

Tablet / Capsule

# COUNTING MACHINE



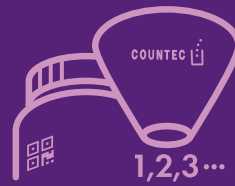
## Leading in Bottle Packaging

Overall



5,000<sup>+</sup>

Counter



1,500<sup>+</sup>

Country



70<sup>+</sup>

History



45<sup>+</sup>

# INNOVATION

Excellence in Filling Since 1978

First production counter,  
**DW-6** first delivery

Launched  
**DMC** series counter

**DMC** series twin funnel  
type development

**Weight checker**  
development

**High speed counter**  
development

**COVISS** (tablet/capsule vision inspection)  
development and release

Launched vision inspection counter  
**VICOB**

Launched vision inspection counter  
**VIC-55**



PRESENT

FUTURE

TABLET / CAPSULE COUNTER

# THE CORE

DMC-120

DMC-120T

DMC-60S

DMC-60T

DMC-4C

DMC-4T

DMC-4

DMC-CQ2

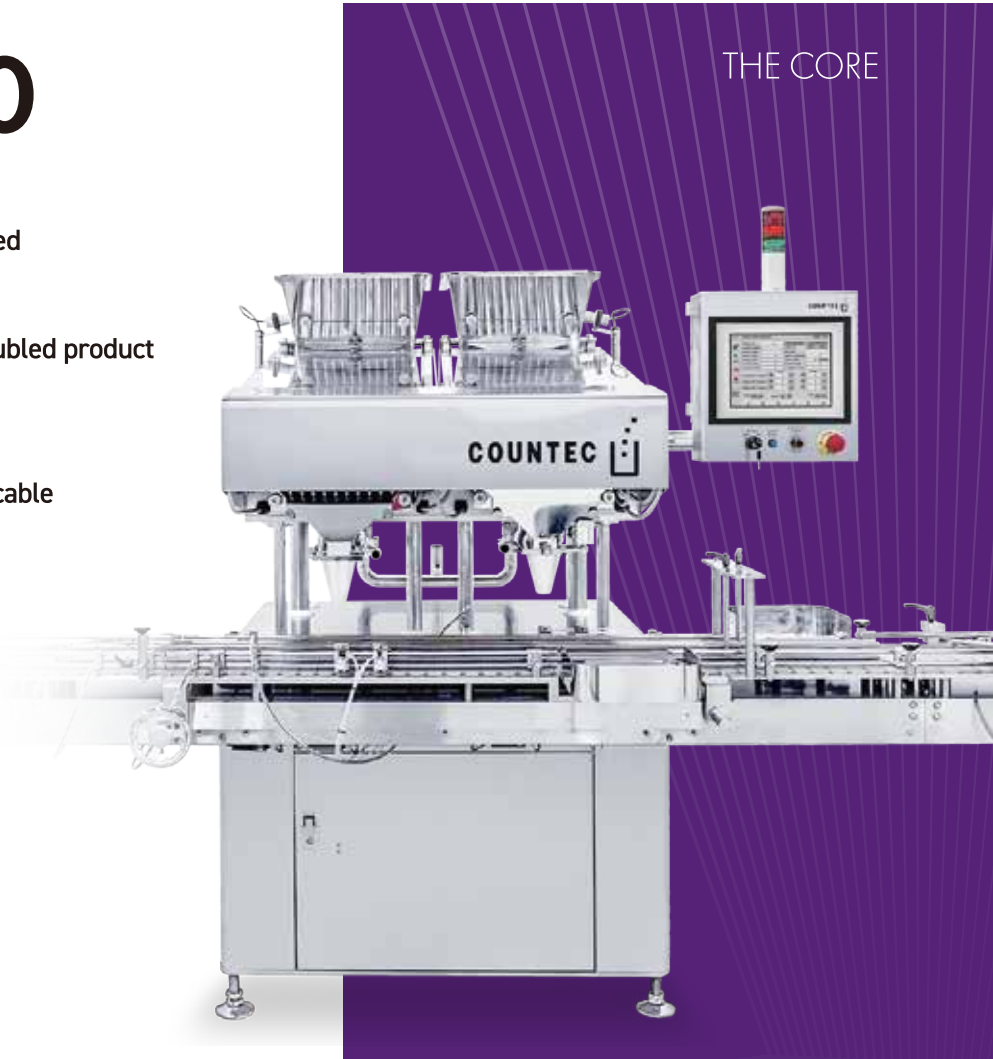
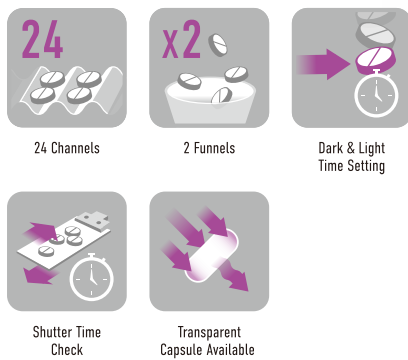


# 01

## Tablet / Capsule Counter

# DMC-120

- Accurate counting by overlapped tablet/capsule detection
- Container reject system for doubled product
- 21 CFR Part11 applicable
- Vision inspection system applicable



### SPECIFICATION

Output	Up to 90bottles/min based on 6mm round 100T and 30mm bottle neck
Product Size	Tablet size: Dia. 3~20mm (up to Dia.28mm as an option) / Thickness 1.8mm Capsule size: #00 ~ #5
Container Size	Dia. 30~100mm, Height 40~200mm
Dimension	Approx. 3,300(L) x 1,560(W) x 2,000(H) mm
Weight	Approx. 950Kg
Hopper Volume	Approx. 25L (Each, 2Nos)

### UTILITY

Electric Power	220V, 1Ph, 50/60Hz, 1.5kW/h
Compressed Air	0.5~0.7MPa, 24L/min



## Tablet / Capsule Counter

# DMC-120T

- Accurate counting by overlapped tablet/capsule detection
- Container reject system for doubled product
- 21 CFR Part11 applicable
- Vision inspection system applicable



24 Channels



4 Funnels



Dark & Light Time Setting



Shutter Time Check



Transparent Capsule Available



### SPECIFICATION

Output	Up to 150bottles/min based on 6mm round 30T and 30mm bottle neck
Product Size	Tablet size: Dia. 3~20mm (up to Dia.28mm as an option) / Thickness 1.8mm Capsule size: #00 ~ #5
Container Size	Dia. 30~100mm, Height 40~200mm
Dimension	Approx. 4,065(L) x 1,990(W) x 2,000(H) mm
Weight	Approx. 950Kg
Hopper Volume	Approx. 25L (Each, 2Nos)

### UTILITY

Electric Power	220V, 1Ph, 50/60Hz, 2.0kW/h
Compressed Air	0.5~0.7MPa, 31L/min

## Tablet / Capsule Counter

# DMC-60S

- Accurate counting by overlapped tablet/capsule detection
- Container reject system for doubled product
- 21 CFR Part11 applicable
- Vision inspection system applicable



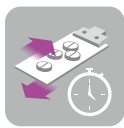
12 Channels



Single Funnel



Dark & Light Time Setting



Shutter Time Check



Transparent Capsule Available



### SPECIFICATION

Output	Up to 45bottles/min based on 6mm round 100T and 30mm bottle neck
Product Size	Tablet size: Dia. 3~20mm (up to Dia.28mm as an option) / Thickness 1.8mm Capsule size: #00 ~ #5
Container Size	Dia. 30~100mm, Height 40~200mm
Dimension	Approx. 1,800(L) x 1,490(W) x 1,875(H) mm
Weight	Approx. 600Kg
Hopper Volume	Approx. 25L

### UTILITY

Electric Power	220V, 1Ph, 50/60Hz, 0.8kW/h
Compressed Air	0.5~0.7MPa, 10L/min



## Tablet / Capsule Counter

# DMC-60T

- Accurate counting by overlapped tablet/capsule detection
- Container reject system for doubled product
- 21 CFR Part11 applicable
- Vision inspection system applicable



12 Channels



2 Funnels



Dark & Light Time Setting



Shutter Time Check



Transparent Capsule Available



THE CORE

### SPECIFICATION

Output	Up to 75bottles/min based on 6mm round 30T and 30mm bottle neck
Product Size	Tablet size: Dia. 3~20mm (up to Dia.28mm as an option) / Thickness 1.8mm Capsule size: #00 ~ #5
Container Size	Dia. 30~100mm, Height 40~200mm
Dimension	Approx. 2,600(L) x 1,510(W) x 1,875(H) mm
Weight	Approx. 600Kg
Hopper Volume	Approx. 25L

### UTILITY

Electric Power	220V, 1Ph, 50/60Hz, 0.9kW/h
Compressed Air	0.5~0.7MPa, 12L/min

## Tablet / Capsule Counter

# DMC-4C

- Accurate counting by overlapped tablet/capsule detection
- Container reject system for doubled product



4 Channels



Single Funnel



Dark & Light Time Setting



Transparent Capsule Available



THE CORE

### SPECIFICATION

Output	Up to 15bottles/min based on 6mm round 100T and 30mm bottle neck
Product Size	Tablet size: Dia. 3~20mm (up to Dia.28mm as an option) / Thickness 1.8mm Capsule size: #00 ~ #5
Container Size	Dia. 30~100mm, Height 40~200mm
Dimension	Approx. 1,800(L) x 1,265(W) x 1,790(H) mm
Weight	Approx. 280Kg
Hopper Volume	Approx. 15L

### UTILITY

Electric Power	220V, 1Ph, 50/60Hz, 0.8kW/h
Compressed Air	0.5~0.7MPa, 3L/min

## Tablet / Capsule Counter

# DMC-4T

- Accurate counting by overlapped tablet/capsule detection
- Container reject system for doubled product



4 X 2 Channels



2 Funnels



Dark & Light Time Setting



Transparent Capsule Available



THE CORE

### SPECIFICATION

Output	Up to 30bottles/min based on 6mm round 100T and 30mm bottle neck
Product Size	Tablet size: Dia. 3~20mm (up to Dia.28mm as an option) / Thickness 1.8mm Capsule size: #00 ~ #5
Container Size	Dia. 30~100mm, Height 40~200mm
Dimension	Approx. 2,800(L) x 1,430(W) x 1,935(H) mm
Weight	Approx. 500Kg
Hopper Volume	Approx. 15L (Each, 2Nos)

### UTILITY

Electric Power	220V, 1Ph, 50/60Hz, 1.5kW/h
Compressed Air	0.5~0.7MPa, 6L/min

## Tablet / Capsule Counter

# DMC-4

- Accurate counting by overlapped tablet/capsule detection
- Semi-automatic machine with user friendly function



4 Channels



2 Funnels



Dark & Light Time Setting



Transparent Capsule Available



THE CORE

### SPECIFICATION

Output	Up to 15bottles/min based on 6mm round 100T and 30mm bottle neck
Product Size	Tablet size: Dia. 3~20mm (up to Dia.28mm as an option) / Thickness 1.8mm Capsule size: #00 ~ #5
Container Size	Dia. 30~100mm, Height 40~200mm
Dimension	Approx. 763(L) x 1,265(W) x 936(H) mm
Weight	Approx. 80Kg
Hopper Volume	Approx. 15L

### UTILITY

Electric Power	220V, 1Ph, 50/60Hz, 0.16kW/h
Compressed Air	0.5~0.7MPa, 1.4L/min

## Verification Counter

# DMC-CQ2

- Ideal for QC/QA personnel to replace visual count verification
- A printer for batch report built into the machine



2 Channels



Single Funnel



Dark & Light Time Setting



Transparent Capsule Available



THE CORE

### SPECIFICATION

Output	N/A
Product Size	Tablet size: Dia. 3~20mm (up to Dia.28mm as an option) / Thickness 1.8mm Capsule size: #00 ~ #5
Container Size	Dia. 30~100mm, Height 40~200mm
Dimension	Approx. 590(L) x 220(W) x 520(H) mm *Table-top type: 1375(H)mm
Weight	Approx. 55Kg
Hopper Volume	Approx. 1.5L

### UTILITY

Electric Power	220V, 1Ph, 50/60Hz, 0.06kW/h
Compressed Air	N/A



TABLET / CAPSULE COUNTER

# THE SPEED

DMC-200S

DMC-300



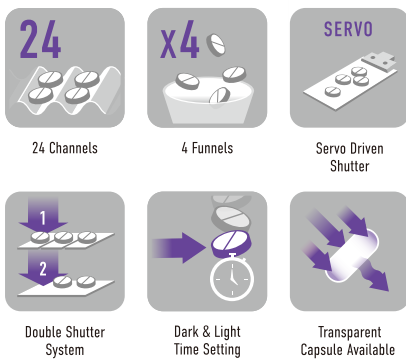


02

## Servo Type High Speed Counter

# DMC-200S

- Stable feeding control
- Easy to clean & change over
- Low noise
- Economical maintenance
- 21 CFR Part11 applicable



### SPECIFICATION

Output	Up to 180bottles/min based on 6mm round 30T and 30mm bottle neck
Product Size	Tablet size: Dia. 3~20mm / Thickness 1.8mm Capsule size: #00 ~ #5
Container Size	Dia. 30~100mm, Height 40~200mm
Dimension	Approx. 3,500(L) x 2,011(W) x 2,062(H) mm
Weight	Approx. 2,000Kg
Hopper Volume	Approx. 20L (Each, 2Nos)

### UTILITY

Electric Power	220V, 3Ph, 60Hz, 8kW/h
Compressed Air	0.5~0.7Mpa, 50L / min

## High Speed Counter

# DMC-300

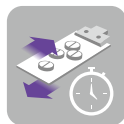
- Accurate counting by overlapped tablet/capsule detection
- Container reject system for doubled product
- 21 CFR Part11 applicable



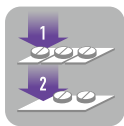
36 Channels



6 Funnels



Shutter Time Check



Double Shutter System



Dark & Light Time Setting



Transparent Capsule Available



THE SPEED

### SPECIFICATION

Output	Up to 260bottles/min based on 6mm round 30T and 30mm bottle neck
Product Size	Tablet size: Dia. 3~20mm / Thickness 1.8mm Capsule size: #00 ~ #5
Container Size	Dia. 30~100mm, Height 40~200mm
Dimension	Approx. 5,800(L) x 2,120(W) x 1,990(H) mm
Weight	Approx. 2,000Kg
Hopper Volume	Approx. 105L (Each, 2Nos)

### UTILITY

Electric Power	220V, 3Ph, 60Hz, 5kW/h
Compressed Air	0.5~0.7Mpa, 247L /min



TABLET / CAPSULE COUNTER

# THE VISION

VIC-55

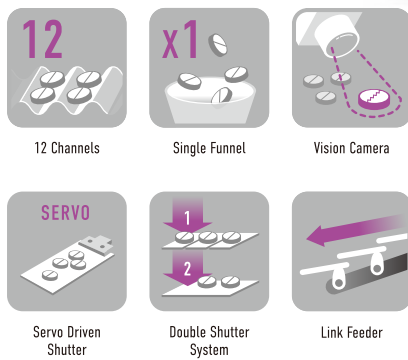




## Vision Inspection Counter

# VIC-55

- Combines the functions of counting with vision inspection
- Efficient reject system
- Servo motor control
- High tech design & advanced structure
- 21 CFR Part11 applicable



THE VISION

### SPECIFICATION

Output	Up to 55bottles/min based on 6mm round 100T and 30mm bottle neck
Product Size	Tablet size: Dia. 3~20mm / Thickness 1.8mm Capsule size: #00 ~ #5
Container Size	Dia. 30~100mm, Height 40~200mm
Dimension	Approx. 1,500(L) x 1,525(W) x 2,000(H) mm
Weight	Approx. 800Kg
Hopper Volume	Approx. 23L

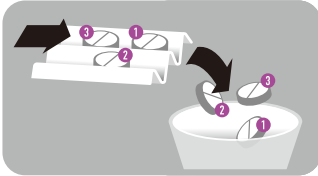
### UTILITY

Electric Power	220V, 3Ph, 60Hz, 8kW/h
Compressed Air	0.5~0.7Mpa, 1L/min



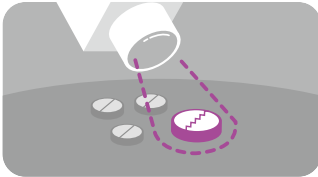
## INSPECTION SPECIFICATION

Inspection Features	Foreign color & Foreign size (Different shape, Broken tablet)
Deviation Range	Teaching based deviation control / Color: Up to 10%, Size: Up to 15%



### Counting Verification System

High accuracy is ensured by the upper cameras for the first counting and the lower cameras for the counting verification.



### Foreign Product Detection

Foreign product detection by dedicated cameras based on auto teaching color and size of normal product.



### Single Rejection

Not slow down of counting speed by single tablet rejection instead of bottle rejection.



### Servo Driven Shutter

By servo driven shutter, the noise is greatly reduced and the maintenance period is extended.



TARE & GROSS

# WEIGHT CHECKER

WC/2WC

SWC



04

## Tare & Gross Weight Checker

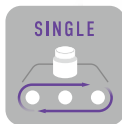
# WC / 2WC

- Install at infeed and outfeed of the counting machine
- Container reject system
- 21 CFR Part11 applicable

### WC



2 Scales

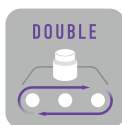


Single Lane

### 2WC



4 Scales



Double Lane



SPECIFICATION	Output	WC	2WC
			Up to 40bottles/min
	Read Ability	0.6s / ±1mg	
	Weight Range	0.01~500g	
	Container Size	Dia. 30~85mm, Height 40~200mm	
	Dimension	Approx. 3,400(L) x 740(W) x 1,850(H) mm	Approx. 5,100(L) x 850(W) x 1,850(H) mm
	Weight	Approx. 800Kg	Approx. 900Kg
UTILITY	Electric Power	220V, 1Ph, 50/60Hz, 1.1kW/h	220V, 1Ph, 50/60Hz, 1.98kW/h
	Compressed Air	0.5~0.7MPa, 13.5L/min	0.5~0.7MPa, 30L/min

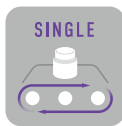
## Rotary Type Tare & Gross Weight Checker

# SWC

- Install at infeed and outfeed of the counting machine
- Container reject system for verification
- 21 CFR Part11 applicable



2 Scales



Single Lane



SPECIFICATION	Output	Up to 40bottles/min based on 8mm round 100T and 30mm bottle neck
	Read Ability	0.6s/±1mg
	Weight Range	0.01~500g
	Container Size	Dia. 30~75mm, Height 40~200mm
	Dimension	Approx. 2,500(L) x 560(W) x 1,870(H) mm
	Weight	Approx. 500Kg
UTILITY		
	Electric Power	220V, 1Ph, 50/60Hz, 1.2kW/h
	Compressed Air	0.5~0.7MPa, 6L/min





# VISION INSPECTION SYSTEM

COVSS-VI





05

## Countec Vision Inspection System

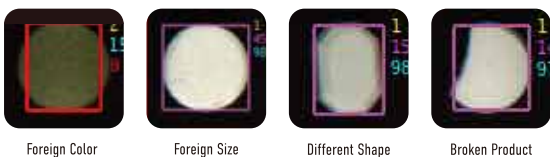
# COVISS-VI

VISION  
INSPECTION  
SYSTEM

- Auto teaching process
- Compliance with 21 CFR Part11
- Reject control system (2 types)
  - Manually remove defective product
  - Automatic bottle rejection



### Inspection Features



Foreign Color

Foreign Size

Different Shape

Broken Product

<b>SPECIFICATION</b>	Camera Resolution	2,000 by 1,000 (2M pixel)
	Camera Frame Rate	30 fps
	LED Light	6,400K
<b>DEVIATION RANGE*</b>	<b>*Teaching based size &amp; color deviation control</b>	
	Size	Length up to 5%, Width & Area up to 10%
	Color	Up to 10%



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### Teaching

Set-up and ready to use in 5 minutes COVISS system automatically collects data to detect product



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### Analysis

Calibrate and analyze color & size data based on teaching process



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### Tracking

Each product is tracked based on color & size analysis data



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### Inspection

Color score / Color defect / Size difference inspection



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### Decision

Makes final decision by comparing tracking data with analysis data







TABLET / CAPSULE

# LIFTER

TL-60/120/200/300

# 06

## Tablet / Capsule Lifter

# TL-60/120/200/300

- Automatic tablet/capsule supplying



### TL-60/120 SPECIFICATION

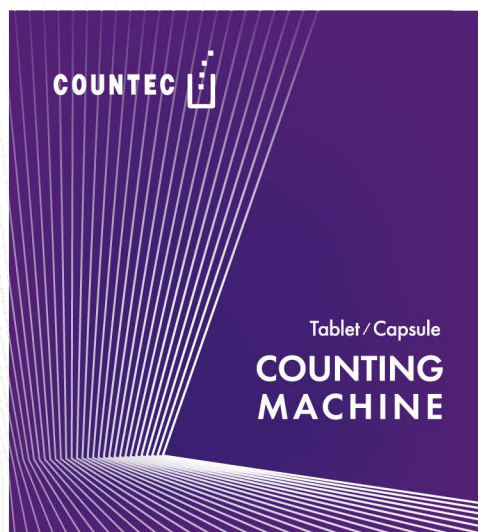
Hopper Volume	Approx. 130L
Dimension	Approx. 1,590(L) x 1,135(W) x 2,645(H) mm
Weight	Approx. 500Kg

### TL-200/300 SPECIFICATION

Hopper Volume	Approx. 190L
Dimension	Approx. 1,590(L) x 1,910(W) x 3,000(H) mm
Weight	Approx. 550Kg

### UTILITY

Electric Power	220V, 1Ph, 50/60Hz
Compressed Air	0.5~0.7MPa



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