THE KAITEKI COMPANY
Mitsubishi Chemical Holdings Group

TABLET IMPRINTING MACHINE

Q I - 3 0 0

Qualicaps Engineered to perform

TABLET IMPRINTING MACHINE

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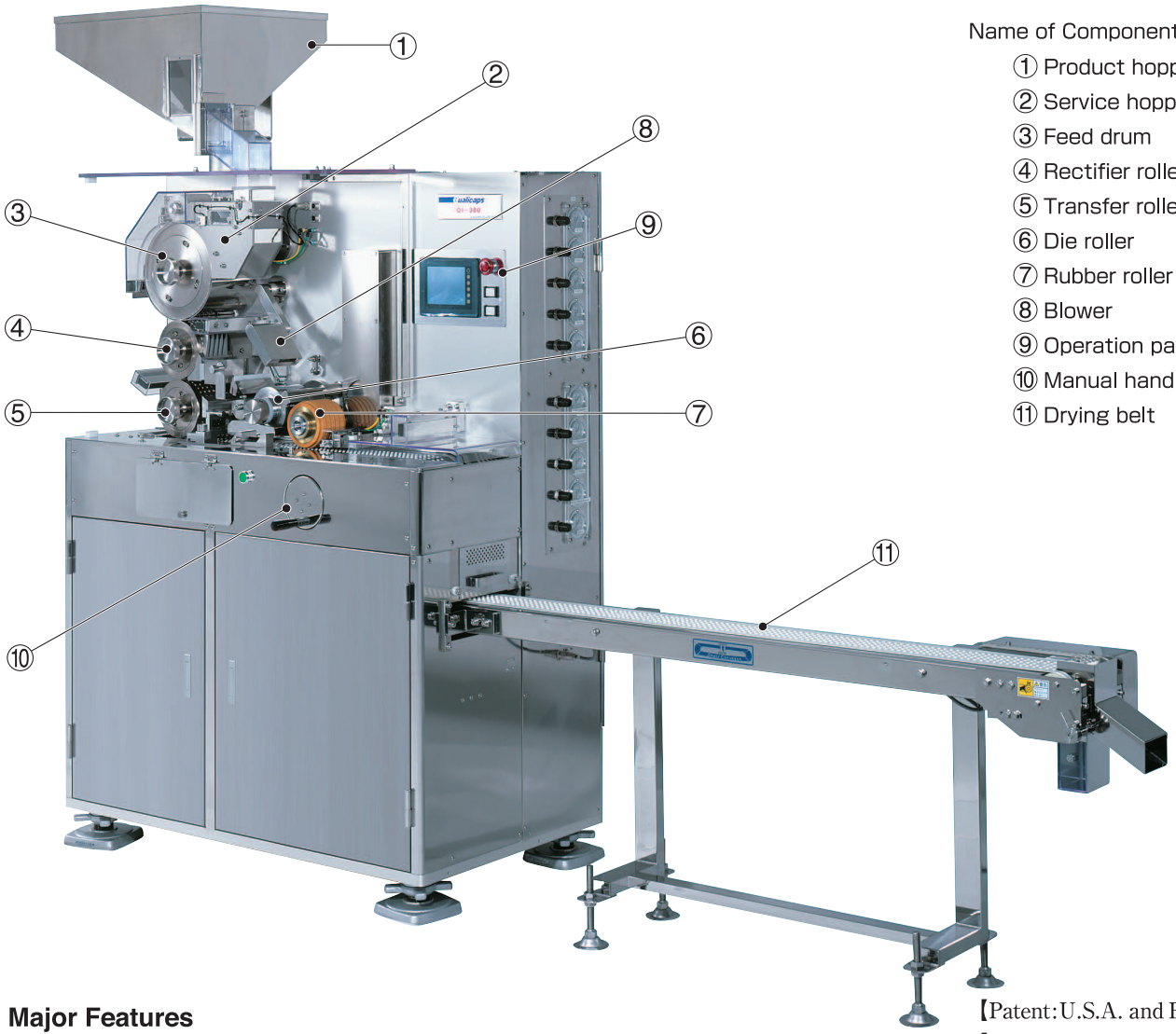
Our company offers pharmaceuticals-related high-quality machines to satisfy the individual demand of the user.
We have joined a new model in the tablet-imprinting machine family already enjoying a high reputation among our users both home and abroad. The dimensions and weight of this new model are minimized by limiting functions to the minimum requirements of a tablet-imprinting machine to maintain its original printing quality.



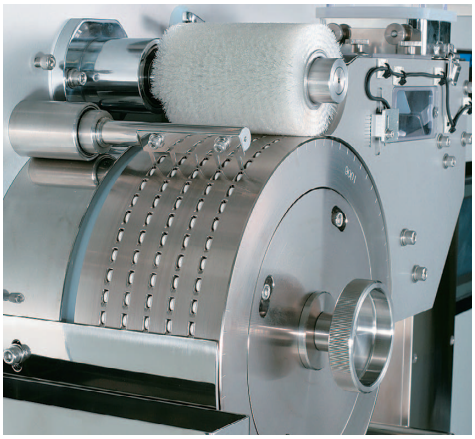
Name of Components :
① Product hopper
② Service hopper
③ Feed drum
④ Rectifier roller
⑤ Transfer roller
⑥ Die roller
⑦ Rubber roller
⑧ Blower
⑨ Operation panel
⑩ Manual handle
⑪ Drying belt

【Patent:U.S.A. and EP】
【Patent pending:Japan】

Major Features

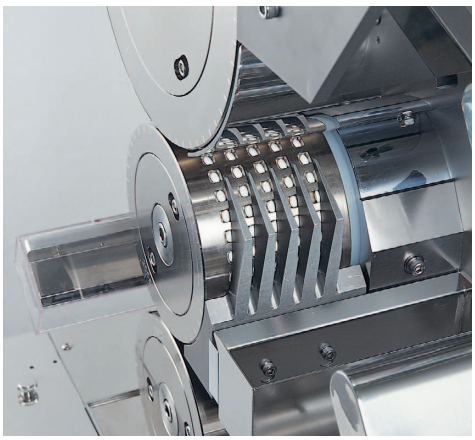
- Reasonable price
- Compact design incorporating a control panel into the main unit
- Compact, yet high in processing performance (a capability of 300,000 tablets/hour is achievable in the case of round standard tablets)
- High processing efficiency offered by compact machine components
- High quality and excellent processing capability with a high rate of supply of tablets
- High-quality printing with a horizontal imprinting scheme
- Machine structure consisting of GMP-compliant materials
- Prevention of fouling with ink by aligned-tablet conveyance with a drying belt

Structure and Features



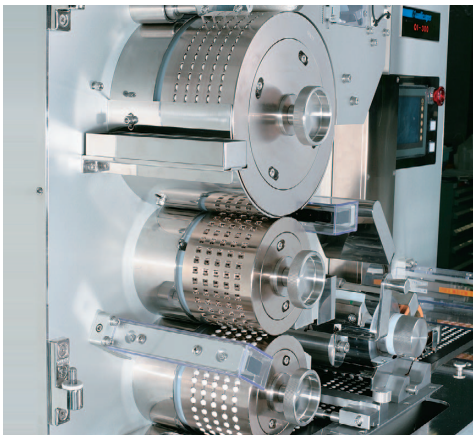
❶ Vertical Supply

The machine uses our original vertical supply pocket scheme.
Thus, a stable rate of supply can be obtained and non-uniform printing due to the presence of missing tablets can be prevented.
【Patent: Japan, U.S.A., and EP】



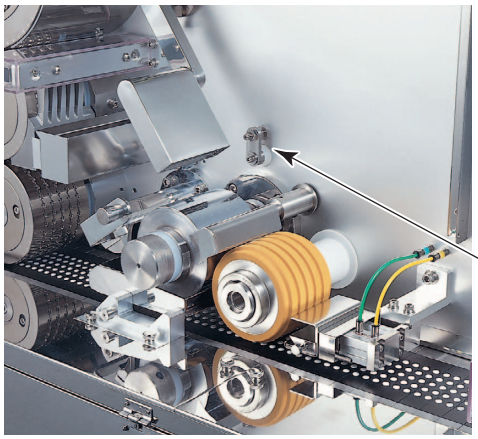
❷ Correction of orientation

Tablets that have been transferred vertically from the feed drum are corrected by guides to horizontal orientation.
The use of the appropriate guides also allows the orientation of non-round tablets to be corrected without a problem.



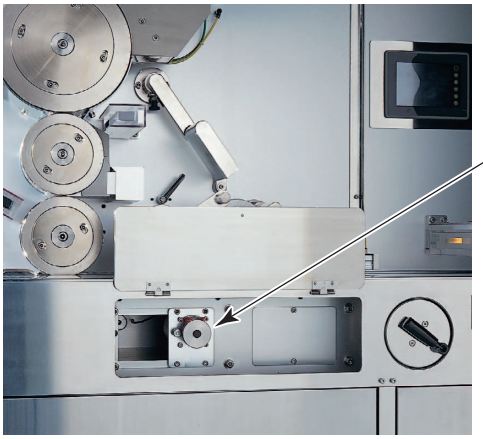
❸ Transfer roller

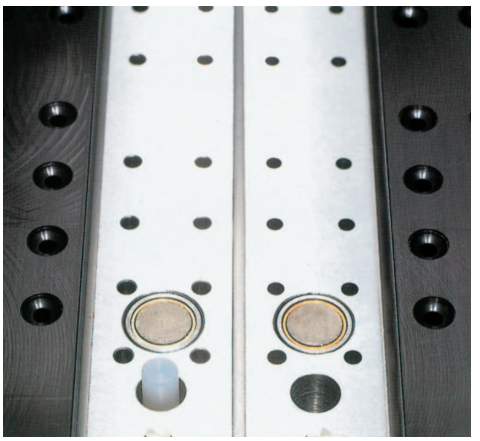
This roller transfers orientation-corrected tablets to printing slats while maintaining the tablets horizontally.



❹ Conveyance and Printing

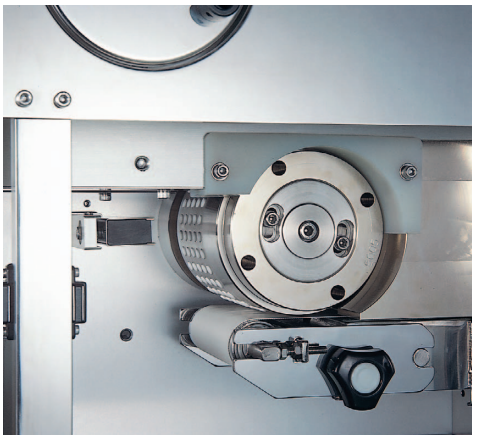
A slat-based horizontal conveyance method agreeable to the particular shape of the tablets is employed to ensure stable transfer and high print quality. The printing position for the tablets can be adjusted easily by operating the required knob and/or adjusting the position of the nut.





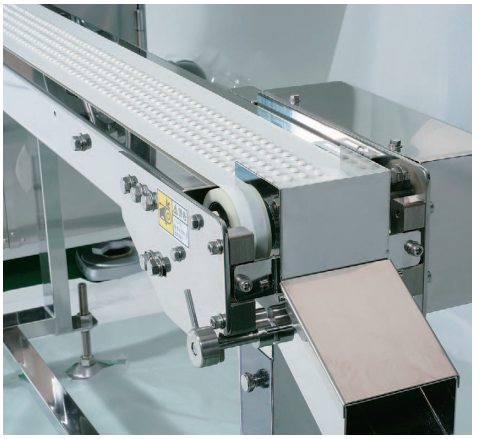
❺ Slat Mounting/Removal

The single-touch method that uses permanent magnets and air cylinders minimizes the time required for replacement of slats during tablet type changing or during cleaning.
【Patent pending: Japan】



❻ Inversion roller

Printed tablets are removed from the slats by the inversion roller and then transferred onto the drying belt.

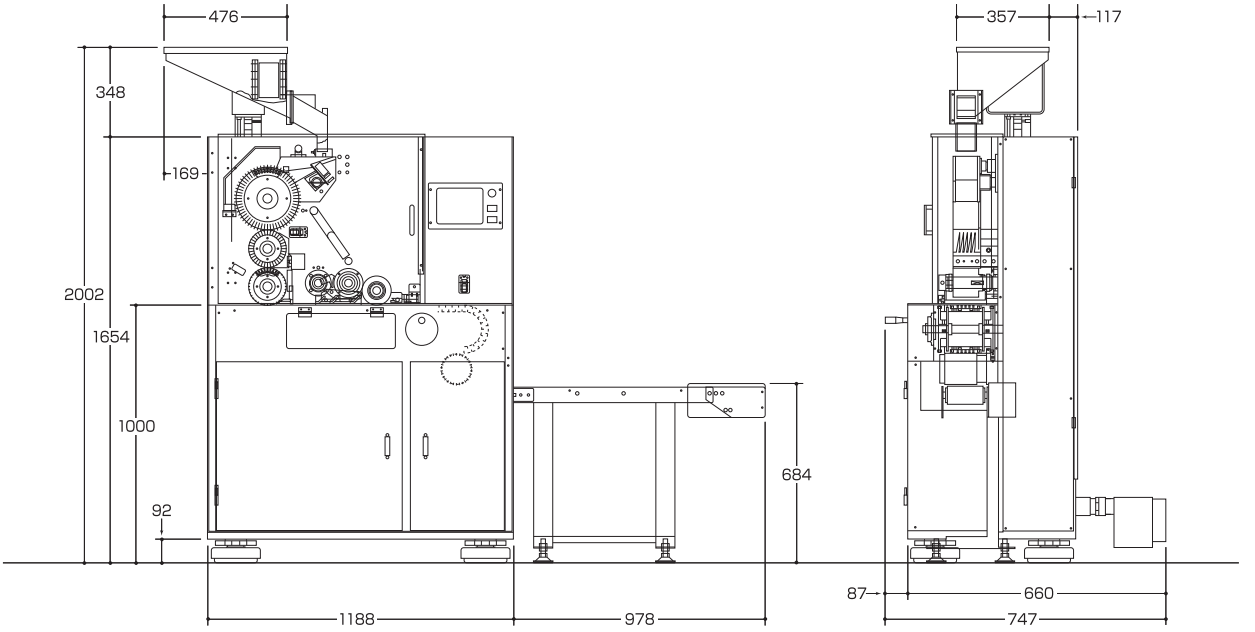


❼ Drying belt

Since tablets are conveyed in aligned form, their fouling with ink due to contact between them can be prevented.

❽ The control panel is contained in the main unit.

Dimensional Diagram



Specifications

- Dimensions: 2,200 mm wide (drying belt included) × 2,000 mm high (hopper included) × 750 mm deep
- Minimum installation area: 3.5 m wide × 2.5 m deep
- Weight: Approx. 1,000 kg
- Processing capability: 250,000～300,000 tablets/hour (for standard round tablets)
- Applicable tablets: Sugar-coated and film-coated tablets 5.0～10.5 mm across and 2.5～5.0 mm thick (please contact us for special sizes)
- Printing: Single-sided
- Utilities
  - Power source : 3 phase AC220, 380/400/440V, 50/60 Hz, 1.5 kVA
  - Vacuum : 20 kPa (2,000 mmH_2O), 4.5 m^3/min
  - Compressed air : 0.5 MPa (5 kgf/cm^2 G), 300 L/min (normal)

GLOBAL NETWORK

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