PHARMA EQUIPMENT







ROBOTAB

ROBOLAB

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İlaç Makinaları San.Tic. Ltd. Şti.

ROBOTAB



RBT - 26

TABLET PRESS

YÖNDEM

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ROBOTAB

FEEDING UNIT

Thanks to Robotab's unique feeding system, the product loss during production is reduced to minimum. This specifically designed unit prevents any damages caused by exterior factors such as dust, dirt etc. and enables your machine to function in the best possible and effective way.

Easy removal of the unit makes the cleaning process a lot easier after production without the assistance of any other tools.



PRE-COMPRESSION / MAIN-COMPRESSION DISCS

Both Pre-compression and Main-Compression discs are identical and made of same material. In order to obtain more precise results, all discs are controlled via electric motors. The discs are designed and installed in a way so as to minimize the clearance in the body of the machine to prevent the trembling whilst the machine is running.

YÖNDEM

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ROBOTAB



- All Robotab models manufactured comply with cGMP standards
- Vibration-proof body cast & directly connected main reductor
- Exterior control panel equipped with 12” Siemens color touch screen (15” optional)
- 100 kN Pre-Compression force (Touch screen operated)
- 100 kN Main-Compression force (Touch screen operated)
- Pre & Main Compression Discs (Touch screen operated)
- Dosage adjustment feature for flawless product filling (Touch screen operated)
- Beautifully designed feeding unit keeps impellers dust-free. (Touch screen operated)
- 3 seperate lanes for Main product, Faulty Product and Sample Product
- Auto-Reject feature for any product that fails to comply with preset parameter.
- Load Cell assisted Pre-Compression reading
- Load Cell assisted Main-Compression reading
- Load Cell assisted lower punch jamming detection
- Sensor-fitted double layer, robust upper hatches made of Polycarbonat
- Dust absorbing mechanism made of SUS 304 material
- Auto-Lubrication mechanism and oil distribution feature
- Lower and Upper turret protecting hatches, made of SUS material

YÖNDEM

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ROBOTAB

No. of Stations	17 Special	26 D	36/B	42/BB
Type of Tooling	Special	D	B	BB
Turret Speed– RPM	5 – 20	15 – 70	15–70	15–70
Feeder Speed - RPM	5 – 50	5–100	5 –100	5–100
Production Capacity pcs/hr	5.100 – 20.400	23.400-109.200	32.400-151.200	37.200 –176.400
Depth of Fill	50	18	18	18
Max.Pre-Compression kN	120	100	100	100
Max.Main Compression kN	120	100	100	100
Max.Tablet Dia. mm	40	25	16	13
Tablet Thickness	30	8.5	8.5	8.5
Power kW	230 – 400 / 50 Hz / 11 Kw			
Dimensions mm	1090 x 1190 x 2140			
Weight	3000			

YÖNDEM

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ROBOTAB



RBT - 24

TABLET PRESS

YÖNDEM

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ROBOTAB



- All Robotab models manufactured comply with cGMP standards
- Vibration-proof body cast & directly connected main reductor
- Exterior control panel equipped with 7” Siemens color touch screen
- 10 kN Pre-Compression force (Touch screen operated)
- 100 kN Main-Compression force (Touch screen operated)
- Pre & Main Compression Discs (Touch screen operated)
- Dosage adjustment feature for flawless product filling (Touch screen operated)

YÖNDEM

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ROBOTAB



• Beautifully designed feeding unit keeps impellers dust-free. (Touch screen operated)

• Dust absorbing mechanism made of SUS 304 material

• Auto-Lubrication mechanism and oil distribution feature

• Lower and Upper turret protecting hatches, made of SUS material

• First designed tablet press in Turkey with goverment awards.

YÖNDEM

farmatürk
İlaç Makinaları San.Tic. Ltd. Şti.

ROBOTAB

No. of Stations	**24 D**	**30/B**	**36/BB**
Type of Tooling	**D**	**B**	**BB**
Turret Speed RPM	**15 - 60**	**15 - 60**	**15 - 60**
Feeder Speed RPM	**5 - 100**	**5 - 100**	**5 - 100**
Production Capacity pcs/hr	**21.600 - 86.400**	**27.000 - 108.000**	**32.400 - 129.600**
Depth of Fill	**18**	**18**	**18**
Max.Pre Compression kN	**10**	**10**	**10**
Max.Main Compression kN	**100**	**100**	**100**
Max.Tablet Dia. mm	**25**	**16**	**13**
Power kW	**230 – 400 / 50 Hz / 7.5 Kw**		
Dimensions mm	**1090 x 1190 x 2140**		
Weight	**1600**		

YÖNDEM

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ROBOTAB



RBT - 8

TABLET PRESS

YÖNDEM

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İlaç Makinaları San.Tic. Ltd. Şti.

ROBOTAB





RBT 10 TABLET PRESS

- cGMP standartlarına uygun
- Kolayca sökülüp takılabilen besleme ünitesi, huni ve zımbalar sayesinde kusursuz temizlik ve parça değiştirme olanağı
- Pervaneli toz besleme sistemi sayesinde sorunsuz ürün dağıtımı
- Manuel yağlama
- Polikarbonat malzemeden kırılmaya dayanıklı sensörlü üst emniyet kapakları
- SUS 304 malzemeden sensörlü alt emniyet kapakları
- 10 kN Ön baskı kuvveti (Dokunmatik ekrandan kumandalı)
- 80 kN Ana baskı kuvveti (Dokunmatik ekrandan kumandalı)
- Hatasız dolum için dozaj ayarlayıcı. (Dokunmatik ekrandan kumandalı)
- 7 inch Siemens renkli dokunmatik ekran

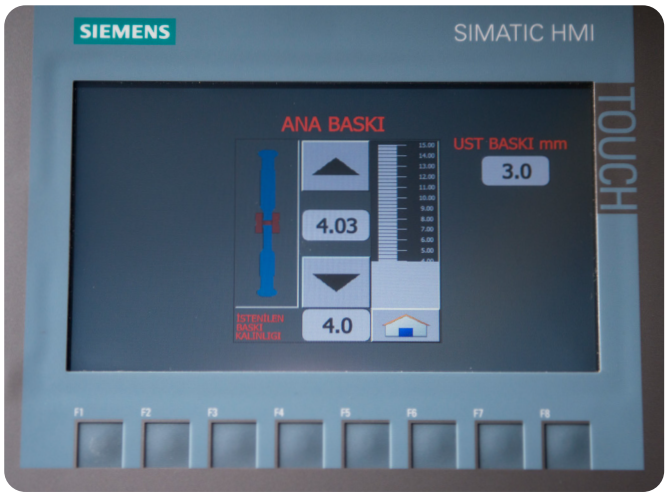
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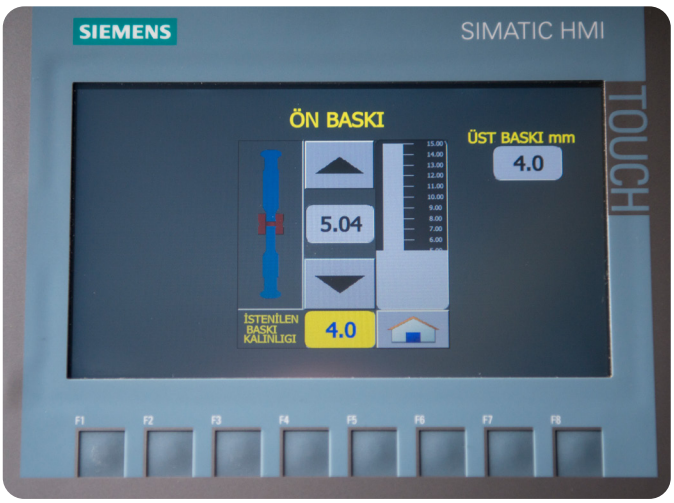
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ROBOTAB



RBT 8 Tablet Press Screen Shoots





YÖNDEM

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ROBOTAB

No.of Stations	4D / 4B	8	10
Type of Tooling	D /B	D	B
Turret Speed - RPM	15 – 45	15 – 45	15 – 45
Feeder Speed -RPM	15 – 60	15 – 60	15 – 60
Production Capacity	3.600 – 10.800	7.200 –21.600	9.000 – 27.000
Depth of Fill	3 – 8	3 – 8	3 – 8
Max.Pre-Compression kN	10	10	10
Max.Main Compression kN	80	80	80
Max.Tablet Dia. Mm	22 / 16	22	16
Tablet Thickness mm	2 – 8	2 – 8	2 – 8
Power Kw	230 – 400 / 50 Hz 2.2		
Dimensions mm	650 x 860 x 1800		
Weight Kg	1000		

YÖNDEM

farmatürk
İlaç Makinaları San.Tic. Ltd. Şti.

ROBOTAB



RBT - 55

SALT TABLET PRESS

YÖNDEM

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İlaç Makinaları San.Tic. Ltd. Şti.

ROBOTAB



- Complies with cGMP standards
- Vibration-proof body cast & directly connected main reductor
- 120 kN Main compression force (Manually operated)
- Main compression discs (Manually operated)
- Dosage adjustment feature for flawless product filling (Manually operated)
- Beautifully designed feeding unit keeps impellers dust-free. (Touch screen operated)
- Sensor-fitted double layer, robust upper hatches made of Polycar-bonat
- Sensor – fitted SUS 304 material lower hatches
- Auto-Lubrication mechanism and oil distribution feature
- Dust absorbing mechanism made of SUS 304 material
- Lower and Upper turret protecting hatches, made of SUS material

YÖNDEM

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ROBOTAB







YÖNDEM

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ROBOTAB

No.of Stations	55 Special (Double)
Tooling Type	Special
Turret Speed- RPM	5 - 25
Feeder Speed-RPM	10 - 100
Production Capacity pcs/hr	33.000 - 165.000
Depth of Fill mm	26
Max.Pre-Compression kN	25
Max.Main Compression kN	120
Max. Tablet Weight gr	14
Power kW	380 V / 3 Faz /15 Kw
Dimensions	1300 x 1300 x 1900
Weight kg	4500

YÖNDEM

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FLUID - BED DRYER

YÖNDEM

farmatürk
İlaç Makinaları San.Tic. Ltd. Şti.

FLUID-BED GRANULATOR, ONE OF THE COMMONLY USED EQUIPMENTS IN SOLID PREPARATION PRODUCTION, IS WIDELY USED IN PHARMACEUTICAL, CHEMICAL AND FOODSTUFF INDUSTRIES.
THIS EQUIPMENT HAS FUNCTIONS OF MIXING, GRANULATING AND DRYING.

1. FOLLOW THE REGULATIONS OF C GMP, PIC/S GMP,

2. FDA PID PRECISION CONTROL

3. DOUBLE SHAKING FILTER BAGS

4. HIGH PROCESSING EFFICIENCY

5. EX-PROOF SYSTEM AVAILABLE

6. WIP SYSTEMS

ADVANTAGES

1.FOLLOW THE REGULATIONS OF C GMP, PIC/S GMP, FDA

2.PID PRECISION CONTROL

3.DOUBLE SHAKING FILTER BAGS

4.HIGH PROCESSING EFFICIENCY

5.EX-PROOF SYSTEM AVAILABLE

6.WIP SYSTEMS

CAPACITY :BETWEEN 100 - 350 Kg.

YÖNDEM

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HIGH SHARE MIXER

YÖNDEM

farmatürk
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HIGH SHEAR MIXER, ONE OF THE COMMONLY USED EQUIPMENTS IN SOLID PREPARATION PRODUCTION, IS WIDELY USED IN PHARMACEUTICAL, CHEMICAL AND FOODSTUFF INDUSTRIES.
THIS EQUIPMENT HAS FUNCTIONS OF MIXING AND GRANULATING.

1. FOLLOW THE REGULATIONS OF CGMP, PIC/S GMP, FDA
2. SAFETY INTERLOCK SYSTEM
3. TANGENTIAL IMPELLER
4. ON-LINE MILLING SOLUTION
5. WIP SYSTEM

GSY PRESSURED BINDER CHARGING

ADVANTAGES

1.MOVABLE

2.EASY OPERATION AND SAFETY

3.FAST BINDER ADDING

BENEFITS

1.LESS MATERIAL LOSS

2.CLOSED SYSTEM (TO DISCUSS)

3.EASY CLEANING

4.GRANULATION CAN BE TIME, VOLUME AND POWER CONTROLLED

CAPACITY :BETWEEN 100 - 350 Kg.

YÖNDEM

farmatürk
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AUTO FILM COATER

YÖNDEM

farmatürk
İlaç Makinaları San.Tic. Ltd. Şti.

AUTO FILM COATER IS MAINLY USED IN PHARMACEUTICAL AND FOODSTUFF INDUSTRIES. IT IS A HIGH-EFFICIENCY, ENERGY SAVING, SAFE, CLEAN AND MECHATRONICS EQUIPMENT FOR COATING TABLETS, PILLS AND CANDIES WITH ORGANIC FILM, WATER SOLUBLE FILM, SLOW AND CONTROLLED RELEASE FILM AND SUGAR FILM ETC. IT MEETS GMP REQUIREMENTS.

1. EASY AND FAST CHARGING AND DISCHARGING
2. BOTH FILM AND SUGAR COATING
3. PID PRECISION CONTROL
4. WIP SYSTEMS

ADVANTAGES

1. EASY AND FAST CHARGING AND DISCHARGING
2. BOTH FILM AND SUGAR COATING
3. PID PRECISION CONTROL
4. WIP SYSTEMS

CAPACITY :BETWEEN 100 - 350 Kg.

YÖNDEM

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BIN BLENDER

YÖNDEM

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IT CAN AUTOMATICALLY COMPLETE LIFTING, CLAMPING, MIXING AND DESCENDING TASKS AND CAN BE MATCHED WITH DIFFERENT SPECIFICATION PHARMA BINS TO SATISIFY LARGE BATCH AND VARIOUS MIXING.
IT IS CONSIDERED AS IDEAL MIXING EQUIPMENT IN PHARMACEUTICAL FACTORY AND IWIDELY USED IN PHARMACEUTICAL, CHEMICAL AND FOODSTUFF INDUSTRIES

1. HIGH AUTOMATION
2. EFFICIENT BLENDING
3. DETACHABLE BIN DESIGN FOR VARIOUS BATCH SIZE APPLICATION
4. EASY CLEANING

ADVANTAGES

1.HUMAN/MACHINE/PRODUCT SAFETY
2.HIGH EFFICIENCY MIXING LESS MIXING TIME
3.BROADER CAPACITY RANGE
4.EASY CHANGING BATCH SIZE
5.EASY OPERATION

CAPACITY :BETWEEN 50 - 3000 Lt.

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BOWL LIFTER GRANULATOR

YÖNDEM

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THIS EQUIPMENT, MAINLY USED FOR SOLID MATERIAL TRANSFERRING AND CHARGING, CAN BE MATCHED WITH FBG OR FBD BOWLS.
MEANWHILE, IT IS WIDELY USED IN PHARMACEUTICAL, CHEMICAL AND FOODSTUFF INDUSTRIES.

1. CATCH FBD BOWL AND DISCHARGE AUTOMATICALLY
2. ON-LINE MILLING SOLUTION
3. COMPLETE DISCHARGE
4. DISCGHARGE AT VARIOUS HEIGHTS
5. HERMETICAL DISCHARGE SOLUTIONS

ADVANTAGES

1.LABOR SAVING
2.EFFICIENT PROCESS FLOW
3.LESS MATERIAL LOSS
4.MINIMUM DAMAGE TO GRANULES
5.DUST FREE/NO CROSS CONTAMINATION

CAPACITY :BETWEEN 50 - 350 Kg.

YÖNDEM

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BIN LIFTER

YÖNDEM

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THIS EQUIPMENT, MAINLY USED FOR SOLID MATERIAL TRANSFERRING AND CHARGING, CAN WORK WITH BIN BLENDER, TABLET MACHINE, AND CAPSULE FILLING MACHINE. MEANWHILE, IT IS WIDELY USED IN PHARMACEUTICAL, CHEMICAL AND FOODSTUFF INDUSTRIES.

1. ANTI-FALLING SYSTEM
2. SAFETY LOCK
3. DEAD MAN OPERATION
4. 360°SLEW

ADVANTAGES

1.SPECIAL DESIGN TO FIT WITH THE FEEDING OF A TABLET MACHINE\
CAPSULE FILLING MACHINE AND A COUNTING MACHINE.

2.SAFE AND STABLE PERFORMANCE

3.EASE OF LIFTING BINS TO CHARGE IN A CLOSED SYSTEM

4.LABOUR SAVING

CAPACITY :BETWEEN 50 - 2000 Lt.

YÖNDEM

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DRUM LIFTER

YÖNDEM

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THIS EQUIPMENT, MAINLY USED FOR SOLID MATERIAL TRANSFERRING AND CHARGING, CAN WORK WITH BIN BLENDER, TABLET MACHINE, COATER AND CAPSULE FILLING MACHINE. MEANWHILE, IT IS WIDELY USED IN PHARMACEUTICAL, CHEMICAL AND FOODSTUFF INDUSTRIES.

1. TELESCOPIC COLUMN
2. MOVABLE
3. ROTARY DRUM
4. DEAD MAN OPERATION

ADVANTAGES

1.SUIT FOR DISCHARGING TO COATING MACHINE,

PACKING MACHINE ETC.

2. DISCHARGE AT ANY HEIGHTS

3.LABOUR SAVING

4.APPLICATION IN OTHER ROOMS

CAPACITY :BETWEEN 50 - 200 Lt.

YÖNDEM

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AUTO CAPSULE FILLER

YÖNDEM

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It adopts multi-bore dosing, intermittent motion and frequency control. It is suitable for automatically completing capsule feeding, separating, filling, (waste capsule rejecting), closing, finished product ejecting for powder or micro pill medicine in capsule. Its characteristics are advanced structure, the newest closed ten position rotating table, high precision, low noise and best suitable for domestic machine-made capsule, and soon the key parts of the bearing and electrical equipment adopts international famous brand, performance stability and can be run at a high speed. All parts contacting the medicine powder are cade of quality stainless steel, provide dust collector device and made according to GMP standard.

* It adopts capsule vacuum positioning mechanism to make the capsule qualified over 99%
* It adopts enlarged cam, jiangnan company has become the exclusive enterprise in china so far who matches the cam of RU100 to RU83,while other manufacturers use RU83-RU83) Increasing the cost of our financing, while it enhances the stability of the machines and extends the life of the machines to a great extend.
* It has improved the inner design of turret, and imports 90 pcs beeline bea8rings for each machine from Japan directly, guaranteed the equipment precision and extended the life of machine (While the normal models only use 40 pcs of beeline bearings, and the other 50 pcs equipped with copper cover, obviously it is easy to be destroyed and difficult to replace of it)
* Enlarge the size of dosing disc (Enlarged 3 CM); Increasing the powder flowing uniformity in the dosing disc, guaranteed the accurate of filling weight, and according to the international standard
* It adopts three dimensional control elements; and takes the undersurface plane of dosing disc as base, so as to eliminate the natural transmutation of the dosing disc and copper saucer. It is uniformity in interval and guarantees the accurate filling weight, decreasing the phenomena of powder leak and easy to clean. It’s the special design at domestic (Patent no: 20042006795x)
* Due to the innovation design of our factory; To enlarge the cam and the dosing disc, and the turret used 90pcs of original bearings import from Japan directly, so the dimension of the whole machine is 9cm larger than the other similar products.
* Add the extra function of capsule control switch.
(Control the capsule outside of the machine: it’s more safety and quickly.)
* Add the JOG control system, it’s easier to operate and clean the machine.

CAPACITY :BETWEEN 36.000 - 180.000 pcs/per hour.

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SEMI AUTO CAPSULE FILLER

YÖNDEM

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Semi-automatic Capsule Filling Machine, suitable for medium and small batch production.
The machine adopts a programmable control system, touch screen panel, speed-shift, and electronic automatic counter. It can semi-automatically complete the actions of position, separation, filling, locking, etc., suitable for conventional pharmaceutical products such as powder, pellets, granules, as well as for nutraceutical products such as herbs, vitamins or even special products with sticky, abrasive, fibrous, or other properties. This space-saving machine provides a straightforward operation, format changeover within five minutes and dosage accuracy.

Main Technical Parameters

Max. output	:	20.000 pcs/hour
Suitable capsule	:	No.00-5
Compressed air	:	0.03 m3/min 0.7Mpa
Vacuum pump	:	40m3/h
Machine power	:	2.12kw 220v 50Hz
Machine dimension (L×W×H)	:	1200×700×1650mm
Machine weight	:	300kg

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AUTO TABLET & CAPSULE COUNTER

YÖNDEM

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İlaç Makinaları San.Tic. Ltd. Şti.

Introduction

This machine is the important equipment for the production line of vial solid preparations. It is used for counting and split charging of the tablet including the shaped tablet, hard capsule, soft capsule (various shapes, transparent, nontransparent) and pill. It is able to combine with the vial distributing machine, paper stuffing machine, desiccant inserter, cap screwing machine, electromagnetic induction foil-sealing machine and self-adherence labeling machine to form full-automatic high-speed bottled production line. It has been widely used in the industries such as pharmacy, food, chemical engineering, etc., It is fully conforming to GMP certification requirements.

Main Features

1. Strong compatibility, high accuracy, wide applicable range and adopting the dust-resistance photoelectric detection technology. It is realizing the counting and split charging for the tablet including the shaped tablet, hard capsule, soft capsule (transparent and nontransparent) and pill.

2. Oscillatory type material loading, without damaging the drugs;

3. High intellectualism, multi detection and alarming control functions like never missing the count for vials, self-check against failure;

4. Smart structure, stability, replacing parts infrequently, small occupation area, low cost;

5. Convenience in replacing the variety, automatic rise and fall, convenient and fast disassemble without any tools;

6. Chinese-display control panel, storing the parameters of 10-20 varieties, particular convenience in adjustment and use;

7. Full automatic operation, intelligent joint control between the last and next processes, perfect coordination, without person attendance, saving the labor;

8. Low price, particularly suitable for the manufacturers of small batch and many varieties;

9. Control chip is the original imported from USA, and the photoelectric sensing element is introduced from Taiwan.

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SEMI AUTO
TABLET & CAPSULE COUNTER

YÖNDEM

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FEATURES:

PLC control system. Easy operation by Touch screen
Highly accurate Counting Speed : 600~1000 pcs/min
Flap Nozzle for Non-Stop counting
Dust Accumulating device enhance the counting accuracy
Japan made “ Keyence” high accuracy fiber sensor
Tool Free for counting all types tablets and capsules
Easy control variable counting speed
Memory slot for counting recall
Advanced stainless steel GMP design
Choice of funnel sizes to suit container neck
Easy manual adjustment of hopper

SPECIFICATIONS:

Speed: 600~1000 pcs/min
Tablet Size 5mm 160,000 Tablets / hour
Tablet Size 10mm 90,000 Tablets / hour
Capsule Size # 1 50,000 Capsules / hour
Capsule Size # 4 70,000 Capsules / hour
Bottle size: 30~200mm in diameter
Accuracy: ± 0.1-0.2%
Power Supply: Single Phase 110 or 220VAC, 50/60Hz
Machine Dimensions: (L)760mm (W)550mm (H)740mm
(For reference only, the real drawing should be considered as final.)

YÖNDEM

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BLISTER MACHINE

YÖNDEM

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Adopts top brand PLC controller with touch screen displayed in Chinese and English, Frequency inverter for speed control, servo traction, which can ensure the length of blister traction adjustable within the range.

-With thermal temperature control and test, main machine over loading protect, PVC and PTP packing material position test, feeder material position test, failure automatic debug and alarm, automatic protection and stop running.
-The machine station module type design of level frame, good sight, safe and convenient operation.
-Thermal with contact type, positive press formed, air cushion thermal seal upper and lower net, photo register make your product package better.
-PVC exchange support with bigger type material support, whole roller, which makes the equipment more practicability.
-The special design of moulds in rectangle shape, ladder type fixing, provide much convenience and ease to moulds replacement. All material contact parts adopt high quality stainless steel and aluminum metal, slap-up surface treatment craft.
-Discharging finished product in right order, automatic collection of bad products, auto rewinding of strap material to ensure easy collection.
-Feeding efficiently, reliable and suitable for many kinds type arrange and irregular feeding, (according to actual product design fit feeder).
-The machine has been designed into separated body, which is easily move into lifts or workshops.

CAPACITY : 20 - 50 cycle/per.min.

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MEDIUM SIZE BLISTER MACHINE

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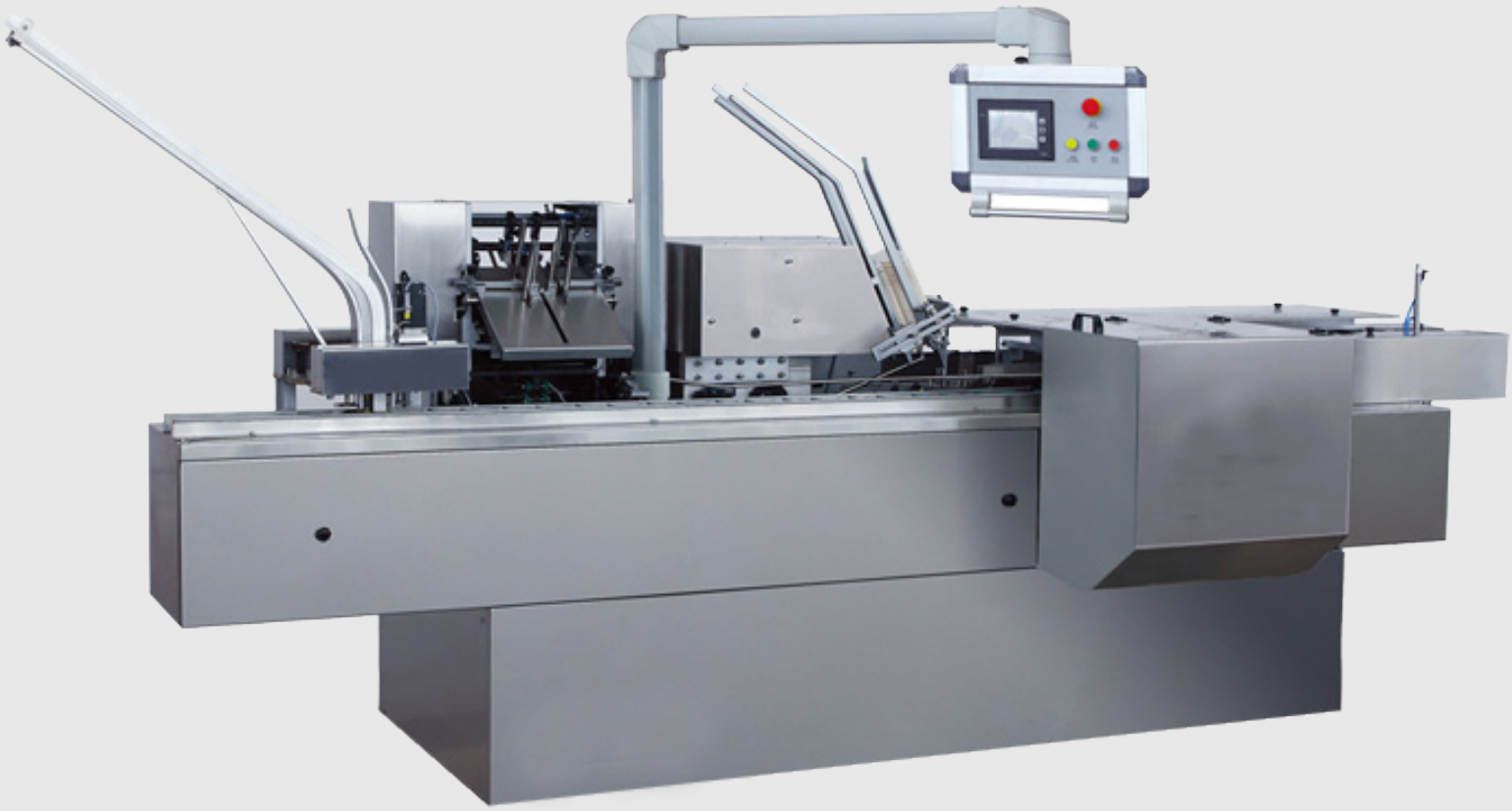
Multifunction automatic blister packing machine is an new product developed by our company and the advantage of aluminum/plastic packing machines at home and abroad, and the important parts are adopted with our five patent technology.

It is suiatble for packing tablets, sugar-coated tablets, capsules as well as small food, hardware and electronic components. It combines ten functions to a whole such as web cutting, aluminum/plastic feeding, blister forming, filling, aluminum foil printing, aluminum/plastic heat-sealing, bach number printing, cross-hatching creasing, sheet cutting, counting etc. It's unnecessary to be operated by manual during production, the packed products have fine sealing, safe and hygienic. The performance and price of machine is better than the similar products abroad.
This machine was checked and approved by scientific and technological achievements evaluation of Zhejiang Province, listed as one of the key national new products and national improvement and GMP carried out in China. It is sold to the pharmaceutical factories, big and medium-sized hospitals throughout the nation, and exported to India, Pakistan, Malaysia, Burundi, Hongkong and Taiwan etc, and well appreciated by customers.

1. With frequency stepless speed regulating, the punching frequency reaches 6-35times per minute.
2. The stroke can be adjusted within 40-110mm, which is easy to adjust with correct synchronization.
3. Adopts plate-type mould, positive-pressure forming, featured by batch number printing, creasing and cutting, aluminum-foil/plastics automatic feeding, automatic alarm for broken-piece and finished-piece and automatic stop etc.
4. Equipped with one set general feeder, which filling percentage reaches 99.5 and above.
The feeder is fitted with dust exhaust joint so can overcome the dust problem during feeding.
5. Adopts registering matching heating so that can reduce the heat energy loss of heater to the least, and the required temperature will be greatly reduced.
6. This machine has small volume, light weight, cramped structure, easy operation and maintenance.

YÖNDEM

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CARTONING MACHINE

YÖNDEM

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İlaç Makinaları San.Tic. Ltd. Şti.

Application:
This equipment is new model developing base on integrated domestic and foreign vanguard technology .It is high technology product incorporates pneumatic-photo-electro-mechanic which improve by a large on performance of equipment and working efficiency, realize encasing fast, keep running steady and reliable when fast running.This machine is suitable for blister, bottle or tube package product, adjust automatic feeding structure conveniently, setup quantity of blisters on touch screen.
On line product feeding and detecting, leaflet fold(1-4folds) and feeding, leaflet detecting, canton opening and forming, products and leaflet pushing into carton, printing batch number, sealing carton with tuck-in or hot melt glue device. Automatically reject lacking of leaflet or product and finished product out.

Feeding
Put the qualified products into the storage device in sequence, when start the machine, the blister plates enters into the conveyor belt automatically in sequence. The quantity of the blister plates can be set by the man-machine interface.

Manual fold
When the blister plates enters into the instruction folding section through the cartoning machine's synchronized feed, after the photoelectric detection, the manual blocked and be sent to conveyer belt and run synchronously with medicine bottle. The manual will not blocked if there is no bottle.

Plate into box
Plate and manual enter to box position, the vertiginous inhale head put carboard on conveyer belt, the bottle, manual and carboard run on the parallel estate, the push pedal device push medicine and manual into carboard.

Batch print and carboard seal
The steel word model automatically print the batch on the carboard cover when it get across this working position, and then the cardboard enter later working position, and the insert lingua seal the carboard automatically and then output.

Finished product output and disqualification reject
The finished carboard output get across from conveyer belt, the disqualification automatic rejected and enter the pellucid film packing machine to pack.

CAPACITY : Max. 80 pcs. cartons / per minutes.

YÖNDEM

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SOFTGEL ENCAPSULATION MACHINE LINE

YÖNDEM

farmatürk
İlaç Makinaları San.Tic. Ltd. Şti.

1. Strong production capacity, it can produce 370 million granules (Take the 200C for example, No. 8 oval shape, 3rpm, 24 hours/day, 300 days/year).
2. Medicine injecting part adopts advanced linearity driving system, and ensure that the precision of charging and filling is less than 2%.
3. Advanced water cooling system, can avoid to the pollution by air.
4. Capsule package rate is up to 98%.
5. The gelatine ribbon is lubricated by fine oil supply technology in order to lower the consumption of lubrication oil. If the ribbon is lubricated by vegetable oil, so the capsules produced is free of wash.
6. High quality capsule deferent equipment adopts food conveyer belt authorized by American FDA, without poison and adhibition and easy to clean.
7. Optimized designed mould is made of high quality aviation alloy material by high precision numerical control process to ensure the mould's service life.
8. Advanced process and assembly technics make the complete appliance quality stabilization, high working rate, and good shape pill.
9. Adopt automatic system project of supplying capsule and material to reduce workers' labor intensity and improve the working environment, which accords with the requirement of GMP.
10. The liquid level in the gelatin box is fixed automatically in the constant position, and the centigrade mater display the thickness of rubber, which is easy and accurate in adjustment.
11. The power of main motor is 1.1KW, which can avoid the phenomenon of insufficient driving power when the content is rather thick. (Take 200 model for example). Adopt the nonpoisonous materials to human body or now dropping matters into medicine liquid in this machine and medicine liquid, and the touching parts for gelatin.

CAPACITY :BETWEEN 12.000 - 70.000 pcs / hour

YÖNDEM

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ROBOLAB



DRY GRANULATOR
OSCILLATION TYPE

YÖNDEM

farmatürk
İlaç Makinaları San.Tic. Ltd. Şti.

ROBOLAB

We provide Granulator for continuous performance even in tough conditions.

These Oscillating Granulator Machinehave horizontal rotor and a variable screen on bottom side. It has features of top feed, bottom discharge to bag or drum and is used for agglomeration of mixture of powders. The offered machine is precisely manufactured with utmost care and sternly checked against various parameters of quality by our quality analysts to ensure its quality.

The following mesh sizes are also available:

Mesh Sizes : 0.8, 1.0, 1.25, 1.6, 2.0, 2.5 mm.

Capacity : 100 – 350 kg per hour

YÖNDEM

farmatürk
İlaç Makinaları San.Tic. Ltd. Şti.

ROBOLAB



WET GRANULATOR

YÖNDEM

farmatürk
İlaç Makinaları San.Tic. Ltd. Şti.

ROBOLAB

Pilot size Cone Mill is used for wet granulation in pharmaceutical industry, pharmacy colleges and R&D institutions and for research and development of pharmaceutical products.It is a self contained portable unit useful for granulating, mixing and size reduction. The Cone mill operates on the principle of Rubbing force by cone blade and rotating within a selected cone screen to get the required size reduction.The material is fed in the hopper, shredded and milled through cone blade consisting of Cone Blade and Cone Sieve.

The rotation speed and direction of cone blade could be adjusted through control panel.

The material is collected in the container placed under the hopper. In cone mill particle size reduction is done through rubbing of material by cone blades moving at high speeds, inside a cone sieve.

Design is cGMP - Current Good Manufacturing Practices compliance.

Easy movability.

Cone mill with cone type Blade and Cone Sieve.

Direct drive motor with A C Frequency Variable speed up to 2800 RPM.

High operating simplicity for easy cleaning of contact parts

The following mesh sizes are also available:

Mesh Sizes : 2.0, 2.5, 3.0, 3.5, 4.0 mm.

Capacity : 100 – 350 kg per hour

YÖNDEM

farmatürk
İlaç Makinaları San.Tic. Ltd. Şti.

ROBOLAB



TOP DRIVE
HIGH SHARE MIXER

PILOT SIZE

YÖNDEM

farmatürk
İlaç Makinaları San.Tic. Ltd. Şti.

ROBOLAB

The Top Drive HSM is a granulation system specifically optimized for pharmaceutical applications.

The impeller is designed for high shear and compression, ensuring effective granulation.

The chopper prevents excessive granule growth and distributes the granulating liquid within the product.The container is connected to the system head via electrically driven or hydrolic lifting cylinders and can be lowered for inspection, for example.

Lifting spindles to keep the container sealed even in case of accidents.

The filling inlet in the head allows gravity feeding.

The shape of the container and the impeller blades ensures effective granulation.

High production precision allows for low spacing between the impeller blades and the base.

Capacity : 75 Lt. (12 – 25 kg)

Benefits:

- less liquid consumption
- good discharging conditions
- closed system
- granulation can be time, amount or power controlled

YÖNDEM

farmatürk
İlaç Makinaları San.Tic. Ltd. Şti.

ROBOLAB



BIN BLENDER (MIXER)

PILOT SIZE

YÖNDEM

farmatürk
İlaç Makinaları San.Tic. Ltd. Şti.

ROBOLAB

General of applications

This machine is mainly used for mixing particles and particles, the particles in the solid preparation and powder. Materials, mixing equipment is pharmaceutical laboratory.

Widely used in pharmaceutical,chemical food and other industries.

Features of equipment

This machine is our widely absorbing and digesting foreign advanced technology, combined with the new situation of development of successful models.

The machine has the advantages of reasonable structure, stable performance, convenient operation, no dead angle of the whole machine, no exposed screw. The rotary body(mixing)into a 30 degree angle with the axis of rotation of the curve, mixing the material in the hopper with rotary turning, and the bucket wall tangential movement to do, have a strong stirring and high-speed tangential movement, so as to achieve the best mixing results, using PLC automatic control and set the anti misoperation the discharge valve device, ensure the production safety.

Materials can be in the same container through different processes, do not need to frequently turn material, feeding and other procedures effectively control the dust and cross contamination, reduce the loss of materials, control the material stratification, optimize the production process, in accordance with the GMP requirements of the production of drugs.

Capacity : 25 Lt. (7.5 – 12.5 kg) or 50 Lt. (15 – 25 kg) or 100 Lt. (30 – 50 kg)

YÖNDEM

farmatürk
İlaç Makinaları San.Tic. Ltd. Şti.

ROBOLAB



DRY GRANULATOR
OSCILLATION TYPE

PILOT SIZE

YÖNDEM

farmatürk
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ROBOLAB

We provide Granulator for continuous performance even in tough conditions.

These Oscillating Granulator Machinehave horizontal rotor and a variable screen on bottom side. It has features of top feed, bottom discharge to bag or drum and is used for agglomeration of mixture of powders. The offered machine is precisely manufactured with utmost care and sternly checked against various parameters of quality by our quality analysts to ensure its quality.

The following mesh sizes are also available:

Mesh Sizes : 0.8, 1.0, 1.25, 1.6, 2.0, 2.5 mm.

Capacity : 20 – 50 kg per hour

YÖNDEM

farmatürk
İlaç Makinaları San.Tic. Ltd. Şti.

ROBOLAB



WET GRANULATOR

PILOT SIZE

YÖNDEM

farmatürk
İlaç Makinaları San.Tic. Ltd. Şti.

ROBOLAB

Pilot size Cone Mill is used for wet granulation in pharmaceutical industry, pharmacy colleges and R&D institutions and for research and development of pharmaceutical products.It is a self contained portable unit useful for granulating, mixing and size reduction. The Cone mill operates on the principle of Rubbing force by cone blade and rotating within a selected cone screen to get the required size reduction.The material is fed in the hopper, shredded and milled through cone blade consisting of Cone Blade and Cone Sieve.

The rotation speed and direction of cone blade could be adjusted through control panel.

The material is collected in the container placed under the hopper. In cone mill particle size reduction is done through rubbing of material by cone blades moving at high speeds, inside a cone sieve.

Design is cGMP - Current Good Manufacturing Practices compliance.

Easy movability.

Cone mill with cone type Blade and Cone Sieve.

Direct drive motor with A C Frequency Variable speed up to 2800 RPM.

High operating simplicity for easy cleaning of contact parts

The following mesh sizes are also available:

Mesh Sizes : 2.0, 2.5, 3.0, 3.5, 4.0 mm.

Capacity : 20 – 50 kg per hour

YÖNDEM

farmatürk
İlaç Makinaları San.Tic. Ltd. Şti.

ROBOLAB



MAIN DRIVE

LAB SIZE

YÖNDEM

farmatürk
İlaç Makinaları San.Tic. Ltd. Şti.

ROBOLAB

The machine is researched and developed brand-new by our company, specially designed for small-scale test and manufacture. With its all kinds of functions, tasty appearance, space-economic feature, now it is popular in pharmaceutical, food, chemical, and cosmetics industries.

The main engine is equipped with HMI, promptly and easily connected to all kinds of supplementary machines.All the system information can be displayed on the screen, clear at a glance, which makes the operation very simple.The main engine adopts Foot Switch, which makes all operation parameters more easier to control.All the systems are controlled by human machine interface, which is useful for time work and timing control.

The Main drive unit is equipped with a mono-phase AC motor.

The sturdy ball bearing worm gear drive is completely maintenance free and provides an output torque of max. 25 Nm.

The unit features electronic speed control, time control with Siemens 5 inch touch screen.

YÖNDEM

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ROBOLAB



CUBE MIXER

LAB SIZE

YÖNDEM

farmatürk
İlaç Makinaları San.Tic. Ltd. Şti.

ROBOLAB

The Cube Mixer a tumbling motion to produce a homogenous blend within a short time.

The mixing action is assisted by three stainless steel rods strategically positioned within the cube.

The cube mixer is attached to the drive unit via the ROBOLAB Main Machine.

The cube mixer is available in several versions of acrylic glass or stainless steel.

Our cube mixers are available in the following versions:

RBLC 15: Cube mixer made of acrylic glass, 3.5 lt. volume, 40 % working capacity

RBLC 15 SS: Cube mixer made of stainless steel, 3.5 lt. volume, 40 % working capacity

RBLC 20: Cube mixer made of acrylic glass, 8 lt. volume, 40 % working capacity

RBLC 20 SS: Cube mixer made of stainless steel, 8 lt. volume, 40 % working capacity

RBLC 25: Cube mixer made of acrylic glass, 15 lt. volume, 4 0% working capacity

RBLC 25 SS: Cube mixer made of stainless steel, 15 lt. volume, 40 % working capacity

YÖNDEM

farmatürk
İlaç Makinaları San.Tic. Ltd. Şti.

ROBOLAB



DRY & WET GRANULATOR

LAB SIZE

YÖNDEM

farmatürk
İlaç Makinaları San.Tic. Ltd. Şti.

ROBOLAB

Dry Granulator with oscillating rotor for the production of dry granules.

Wet Granulator with V Type rotor for the production of wet granules.

The granules can be produced in varying sizes depending on the employed sieve mesh.

All parts coming into contact with the product are made of stainless steel.

Working capacity is max. 20 kg / h (per machines) depending on the material and mesh width of the sieve used.

The unit is supplied as standard with two sieves for dry 1.0 mm, for wet 2 mm respectively.

The following mesh sizes are also available:

For Dry : 0.8, 1.0, 1.25, 1.6, 2.0, 2.5 mm.

For Wet : 2.0, 2.5, 3.0, 3.5, 4.0 mm.



YÖNDEM

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İlaç Makinaları San.Tic. Ltd. Şti.

ROBOLAB



TOP DRIVE
HIGH SHARE MIXER

LAB SIZE

YÖNDEM

farmatürk
İlaç Makinaları San.Tic. Ltd. Şti.

ROBOLAB

The Top Drive HSM is a granulation system specifically optimized for pharmaceutical applications.

The impeller is designed for high shear and compression, ensuring effective granulation.

The chopper prevents excessive granule growth and distributes the granulating liquid within the product.The container is connected to the system head via electrically driven or hydrolic lifting cylinders and can be lowered for inspection, for example.

Lifting spindles to keep the container sealed even in case of accidents.

The filling inlet in the head allows gravity feeding.

The shape of the container and the impeller blades ensures effective granulation.

High production precision allows for low spacing between the impeller blades and the base.

Capacity : 10 Lt. (2 – 5 kg)

Benefits:

- less liquid consumption
- good discharging conditions
- closed system
- granulation can be time, amount or power controlled

YÖNDEM

farmatürk
İlaç Makinaları San.Tic. Ltd. Şti.

ROBOLAB



HIGH SHARE MIXER

LAB SIZE

YÖNDEM

farmatürk
İlaç Makinaları San.Tic. Ltd. Şti.

ROBOLAB

HSM-10 High-efficiency Wet Mixing Granulator is used the most common international granulation method.The granulation process, granulation by mixing the two processes to complete in the same container. Powder materials are in a fixed conical container, stirring the mixture with the diced knife blade opposite effect in that the powder was dispersed collision state of semi-rolling flow, and achieve full hybrid, with the injection of adhesives, so that powder materials gradually mixed.Granulator knives frequency control can be set according to different parameters of different materials to achieve better granulation results.The main unit provides PLC control system; granulation parameters meet the variety of product specifications.

Model	:HSM-10
Capacity	:10L
Production Capacity	:1-3 kg/batch
Mixed Motor	:1.5 kw
Mixed Speed	:300/600rpm
Cutting Speed	:1500/3000rpm
Granulating motor	:0.4kw
Granulating rotate speed	:0-3000r/min

YÖNDEM

farmatürk
İlaç Makinaları San.Tic. Ltd. Şti.

ROBOLAB



SINGLE STROKE TABLET PRESS

LAB SIZE

YÖNDEM

farmatürk
İlaç Makinaları San.Tic. Ltd. Şti.

ROBOLAB

The EP-1 is the ideal desktop tablet press for R&D purposes.

The single punch eccentric Tablet Press can manufacture tablets and odd shaped products with a diameter of up to 25 mm. It operates automatically i.e. the die is filled with powder or granule, the material compressed and the tablet ejected continuously.

The compression force of up to 3 tons and the filling depth of up to 15 mm are easy to adjust.

All components are either covered with hard chrome, or made of stainless steel AISI 304 or acrylic glass for the front door.



Press speed infinitely variable

Max. tablet diameter 25mm

Max. filling depth 15 mm

Max. compression force 3t

Max. tablet output 4000 tablets/hour

Net weight 250 kg

Dimensions press 400/425/1700 mm L/W/H

Power supply 230V/50-60Hz

Electrical load 0.75 kW

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