

# CAPPLUS TECHNOLOGIES

## RAPID™ CHANNEL COUNTERS

12 - 30 PRODUCT FEEDING CHANNELS

1 - 8 BOTTLE FILLING LANES

SPEEDS UP TO 275 CPM

DUST PROOF, CHANNEL/BOTTLING MACHINES FOR CAPSULES, SOFTGELS, TABLETS, CANDIES AND PARTS

### FEATURING TWO BOTTLE FEED DESIGNS:

#### “Right Angle” (Counter Forms a “Right Angle” to the Conveyor)



In this photo the bottles enter from the left, are filled from a single drop and exit to the right.



Here the containers enter from the rear. A patented DIVY™ Bottle Handling System senses the bottle density in each lane and directs approaching bottles to the less dense lanes. Bottles continue in lanes under the feed assembly where they are filled by one product drop per lane (1-4 lanes) and exit at the front of the machine.

#### “In-Line” (Counter Turned Parallel to Conveyor)



In this version the count head is turned parallel to the conveyor. The containers approach from the left. They are distributed across a wide conveyor covering up to 8 lanes. A patented DIVY™ Bottle Handling System senses the bottle density in each lane and directs approaching bottles to the less dense lanes. Bottles continue in lanes under the feed assembly where they are filled by one product drop per lane (3-8 lanes). Filled bottles are conveyed away from the machine where they join a standard single lane conveyor.

### Key Benefits

#### Productivity:

By using the normally 'un-used' space below the product feed assembly to stage and fill bottles, *Rapid™* Channel Counters offer the greatest 'output per square foot of floor space' Vs. any other channel counter.

#### DIVY™ Bottle Handling System:

The multi-lane, multi-drop versions of the *Rapid™* Channel Counter employ a patented empty container control system to insure that incoming containers find a lane with the least number of bottles waiting to be filled. Acting like a traffic policeman for empty containers, the DIVY™ Bottle Handling System senses the collective container density in each lane and sends more containers to the lanes requiring more. This insures that there will always be a supply of empty containers to be filled, thereby maximizing the machine's filled container output. A camera is provided for operation monitoring.

#### Sensor Protection:

- *Rapid™* Channel Counters utilize a patented, positive pressure, dust blocking system which allows optical sensors to function accurately even when running extremely dusty products.
- A 'vertical' dust removal system helps to keep the operation environment clean.

#### Cleaning:

Easy disassembly and assembly with minimal tools for cleaning.

#### Counting Accuracy:

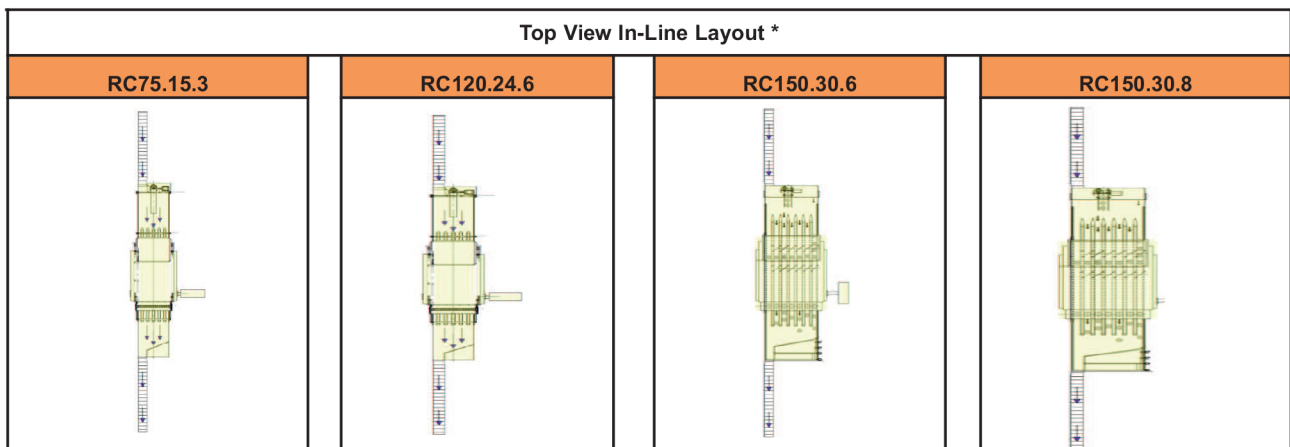
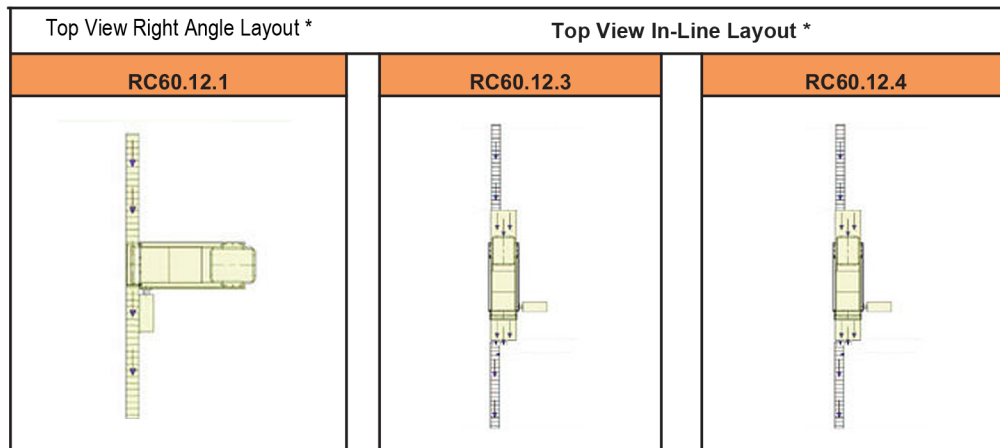
Modular cell design of sensors means individual sensors can be replaced instead of needing to replace the entire board. Each modular optical cell contains 12 sensors which guarantees count accuracy.

#### Operation:

- "No Container" and "Bottle Back-Up" sensors prevent product waste and production delays.
- Motorized Filling Head Lift controlled by the touch screen allows for easy adjustment to accommodate different container sizes.
- Machine automatically conducts 'self diagnosis' and reports errors found to the touch screen.
- All control elements are integrated on a Windows based 15" wide Active Matrix Touch Panel.

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Model		RC60.12.1	RC60.12.3	RC60.12.4	RC75.15.3	RC120.24.6	RC150.30.6	RC150.30.8
Number of Channels		12	12	12	15	24	30	30
Number of Filling Drops		1	3	4	3	6	6	8
Max Output (pieces/Min)		6,000	6,000	6,000	7,500	12,000	15,000	15,000
Max Output (CPM)		60	125	135	160	250	250	275
Power		Standard: 220V - 60Hz - 3 Ph						
		1 KW	1 KW	1 KW	1.2 KW	1.5 KW	2 KW	2 KW
Compressed Air		6 - 7 Kg/Cm <sup>2</sup> , 120 L/Min.						
Dimensions (mm)	W	2,000	2,000	2,000	3,000	3,000	3,000	3,000
	D	1,280	1,280	1,280	1,280	1,280	1,280	1,280
	H	1,990	1,990	1,990	1,990	1,990	1,990	1,990
Est. Weight (kg)		600	700	700	750	950	1,200	1,200



\* Shaded area indicates equipment included with counter