



興澤精密有限公司 SHING TSE PRECISION CO., LTD.

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HIGH SPEED ROTARY TABLET MACHINE (TWO-LAYER TABLETS & TWO-OUTLET) TCS-HRT23BD-SS TCS-HRT29BD-SS TCS-HRT35BD-SS

FUNCTIONS

- The machine is for making high production, high hardness and high precision of one-layer & two-layer tablets.
- Applicable to production of tablets for food, medicine, chemical and etc.

FEATURES

- Electrical control digital display meter adjusted device and button adjusted device are for adjustment in the hardness, thickness and weight of pastilles.
- The special-purpose machine for production of precise one and two-layer tablets.
- One-layer tables are produced through single pressing or double pressing method.
- Tableting area separates from rotary gear to reduce noise (it is a split-type).
- Large hopper and new three-phase feeding design are easily detachable and undetachable.
- Can use both optional fixed amount feeding device and forced feeding device to easily assemble and disassemble.
- Easy operation & cleaning as well as meet PIC/S GMP standards.





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SPECIFICATION

SPEC/MODEL	HRT23BD-SS	HRT29BD-SS	HRT35BD-SS
TABLET TYPE	ONE LAYER, TWO LAYER		
NUMBER OF STATION	23	29	35
PUNCH TYPE	D	D ,B	BB
MAX. DIA. OF TABLET	25 mm	16 mm,19mm (caplet)	13 mm
DEPTH OF POWDER FILLING	2 ~ 19 mm 2 ~ 17 mm		
ONE-LAYER TABLETS, TWO OUTLETS PRODUCTION CAPACITY(TABLET/HR)	33,000 ~ 132,000	41,600 ~ 166,400	50,400 ~ 201,600
TWO-LAYER TABLETS, ONE OUTLET PRODUCTION CAPACITY (TABLET/HR)	16,500 ~ 66,000	20,800 ~ 83,200	25,200 ~ 100,800
RPM OF TURRET	12 ~ 48 RPM		
MAX. MAIN PRESSURE	10,000 KGS		
OVERALL LENGHTS OF UPPER & LOWER PUNCHES	133.35 mm , 133.6 mm		
DIAMETERS OF UPPER & LOWER PUNCHES	25.4 mm	25.4mm, 19mm	19 mm
THICKNESS OF DIE	23.81 mm	23.81 mm, 22.22 mm	22.22 mm
DIAMETER OF DIE	38.1 mm	30.16 mm	24 mm
POWER	3 HP 4 pole		
MACHINE SIZE (L x W x H)	1,280 x 1,060 x 2,050 mm		
PACKING SIZE (L x W x H)	1,100 x 1,400 x 2,100 mm		
MACHINE TOTAL WEIGHT	1,900 KG		

Remarks: Output is available according to powder character and the evenness of powder granules.

The above figures are for reference only; the specifications can be modified by manufacturer as needed.

*Punches and dies are available according to purchasers' requirements.



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High Speed Rotary Tablet Machine

TCS-HRT23BD-SS TCS-HRT29BD-SS TCS-HRT35BD-SS

Feature explanation

Pre-& Main-pressure and weight adjustment

- Use humanity electronic digital meter to display precisely, push button & labor-saving adjustment design.
- It is easy to control tablet production data and record QC efficiently.
- Can input the recorded data to save the tableting time when the sizes of powder granule are the same and under the same working condition.
- With the brake motor transmission and mechanism regulated device to increase the stability of hardness of tablets efficiently.

Electrical control regulation device

- Use stepless variable speed device to adjust tableting speed based on the powder materials.
- Equip with the tablet counter, machine working timer and electrical appliance safety device.

Double-pressing system

- Can be adjusted to a machine with double pressing wheels.

Split-type transmission mechanism

- Tableting area separates from rotary gear (it is a split-type); spindle drives the turret directly that can reduce the noise.
- The spindle worm gear inside of gear oil box meshes with the copper alloy worm gear to keep the noise down and extend the machine's life.

Safety device of punches & dies

- The turret with hard chrome plated surface treatment.
- Each punch aperture has the same diameter size; it is applicable to round type and special tablet forming punches.
- Upper punches install an oil-proof loop and lower die installs an oil seal to prevent the tablets from the oil sludge pollution.
- Upper punches equip with safety device to stop machine automatically when it is stuck; lower punch has protective cover with a safety sensor when changing the punches.



Track device

- All tracks, which connect with upper and lower punches, are made of special steel.
- Installation of the auto oil filling device that the lower track can fill oil and lubricate automatically for the smooth work of lower punches.

Feeding design

- With a large hopper and new three-phase-split type input design for easy assembly and disassembly.
- Can use an optional forced feeding device which is driven by variable speed motor for easy assembly and disassembly.



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High Speed Rotary Tablet Machine

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Feature explanation

Easy operation & cleaning

- User-friendly electrical control panel.
- All of panels, tracks and punches are easy to clean, assemble and disassemble.
- Meet PIC/S GMP standards.



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Optional model explanation

Handwheel adjusting machines

- Tablet hardness, thickness and weight adjustment: using handwheel adjustment device (digital meter display)
- See below the pictures



Forced feeding & fixed amount feeding machines

- Applicable to granules that have a bad fluidity or powders which need to be tableted.
- Driven by variable speed motor for easy assembly and disassembly.
- See the right picture.

Touch screen & PLC machines

- With cantilever and electrical control box panels.
- See the right picture.

OPTIONS

- Powder forced filling device
- Powder forced filling device + powder fixed amount offering device
- Deduster TCS-I
- Touch screen + PLC device
- Air pin breaker
- Various punches & dies specifications and sizes can be customized



©MODEL : TCS-HRT38BMP-SS
MMI, man-machine interface
operate & PLC