity accuracy	1.5mL(±1.5%)
Number of plungers	Single Side 2 plunger
Capsule production	6120 grains per hour @1.5 RPM (8 # OV) 2970 grains per hour @1.5 RPM (20 # OB)
Spindle support	Bearing way
Lubrication method for rubber wheels	Micro lubrication pump
Lubrication method for feed pump	External circulation of diaphragm pump
Rubber wheel material	Chrome plated stainless steel
Equipment external dimensions	1400×800×1750mm
Power	2kW
Weight	600Kg
Rubber wheel cooling method	External water chiller

Overview

The RGY2-15 rolling mode soft capsule machine is a brand new experimental production equipment for rolling mode soft capsules. The equipment integrates multiple domestic and international original technologies, and has the advantages of high equipment integration, high measurement accuracy, reliable operation, and convenient operation. It is suitable for laboratory development and research of new soft capsule varieties.

RGY10-15II

Softgel Encapsulation Machine

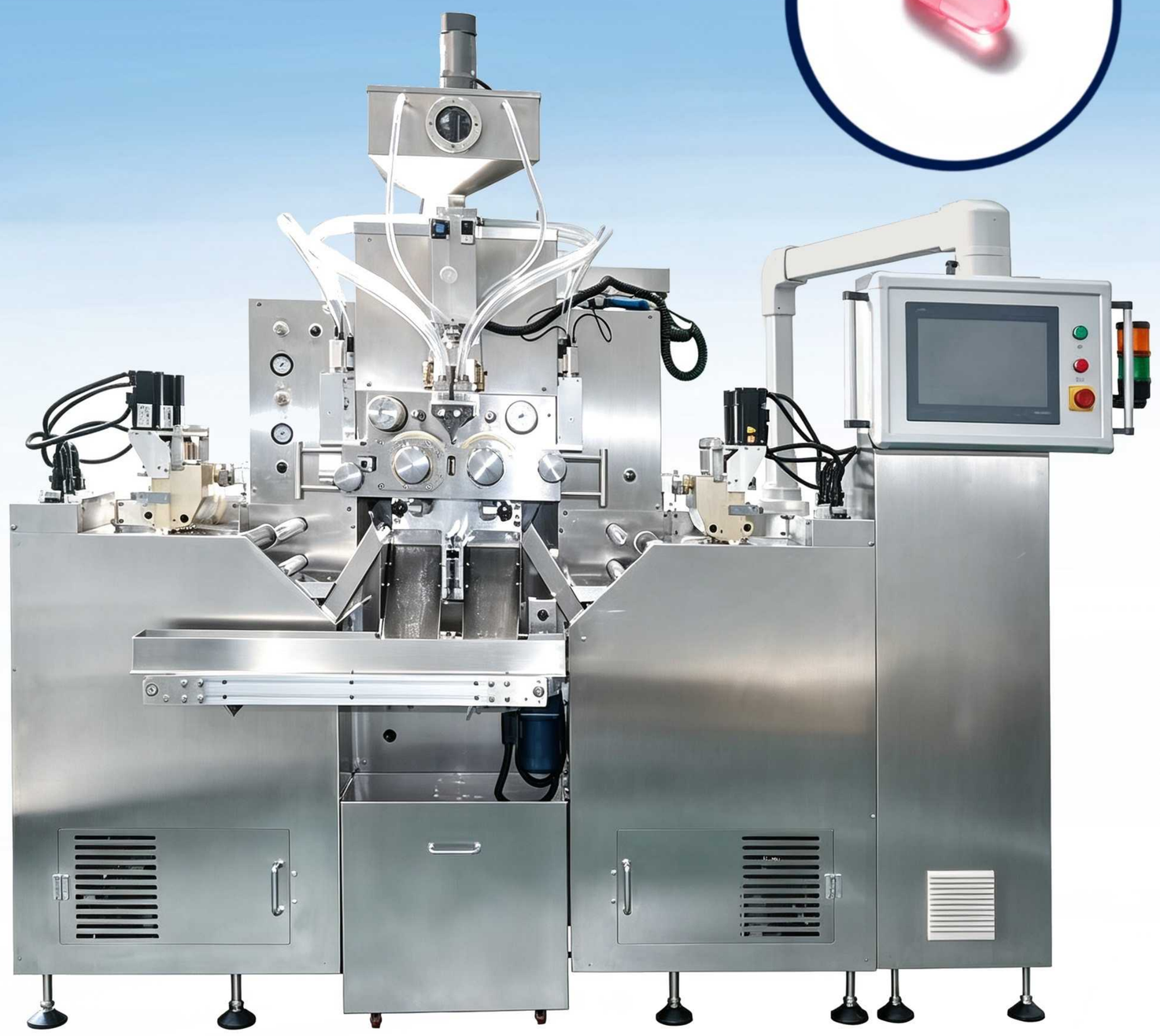
Overview

RGY10-15II rolling mode soft capsule machine is a soft capsuleproduction equipment, large output, stable performance, widely used in pharmaceutical and health products production. The equipment adopts the structure of the main shaft base of the diehead with the patented technology, and the average failure-freetime is greatly prolonged.

Function	Parameter	Function	Parameter
Mold rotation speed	1-5rpm	Rubber wheel cooling method	External water chiller
Mold size	Φ150×250	Lubrication method for rubber wheels	Independent 4 sets of micro-lubrication pump
Quantity accuracy	1.5mL(±1.5%)	Lubrication method for feed pump	Independent magnetic pump external circulation
Number of plungers	Single side 10 plunger	Rubber wheel material	Chrome plated stainless steel
Capsule production	120960 tablets per hour @4 RPM (8 # OV)	Equipment external dimensions	2250×1250×2120mm
	55,440 grains per hour @4 RPM (20 # OB)	Power	2kW
Spindle support	Bearing way	Weight	1900kg

RGY10-15SF

Softgel Encapsulation Machine



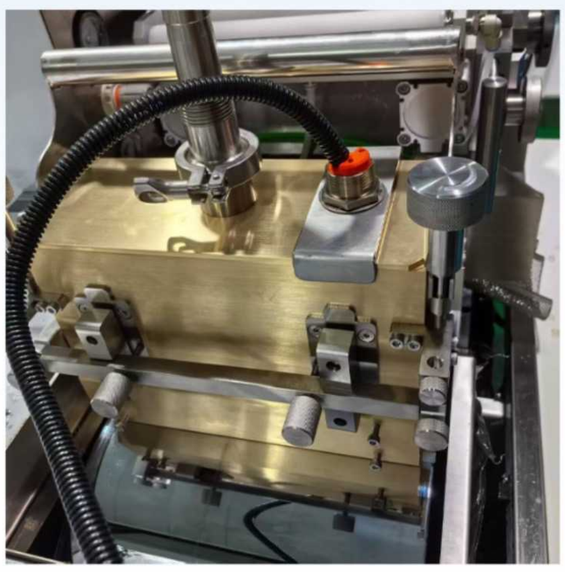
Overview

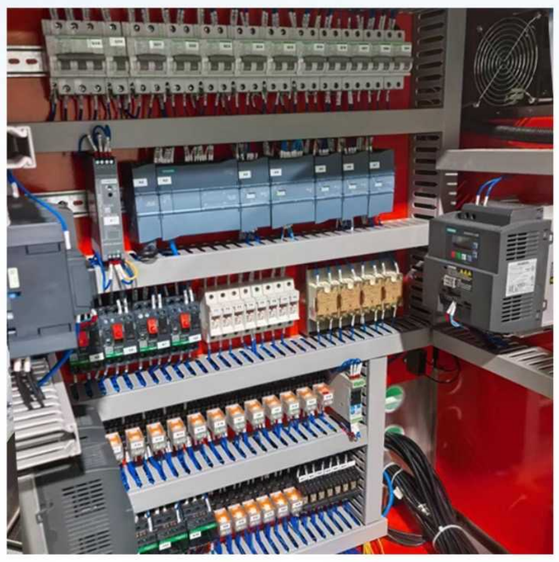
RGY10-15SF servo control soft capsule machine, through the advanced servo control system, can realize the mold automatic alignment, automatic calibration njection time digital load adjustment,rubber thickness automatic detection and adjustment functions, The utility model can also realize the function of the impact-free feed pump.

Function	Parameter	Function	Parameter
Mold rotation speed	1-7rpm	Rubber wheel cooling method	External chiller
Mold size	Φ150×250 6"×10"	Main control PLC	SIEMENS(1510T) or Schneider
Quantity accuracy	1.5mL(±1.5%)	Rubber roller system	4 independent sets of micro lubrication pumps
Number of plungers	Single side 10 plunger	Rubber lubrication method	4 independent sets of micro lubrication pumps
Capsule production	120960 capsules/hour @ 4rpm (8 # OV)	Equipment external dimensions	2300×1550×2450mm
	55440 pills/hour @ 4rpm (20 # OB)	Power	15kW
Number of servo motors	2 molds, 2 feed pumps, 4 gelatin boxes	Weight	1900kg

RGY16-15V

Softgel Encapsulation Machine





Function	Parameter
Mold rotation speed	1-10rpm
Mold size	Φ150×250
Quantity accuracy	1.5mL(+1.5%)
Number of plungers	Single side 16 plunger
Capsule production	241920 capsules/hour @ 8rpm (8 # OV)
	110880 pills/hour @ 8rpm (20 # OB)
Spindle support	Bearing method
Rubber wheel cooling method	External chiller
Rubber lubrication method	4 independent sets of micro lubrication pumps
Lubrication method for feed pump	Independent magnetic pump external circulation
Rubber wheel material	Stainless steel chrome plating
Rubber roller system	Independent drive, digital adjustment
Equipment size	2250×1250×2150mm
Power	12kW

Overview

RGY16-15V rolling mode soft capsule machine is a new type ofhigh-capacity soft capsule production equipment. The equipmentuses patented spray body and feed system, so that the capacity of the equipment can be greatly increased, the output can be twice the size of the equipment, stable performance, and can realize the upgrading of old equipment.

RGY16-15SF

Softgel Encapsulation Machine

Overview

RGY16-15SF is a high-speed servo controlled soft capsule machine launched by Tienmin Company in 2019. With an advanced servo control system, it can achieve functions such as automatic alignment ofmolds automatic calibration of injectiontime digital loading adjustment, and automatic detection and adjustment of rubber thickness.

Function	Parameter	Function	Parameter
Mold rotation speed	1-10rpm	Number of servo motors	2 molds, 2 feed pumps, 4 gelatin boxes
Mold size	Φ150×250 6"×10"	Main control PLC	SIEMENS(1510T) or Schneider
Quantity accuracy	1.5mL(±1.5%)	Rubber roller system	Independent drive, variable frequency digital regulation
Number of plungers	Single side 16 plunger	Reducer	Harmonic reducer
Capsule production	241920 capsules/hour @ 8rpm (8 # OV)	Equipment size	2300×1550×2450mm
	110880 pills/hour @ 8rpm (20 # OB)	Power	15kW

HTMBRG1316DD

Softgel Encapsulation Machine

Function	Parameter	Function	Parameter
Mold rotation speed	1-7rpm	Capsule production	232000 capsules/hour @ 6rpm (8 # OV)
Mold size	ϕ150x320 6"×13"	Main control PLC	SIEMENS
Quantity accuracy	1.5mL(≤±1%)	Rubber roller system	Independent drive, variable frequency digital regulation
Number of plungers	Single side 16 plunger	Mold synchronization method	High end customized servo motor
Number of servo motors	2 molds, 2 feed pumps	Equipment size	2400x1250x2200mm
	4 gelatin boxes and 2 rubber wheels	Power	18kW

Overview

The sixth generation soft capsule machine is the latest soft capsulemachine equipment launched in 2023, which not only representsthe position of the largest production capacity equipment incontemporary times, but also comprehensively optimizes and upgrades the servo machine. This device not only has all the functions of a servo machine, but also adopts a new appearance design.