

# Simple, Reliable, Affordable “Table Top” Tablet Counting/Bottle Filling Machines

## Description

The *TC1* and *TC2* machines are designed to accurately count tablets, capsules and similar products, and put them into bottles at medium production rates.

The *TC1* has a 16" diameter rim and turntable. The *TC2* has a 20" diameter rim and turntable. The *TC2* handles all products a little better and will reliably count at faster speeds than the smaller *TC1*. *TC2* is specifically recommended for long or large diameter products. Both models feature quick, easy, no-change-parts adaptation to different shaped products. Tools are not required for machine clean-up between production runs. *TC1-R* has the counting head located at the right end of the machine. *TC1-L* has the counting head at the left end. *TCA1* has the AGS option installed.

## Operation (using tablets as an example)

Up to 10,000 tablets are loaded into the bulk hopper. A vibrating feed pan, located below the hopper, carries a controlled flow of product to a glass turntable. The operator adjusts the vibrator and turntable speed to suit filling conditions. Dust and product chips fall through a perforated (sieve) plate located in the bottom of the vibrating pan, into a chip container. Tablets are delivered to the turntable evenly spread out and aligned to enter the guide channel in single file. Guides direct the tablets to the turntable edge where they drop off, passing through a photoelectric scanner, into the diverting/filler head. The scanner detects each individual tablet, producing a count that is accumulated until it reaches a preset total, at which time the diverter head switches the tablet flow to the opposite filling station. Filled bottles are replaced with empty bottles while the opposite filling station is active.

## Options

**AGS option-Air Guide System** directs low pressure air through the guide assembly to align product and prevent blockage in guide channel.

**AF option Automatic Feeder** circuit controls vibrator operation. Feeder is off if there is excessive product accumulation on turntable. Feeder is on when accumulation is depleted.



*Model TCA2-R*

- ★ *Stainless steel construction*
- ★ *No change parts required for different products*
- ★ *Photoelectrically counts tablets, capsules, caplets, gelcaps (clear, opaque, hard or soft) and unusual shapes (children's vitamins, bath oil gelcaps)*
- ★ *Signal display panel indicates scanner performance*
- ★ *Special detection circuit accurately counts clear gelcaps*
- ★ *Continuous filling operation alternates between two filling stations*
- ★ *Count rates as high as 3000 tablets, 1500 capsules per minute*
- ★ *Product change clean-up requires no tools*
- ★ *Hopper extension (option) doubles hopper capacity*
- ★ *Chip-dust removal feature*
- ★ *Accommodates wide variety of bottle sizes-shapes*
- ★ *Prewired for conversion to full automation*
- ★ *2 Year warranty*

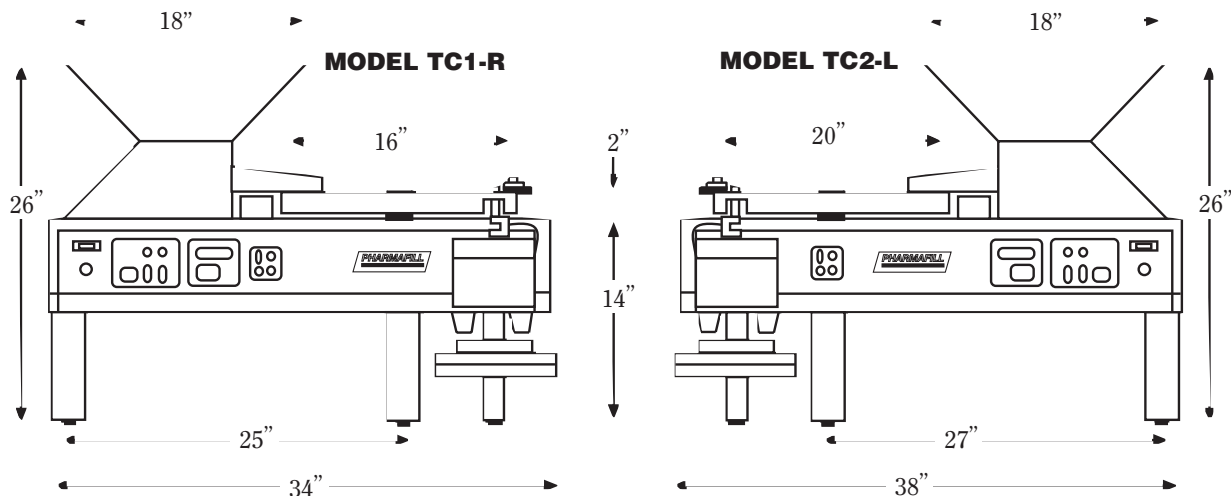
Designed and Manufactured in the USA by

**DEITZ™**  
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**MODELS TC1 AND TC2**

**SEMI AUTOMATIC BOTTLE FILLING SYSTEMS**



**Standard Equipment**

*TC1 has 16" rim & turntable*

*TC2 has 20" rim & turntable*

- ★ TC models can be ordered w/filling head to right (TC1-R) or left (TC1-L)
- ★ TCA models have AGS option factory installed
- ★ AGS option can be easily installed after original purchase
- ★ AS1 Air Supply available to use w/AGS option
- ★ 4 pairs filling funnels cover full range of common bottle openings
- ★ 2 chip sieve plates, large and small perforations
- ★ Plexiglass hopper cover
- ★ Plexiglass rim cover w/AGS option
- ★ Plastic machine storage cover
- ★ Bottle count totalizer records # of bottles filled
- ★ Tool kit

**Newest Features**

- ★ AGS and VF options
- ★ Belt driven turntable drive
- ★ SS1 scanner signal display panel
- ★ Head cover w/ side extensions (wings)
- ★ Rim position adjustment relocated for better access
- ★ Combined nozzle-manifold assembly

**Specifications**

**Weight-**

TC1 75 lbs. TC2 85 lbs.

**Electrical-**

115VAC-2 amps, w/AS1 blower connected-3 amps

**Minimum support table size-**

36" wide, 24" deep