

Product Data

# Tab**CN** Tablet Press Machine

HUADA Pharma international Co., Ltd



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Pharma





## Tab**CN** Tablet Press Machine

Product Data

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# TabCN-5-7-9C Tablet Press



TabCN-5-7-9C machine is a single sided tablet press which is capable of producing tablets with diameters up to 12mm. With minimal operator and maintenance training demands, the machine provides a cost effective solution to small and medium batch tablet production.

It is a continuous automatic tablet press which can be used in the pharmaceutical, chemical, food, and electronic industries.

## Features

- The machine is compliance with the GMP requirement on the production of pharmaceuticals.

- The compression parts is entirely separated from the driving mechanisms.

- All spare parts to be in contact with the pharmaceuticals are made of stainless steel or the surface being treated specially for non-toxicity & corrosion proof.

- Machine speed, the depth of filling, the thickness of the tablet could be adjusted.

- The compression area is enclosed with a transparent organic glass. Reliable safety sealing system and dust-proof system.



## Technical Parameters

Model	TabCN-5C	TabCN-7C	TabCN-9C
Dies	5 set	7 set	9 set
Max. Pressure		60 kN	
Max. Dia. of Tablet		20 mm	
Max.Depth of Filling		15 mm	
Capacity	9000 tablets/h	12600 tablets/h	16200 tablets/h
Power	110V 60Hz / 220V 50Hz 2.2kW	110V 60Hz / 220V 50Hz 2.2kW	110V 60Hz / 220V 50Hz 2.2kW
Weight		320kg	
Dimensions		480x630x1100 mm	
cGMP	✓	✓	✓
Safety sealing system	✓	✓	✓
Powder filling system	✓	✓	✓

✓: Yes ○: Optional

# TabCN-15-17-19C Tablet Press



This single-pressure type machine with automatic rotation and continuous tablet pressing can be applied to press granular raw materials into various ordinary and special-shaped tablets. It is mainly used in electronics, food, daily necessities and pharmaceutical industries. The totally-enclosed outer housing is made of stainless steel, conforming to the GMP standard. Besides, as it is equipped with transparent observation windows, the working status of the machine can be clearly observed. In addition, they can be opened to make internal cleaning and maintenance easy.

## Features

- With such features as high pressure, wide tablet range, and being able to make tablets of various shapes including ordinary, special-shaped and ring-shaped tablets, it is especially suitable for production of small batches and varieties of products.

- With mechanical and electrical integration, all controllers and regulating devices are centralized at one side of the machine, making operation much easier.

- It is equipped with the pressure overload protection device in order to avoid damage.

- The driving mechanism treated with oil-immersed lubrication is closed in the lower machine body, which helps to prolong the service life and avoid cross contamination.



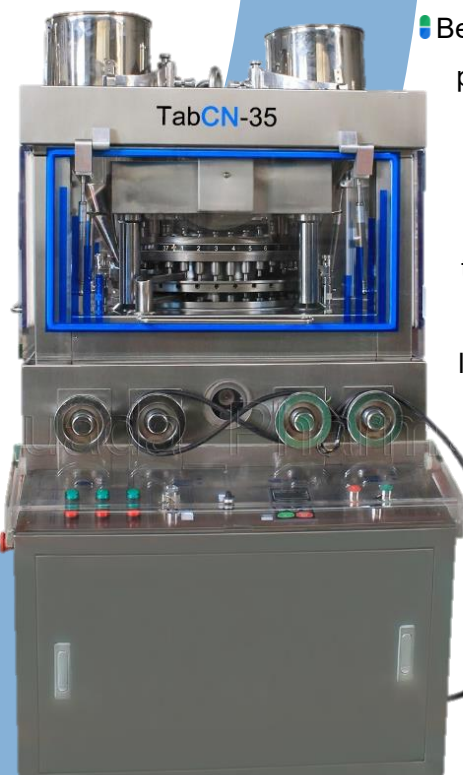
## Technical Parameters

Model	TabCN-15C	TabCN-17C	TabCN-19C
Punch quantity	15 set	17 set	19 set
Max. tablet pressure		60 kN	
Max. table diameter	22 mm	20 mm	13 mm
Max. filling depth		15 mm	
Max. tablet thickness		6 mm	
Speed of turntable		37 r/min	
Production capacity	35,000 pc/h	40,000 pc/h	42,000 pc/h
Motor power	3/960 kW, 380V/50Hz	2.2/960, kW 380V/50 Hz	
Overall dimension		615*890*1415 mm	
Weight		700kg	
cGMP	✓	✓	✓
Easy cleaning	✓	✓	✓
Longer service life	✓	✓	✓
CE	✓	✓	✓
ISO9001	✓	✓	✓

✓: Yes ○: Optional



# TabCN-35-37-43-45-53-57 Tablet Press



Besides high maximum pressure, there is a pre-pressure device to prolong the pressing time and make the tablet quality better.

High rotation speed of turntable and double-sided tablet pressing make production highly efficient.

The control part adopts PLC and the operation panel adopts the color touch screen display, making the operation simple.

Totally-enclosed transparent windows are used at the working area, with little dust pollution and

good sealing

performance. All parts

are made of stainless steel or have

specially-treated

surface to prevent

cross contamination,

conforming to the GMP

requirements.



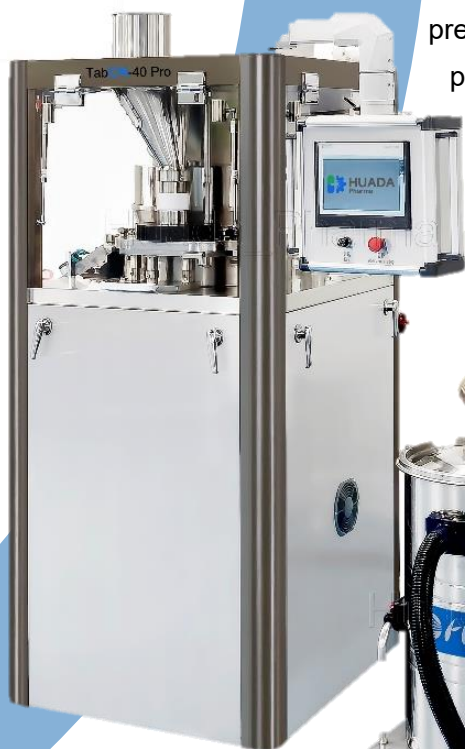
## Technical Parameters

Model	TabCN-35	TabCN-37	TabCN-43	TabCN-45	TabCN-53	TabCN-57
Punch quantity	35 set	37 set	43 set	45 set	53 set	57 set
Punch form	IPT					
Max. tablet pressure	80 kN					
pre-pressure	60 kN					
Max. filling depth	18 mm					
Max. tablet diameter	25 mm	32 mm	18 mm	17 mm	13 mm	11 mm
Production capacity	18.9 pc/h	19.98 pc/h	23.22 pc/h	24.3 pc/h	28.62 pc/h	30.78 pc/h
Max. turntable speed	45 r/min					
Motor power	7.5 kW					
Machine weight	3500 kg					
Dimensions	1170*1290*1900 mm					
cGMP	✓	✓	✓	✓	✓	✓
PLC control	✓	✓	✓	✓	✓	✓
CE	✓	✓	✓	✓	✓	✓
ISO9001	✓	✓	✓	✓	✓	✓

✓: Yes ○: Optional

# TabCN-26-32-40 Pro Tablet Press

This is a kind of single-pressure high-speed rotary tablet pressing machine, which can press granular raw materials into tablets of varied shapes. It is mainly used in pharmaceuticals, food, chemical and electronic industries.



## Features

- The totally-enclosed outer housing is made of stainless steel and the surface of the turntable is covered with a hardened layer to keep the surface from wear and tear, both of which conform to the GMP requirements.

- It is equipped with windows made of organic glass and door frame made of stainless steel, which improves not only its appearance but also the rigidity of the door.

- The motor speed is controlled by the frequency converter. And the motor is fixed on the base plate to prevent the machine from shaking in operation.

- The upper and lower guide rails and punch punches

intermittent fixed low-flow lubricating system to reduce the wear of guide rails.

- It is equipped with the hydraulic overload protection device. The moment the overpressure occurs, the machine stops automatically to protect the punch pins from being damaged.



## Technical Parameters

Model	TabCN-26 Pro	TabCN-32 Pro	TabCN-40 Pro
Punch quantity	26 set	32 set	40 set
Punch form	D	B	BB
Max. tablet pressure	100 kN	80 kN	80 kN
Max. pre-pressure		20 kN	
Max. tablet diameter	Round tablet 25 mm Special-shaped 25 mm	18 mm 19 mm	13 mm 16 mm
Rotating speed	11-87 r/min	11-105 r/min	11-105 r/min
Production capacity	135,000 pc/h	201,000 pc/h	252,000 pc/h
Max. filling depth		16 mm	
Max. tablet thickness		6 mm	
Diameter of upper and lower punch	25.35 mm	19 mm	19 mm
Motor power	11 kW	7.5 kW	7.5 kW
Dimension		1200*950*1850 mm	
Weight		1700 kg	
cGMP	✓	✓	✓
CE	✓	✓	✓

✓: Yes ○: Optional

# TabCN-35-37-41C Tablet Press



The machine is a double-pressing automatically revolving piece-pressing machine which could make grain be pressed to be round piece ,be carved characters ,special shapes and double color piece prescription .It is mainly used in manufacturing piece prescription for pharmaceutical industry enterprises like chemical industry ,foods, electronics .

## Features

- The machine is fully-enclosed, made of stainless steel, meet the G.M.P requirement.
- It has transparent windows so that press condition can be observed clearly and the windows can be opened.
- Cleaning and maintenance is easier.
- The machine can press not only round tablets but also different geometrical shape tablets, annular tablets, and the tablets may have the impressed letters on both sides. A power suction unit is attached to take the residual powder during operation so that the blockage powder can be collected and reused.

be

- An overload protection unit is included in the system to avoid the damage of the punches and apparatus.
- The machine's worm gear drive adopts fully-enclosed oil-immersed lubrication with long service-life, preventing cross pollution.
- The speed is stepless speed regulation, which can be adjusted at will.
- Realization of electromechanical integration, using touch screen PLC control and operation.



## Technical Parameters

Model	TabCN-35C	TabCN-37C	TabCN-41C
Punch quantity	35set	37set	43set
Max. tablet pressure		80KN	
Max. filling depth		15 mm	
Max. tablet diameter		13 mm	
Max. tablet thickness		6 mm	
Production capacity (pc/h)	150000	160000	170000
Turntable speed		14-37 r/min	
Motor power		4 kW	
Machine weight		1700 kg	
Dimensions		950*1230*1670 mm	



# TabCN-29-31 Tablet Press



TabCN-29/31 Rotary Tablet Press is a kind of tablet pressing machine with automatic rotation, frequency control and continuous tablet pressing. It is mainly applied to the manufacture of tablets in the pharmaceutical industry. Besides, it is used to press granular raw materials into tablets in the chemical, food, electronic and other industries. It is suitable for granular raw materials with powder content less than 10%. However, it is not applicable to semi solids, wet granules, easily-damped powder or raw materials with a low melting point. This machine can press round tablets, special-shaped and double-sided tablets with lettering; ring tablets and double-layer two-color tablets, of 4~18 mm. Also, it can press tablets within 20 mm according to the order requirements .

## Features

- The machine is fully-enclosed, made of stainless steel, meet the G.M.P requirement.\* It has transparent windows so that press condition can be observed clearly and the windows can be opened.
- Cleaning and maintenance is easier.
- The machine can press not only round tablets but also different geometrical shape tablets, annular tablets, and the tablets may have the impressed letters on both sides. A power suction unit is attached to take the residual powder during operation so that the blockage powder can be collected and be reused.
- An overload protection unit is included in the system to avoid the damage of the punches and apparatus.
- The machine's worm gear drive adopts fully-enclosed oil-immersed lubrication with long service-life, preventing cross pollution.
- The speed is stepless speed regulation, which can be adjusted at will.
- Realization of electromechanical integration, using touch keys and display screen (speed, output, fault).



## Technical Parameters

Model	TabCN-29	TabCN-31
Punch quantity (set)	29	31
Max. tablet working pressure (kN)	80	100
Max. tablet diameter (mm)	20	24
Max. filling depth (mm)	15	15
Max. tablet thickness (mm)	6	6
Speed of turntable (r/min)	14-36	14-36
Max. production capacity (pc/h)	125,000	135,000

# TabCN-29B Tablet Press



This machine is kind of automatic rotary machine for continuous tablet pressing. It is mainly used for the production of tablet in pharmaceutical industry. It is also suitable for other industries such as chemical, foodstuff and electronics to press the granular material into tablets.

## Features

- The This machine is a kind of automatic rotary machine for continuous tablet pressing.
- It is mainly used for the production of tablets in pharmaceutical industry. It is also suitable for other industries such as chemical, foodstuff and electronics to press granular material into tablets.
- It is applicable to power materials with the fineness being above 100 mesh, and granular raw materials with granules not to be more than 10%. However, it is not applicable to semi solids, wet granules, easily-damped powder or raw materials with a low melting point.
- Guarantees a higher output as high production levels can be achieved with a minimal amount of labor.
- Higher outputs save time and enable you to large production demands.



meet your

- It reduces wastage of material.
- It allows independent control of both the weight and hardness of tablets.

## Technical Parameters

Model	TabCN-29B
Punch quantity (set)	29
Max. tablet pressure (kN)	80 (Pre-pressure 500 kg)
Max. tablet diameter (mm)	20
Max. tablet thickness (mm)	6
Max. filling depth (mm)	15
Max. production capacity (pc/h)	80,000~120,000
Speed of turntable (r/min)	14~35
Pitch diameter (mm)	420
Diameter of middle punch (mm)	26
Height of middle punch (mm)	22
Diameter of upper and lower punch (mm)	22
Length of upper and lower punch rod (mm)	115
Main motor power (kW)	5.5
Dimension (LWH) (mm)	910×1120×1650

# TabCN-45/55/75 Pro Tablet Press

Due to the double press rollers and a large number of punches, it is suitable for mass production of tablets.

The totally-enclosed outer housing is made of stainless steel and the surface of the turntable is covered with a hardened layer to keep the surface from wear and tear, both of which conform to the GMP requirements.

It has perfect tablet pressing system--twice pressure forming, proper space, large pressing rollers and reasonable frame structure design, resulting in no deformation under heavy load, long pressing time and small difference in tablet weight.

With the three-impeller force feeder filling, the fluidity and filling performance of granules have greatly improved, which helps ensure the feeding accuracy.

The track adopts double lifting structure, which makes the punches be pressed more evenly and not easy to wear.

Reliable electronic control system, advanced control principle reliable components ensure the accuracy of and interlocking protection function. The

imported various procedures

control system can accurately monitor the whole production process.

The waste rejection controller, the rotary encoder, the pressure sensor, as well as the waste rejection solenoid valve work together to achieve the rejection of single waste tablet in high-speed running state.

It has a special design of anti-oil, anti-dust and anti-noise.



## Technical Parameters

Model	TabCN-45 Pro	TabCN-55 Pro	TabCN-75 Pro
Punch quantity	45set	55set	75set
Max. production capacity	405,000 pc/h	495,000 pc/h	675,000 pc/h
Main. main pressure		100 kN	
Max. pre-pressure		20 kN	
Max. tablet diameter	25 mm	16 mm	13 mm
Max. size of special-shaped long axis	25 mm	19 mm	16 mm
Max. filling depth		20 mm	
Max. thickness range		0.5~8 mm	
Max. speed of revolution		75 r/min	
Motor power	11 kW	11 kW	11 kW
Power supply		3P 380V 50Hz	
Dimension		Main machine 1704*1380*1926 mm Control cabinet 750*550*1750 mm	
Weight		Main machine 3980 kg Control box 240 kg	
cGMP	✓	✓	✓

✓: Yes ○: Optional

# TabCN-Dedusted II/III/III Pro Tablet Press



The TabCN-Deduster III Pro Uphill Tablet De-duster is a special equipment to wipe out burr and dust of tablet whilst going up way. It can be connected with tablet press and metal detection systems.

The function of the machine is tablet dust removing, lifting and sieving.

316L stainless steel are used for all metal parts contacting tablets which is according to GMP standard.

It is widely used in the industries such as chemical, food. etc.

## Features

- Height of outlet is easy to adjust;
- Fast-joint system makes it much safer and quicker to disassembly and assembly;
- 360° circle adjustment of inlet and outlet to make production more convenient and save factory room;
- With outstanding efficiency, it is suitable for mass production of  $\Phi 3$ - $\Phi 25$ mm all-kind-shape tablet;
- Parts in contact with material are all made of 316L stainless steel. No blind spot makes it easy to clean. Meet cGMP demands;

- New design motor driver to ensure the machine runs more stably with lower noise;



## Technical Parameters

Model	TabCN-Dedusted II	TabCN-Dedusted III	TabCN-Dedusted III Pro
Capacity	420,000pcs/h	800,000pcs/h (depending on dia 6mm)	
Sieving cylinder diameter	130mm		
Sieving cylinder rotation speed	0-30rpm		
Machine dimensions	750*320*1030mm	550*550*(1350-1500) mm	550*550*(1365-1545) mm
Weight	37kg	70kg	70kg
Power Supply	110V 60Hz/220V 50Hz	110V 60Hz/220V 50Hz 0.1kw	
Tablet diameter		3mm-25mm	3mm-25mm
Outlet height		1085-1265mm	1230-1410mm
Dedusting Distance		6m	7.5m
Compressed air		0.1m <sup>3</sup> /h (0.05MPa)	0.1m <sup>3</sup> /h (0.05MPa)
Vacuum cleaning		2.7m <sup>3</sup> /h (-0.1MPa)	2.7m <sup>3</sup> /h (-0.1MPa)
cGMP	✓	✓	✓
Easy cleaning	✓	✓	✓
CE	✓	✓	✓

✓: Yes ○: Optional



# TabCN-Coater3/4/6/10/13 Tablet Press

The tablet coating machine is widely used for making tablets, sugar-coat pills, polishing and rolling food demanded by the pharmacy industry, chemical industry, foods, research institutes and hospitals. The sugar-coat tablets that are polished possess a bright appearance. The intact solidified coat formed after the surface sugar's crystallization can prevent the chip from oxidative deterioration, damping and volatilization, and cover the improper flavor of the chip.

Able to be matched with frequency controller. Able to be matched with dust-removal system. It can be made to totally-enclosed type, served with airbrush system, and meets the GMP requirements.

## Features

- Check whether all parts of tablet coating machine are tightened before using it.

- Wash both the inside and the outside of the sugar-coat pot.

- Switch on the principal motor to allow the machine an idle running for 2 minutes, so as to judge if there is malfunction.



## Technical Parameters

Model	TabCN-Coater3	TabCN-Coater4	TabCN-Coater6	TabCN-Coater10	TabCN-Coater13
Capacity	1-3kg/cycle	2-5kg/cycle	8-15kg/cycle	50-70kg/cycle	80-150kg/cycle
Pot inclination	42°	42°	30°	30°	30°
Motor Power	0.37 kW	0.37 kW	0.75 kW	1.5 kW	2.2 kW
Blower Power	60w	60w	100w	200w	370w
Pot Volume	1L	1L	5L	10L	20L
Heating Power	1.4 kW	1.4 kW	2 kW	4 kW	6 kW
Weight	49kg	50kg	150kg	300kg	500kg
Rotational Speed	0-46r/min	0-46r/min	0-40r/min	0-32r/min	0-28r/min
cGMP	✓	✓	✓	✓	✓
Matched with dust-removal system	✓	✓	✓	✓	✓
served with airbrush system	✓	✓	✓	✓	✓
CE	✓	✓	✓	✓	✓
ISO9001	✓	✓	✓	✓	✓

✓: Yes ○: Optional



# TabCN-Coater5/20/80 Pro Tablet Press

TabCN-Coater80 Pro



The efficient coating machine is experimental equipment for special use widely applied in Chinese and western tablets, pills and the like for carrying out water phase and organic film coating. This equipment is manufactured in strict accordance with the requirements of pharmaceuticals industry association "GMP", and all shells, coating rollers, heat fans, exhaust fans, spraying devices, and all components in contact with drugs are produced by stainless steel materials.

The whole operation process is controlled by a PLC programmable system, comprising a manual operation control and automatic operation control. The control system is controlled by the PLC programmable system, the control parameters are displayed on the touch frequency.

The whole coating operations are carried out under a closed state and dust flying and coating solution spattering free, it is a novel and efficient coating device characterized in efficiency, reliability, clean, energy-saving, less covering areas, easy operation, and in accordance with GMP requirements.

## Features

- Controllable negative pressure function: the negative pressure testing point is added to a coating machine, to control the speed of the exhaust fan, changing the wind speed and capacity.
- Controllable wind-speed system for hot wind: setup the electronic control system for controlling the rotate speed of the air heater, changing the air-supplying capacity and wind speed.
- Using import spray gun is selected, the operation thereof is convenient, which is characterized in uniform atomization, large spray surface, non-dripping, and auxiliary materials saving.



## Technical Parameters

Model	TabCN-Coater5 Pro	TabCN-Coater20 Pro	TabCN-Coater80 Pro
Diameter and capacity of the coating roller	Φ300/1L, Φ380/3L, Φ480/5L	Φ 520/5L, Φ580/10L, Φ680/20L	Φ 680/10L, Φ750/40L, Φ930/80L
Rotate speed	0-30rpm	0-25rpm	0-30rpm
Exhaust Fan Flow	2500m³/h	3517m³/h	5268m³/h
Air Heater Flow	504 m³/h	1200m³/h	1685m³/h
Tempering Range of Hot Blast	Max.80 °C of normal temperature	Max.90 °C of normal temperature	Max.90 °C of normal temperature
Main Motor	0.37 kW	0.75 kW	1.5 kW
Dimension	1250x900x1700mm	1050x960x1800mm	1300x1315x2000mm
Weight	750kg	625kg	800kg
cGMP	✓	✓	✓
PLC control	✓	✓	✓
Quick cleaning	✓	✓	✓

✓: Yes ○: Optional

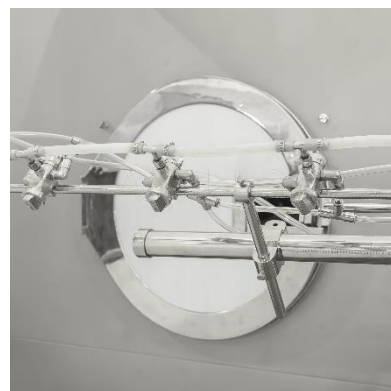
# TabCN-Coater600 Pro Coating Machine



Inside the coating machine rolling drum, the bare tablets are made to move along a consecutive and complicated track. In the process of the motion, controlled by the programming control system, a medium is automatically sprayed (or trickled) to a tablet surface according to the selected technological sequence and parameters by a syrup pump and spraying gun (or a drip pipe for sugar coating). At the same time, finely-filtrated clean hot air from the hot air cabinet penetrates the tablet bed and then is exhausted from the bottom of the drum and discharged after being dedusted so that a solid and smooth film or sugar coating can be quickly formed on the tablet.

## Features

- With the PLC control technology adopted, the machine control system is reasonable in design and flexible in programming.
- Auto/manual mode is available for different coating technology.
- The system is featured by high anti-interference capacity, little failures, easy maintenance and good expandability.



## Technical Parameters

Model	BG-600E
Max. tablet volume	600L
Sugar coating drum dia.	Φ1580mm
Feed inlet diameter	Φ570mm
Sugar coating drum speed	1-12r.p.m
Host machine motor power	5.5kw
Exhaust cabinet motor power	11kw
Exhaust blower air flow	15450m <sup>3</sup> /h
Hot air cabinet motor power	5.5kw
Air heater air flow	7419m <sup>3</sup> /h
Air heater temp.-adj. range	~80°C
Hot air cleanness level	10level
Syrup pump power consumption	0.55kw
Silicon rubber hose	φ9-φ16mm
External dimensions of host machine	2000×2277×2660mm
Host machine weight	2800kg
External dimensions of hot air cabinet	1600×1100×2350mm
Hot air cabinet weight	820kg
External dimensions of exhaust cabinet	1050×1000×2470mm
Exhaust cabinet weight	660kg



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