



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

台中市北區大仁街 81 號

81 Tajen St, N, Dist., Taichung, Taiwan

Tel:886-4-23227637 Email:shingtse@ms23.hinet.net Http:// www.shingtse.com

HIGH SPEED ROTARY TABLET MACHINE (ONE-LAYER TABLETS)
TCS-HRT16E-SS TCS-HRT20E-SS TCS-HRT24E-SS

FUNCTIONS

- Machine is ideal for making round and irregular shape tablets with high hardness, high precision and high production.
- Applicable to food, medicine, chemical, magnets & electronic components.

FEATURES

- Electrical control digital display meter adjusted device is for adjustment in hardness, thickness and weight of pastilles.
- 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).
- Large hopper and new three-phase feeding design for easily assembly and disassembly.
- 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.





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

台中市北區大仁街 81 號

81 Tajen St, N, Dist., Taichung, Taiwan

Tel:886-4-23227637 Email:shingtse@ms23.hinet.net Http:// www.shingtse.com

HIGH SPEED ROTARY TABLET MACHINE (ONE-LAYER TABLETS) TCS-HRT16E-SS TCS-HRT20E-SS TCS-HRT24E-SS

SPECIFICATION

SPEC /MODEL	HRT16E-SS	HRT20E-SS	HRT24E-SS
TABLET TYPE	ONE LAYER		
NUMBER OF STATION	16	20	24
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		
PRODUCTION CAPACITY (TABLET/HR)	17,000 ~ 46,000	21,500 ~ 57,600	25,900 ~ 69,000
RPM OF TURRET	18 ~ 48 RPM		
MAX. MAIN-PRESSURE	10,000 KGS		
MAX. PRE-PRESSURE	3,100 KGS		
OVERALL LENGHTS OF UPPER & LOWER PUNCHES	133.35 mm, 133.6 mm		
DIAMETERS OF UPPER & LOWER PUNCHES	31.8 mm, 25.4 mm	25.4 mm, 19 mm	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	2 HP 6 pole , 3 HP 4 pole		
MACHINE SIZE (L x W x H)	940 x 950 x 1,950 mm		
PACKING SIZE (L x W x H)	1,100 x 1,100 x 2,100 mm		
MACHINE TOTAL WEIGHT	1,300 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.



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

台中市北區大仁街 81 號

81 Tajen St, N, Dist., Taichung, Taiwan

Tel:886-4-23227637 Email:shingtse@ms23.hinet.net Http:// www.shingtse.com

High Speed Rotary Tablet Machine

TCS-HRT16E-SS TCS-HRT20E-SS TCS-HRT24E-SS

Feature explanation

Pre- & Main -pressures 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.

Integrated double pressing system

- Double pressing wheels: two sets of pre-pressing wheels and main-pressing wheels, it is applicable to special powders for producing pastille. (see the right picture)
- Two sets of pressing wheel structures: integrated casting (non-pillar type) to reduce the noise when tablets are made and also enhance the precision of tablets. (see the right picture)



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 has hard chrome plated surface treatment.
- Each turret 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 punches install an oil seal to prevent the tablets from the oil sludge pollution.
- Upper punches equip with the safety device to stop machine automatically when it is stuck; lower punches have the 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.



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

台中市北區大仁街 81 號

81 Tajen St, N, Dist., Taichung, Taiwan

Tel:886-4-23227637 Email:shingtse@ms23.hinet.net Http:// www.shingtse.com

High Speed Rotary Tablet Machine

TCS-HRT16E-SS TCS-HRT20E-SS TCS-HRT24E-SS

Feature explanation

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

- Machine exterior and interior tableting areas are clad by stainless steel#304 or have the hard chrome treatment.
- User-friendly electrical control panel.
- Equip with the tablet counter, machine working timer and electrical appliance safety device.
- All of panels, tracks and punches are easy to clean, assemble and disassemble.
- Meet PIC/S GMP standards.

Optional model explanation:

Hand wheel adjusting machines

- Tablet hardness, thickness and weight adjustment: using handwheel adjustment device (digital meter display).

Forced feeding & Powder 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.

Options

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

