



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-HRT31A-SS TCS-HRT38B-SS TCS-HRT39B-SS**

FUNCTIONS

- Machine is ideal for making high hardness, high precision and large diameter round tablets as well as irregular shape (one-color) two-color tablets.
- Applicable to food, medicine, chemical, magnets & electronic components.

FEATURES

- Electrical control digital display meter adjusted device and button adjusted device are for adjustment in hardness, thickness and weight of pastilles.
- Can produce precise one layer and two layer tablets.
- With dual pressing wheel system: machine installs pre-pressing wheels and main-pressing wheels.
- The structures of two sets of pressing wheels are integrated casting to enhance the precision of pastilles.
- Tableting area separates from rotary gear to reduce noise (it is a split-type).
- The hardness and weight of tablets are adjusted by electrical control adjustment device.
- Upper thickness, medium thickness and lower thickness of two-color tablets are regulated by adjustment device.
- 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	HRT31A-SS	HRT38B-SS	HRT39B-SS
TABLET TYPE	ONE LAYER, TWO LAYER		
NUMBER OF STATION	31	38	39
PUNCH TYPE	D	D,S	D
MAX. DIA. OF TABLET	25 mm	18mm,20mm(caplet)	16 mm,19 mm (caplet)
DEPTH OF POWDER FILLING	2 ~ 19 mm		
ONE-LAYER TABLETS ,TWO OUTLETS PRODUCTION CAPACITY(TABLET/HR)	37,200 ~ 93,000	45,600 ~ 114,000	46,000 ~ 117,000
TWO-LAYER TABLETS. ONE OUTLET PRODUCTION CAPACITY (TABLET/HR)	18,600 ~ 46,500	22,800 ~ 57,000	23,000 ~ 58,500
RPM OF TURRET	10 ~ 25 RPM		
MAX. PRE-PRESSURE	12,000 KGS		
MAX. MAIN-PRESSURE	12,000 KGS		
OVERALL LENGHTS OF UPPER & LOWER PUNCHES	133.6 mm		
DIAMETERS OF UPPER & LOWER PUNCHES	31.8 mm, 25.4 mm	25.4 mm	
THICKNESS OF DIE	23.81 mm		
DIAMETER OF DIE	38.1 mm	32mm	30.16 mm
POWER	5 HP 6 pole, 7.5 HP 4 pole		
MACHINE SIZE (L x W x H)	1,160 x 1,060 x 1,980 mm		
PACKING SIZE (L x W x H)	1,350 x 1,300 x 2,300 mm		
MACHINE TOTAL WEIGHT	3,500 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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Features 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

- Double pressing wheels: has two sets; totally eight pieces of pre-pressing wheels and main-pressing wheels; it is applicable to special powders for producing pastilles.

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.





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Features explanation

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.

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.

Options

- Outer covering is clad by SUS #304 Stainless steel
- Powder forced filling device + powder fixed amount offering device
- Deduster TCS-1
- Touch screen + PLC device
- Air pin breaker
- Various punches & dies specifications and sizes can be customized



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