

DATA SHEET

COUNTER

Ref : 2294

Type : COUNTER
Brand : COUNTEC
Model : CM-16S
Serial N° :
Year : 2025
Quantity : 1
Overall dimensions : 2.20 x 1.45 x 2.00 M
Weight : 550 Kg



// NEW AUTOMATIC COUNTER: 16 channels

Description:

Operational principle:

- Product is loaded into the machine hopper
- Low product level sensor
- Stepped vibrating trays control the product feed along the tablet feeding guides to the counting head assembly.
- Tablets are counted electronically as they fall through the sensor head assembly.
- Counting is processed by sealed infrared sensors.
- Once the tablet count is reached, the filled container is released from the funnel area
- The counted tablets for the next container are accumulated in the tablet guide by sequenced shutter gate movement while bottle change over occurs.

Machine consisting:

- Hopper level control with lamp alarm and visual message
- 12 channel product feeder with 3 steps vibratory trays
- Superior infrared sensor system synchronized with electronic program
- Servo shutter system
- Omron PLC with Pro-Face touch screen control
- Easy programming of recipes with 100 product memory
- Diagnostics - no bottle/bus, low air etc.
- Motorized height control
- Sequenced shutter opening
- Sensor delay feature
- Fast shutter operation
- Vibrator speed variation function
- Built-In up/down funnel vibrator to prevent bottle jamming

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Description:

- All product contact parts are made of SS AISI 316 L
- Product non-contact parts are made of SS AISI 304
- Compact design giving better operator vision
- FDA approved Anti-static tablet guides
- Enclosed sensor with dust-resist glass
- Enclosed vibrator with dust-tight seals
- Pneumatic tray clamps
- Perforated tray for vacuum efficiency
- Quick change over and strip down without tool
- Easy cleaning procedure
- Reject station and gating system
- Container reject on start-up, sensor error etc.
- Sanitary single lane conveyor
- Gating and synchronization
- Adjustable conveyor guide
- No bottle/fallen bottle stop machine sensor, auto restart
- No bottle/back up control sensor, stop machine and auto restart
- Quite operation
- Bottle counter on touch screen
- Counting speed indicator
- Lamp/emergency stop
- 7 funnel sizes included (15mm/20mm/25mm/30mm/35mm/40mm/45mm)

Capacity:

Machine speed is subject to product size and bottle neck diameter.

- Counting speed: 6,000 tablets per minute (Based on dia. 8mm tablet)
- Counting range: 5-32,000 tablet/capsule/container

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Description:

- Counting accuracy: 100% (based on correct parameter setting)
- Product size:
 - Tablet 3 – 30mm diameter (20 -30mm diameter is available with an optional item)
 - Capsule size # 000 - #5
- Hopper capacity: 25 liters
- Bottle diameter range: 25 - 120 mm
- ** This machine can handle up to dia. 135mm by machine modification with extra charge.
- ** The bottle sample checking is mandatory
- Bottle height range: 40 - 200 mm
- ** Any bottle size out of above standard range has to be checked the samples by COUNTEC.
- Product memory: 100 kinds of products

Specification:

- Electricity supply: 220V, 1 phase, 50/60 Hz
- If the utility power supply is higher than 220V, a transformer must be used.
- Power consumption: 912W
- Compressed air: 6 kg/cm2
- Air consumption: 10 liters per minute
- Vacuum required: 2 HP

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Video link

<https://www.youtube.com/embed/IBzV6OJC04Y?si=7ATlgyKD2hSRoUsc> title="YouTube video player"

