



Harsiddh Engineering Co.

Tablet Capsule Counting and Filling Machine HEC–TCF– 8/12/16/24



Counting of manufactured products has become of primary importance in the pharmaceuticals due to the need to account for the production volumes. In this regard, Harsiddh is pleased to offer modern state of the art tablet capsule counting and filling machines. Our product portfolio includes automatic capsule counting and filling machines, electronic tablet counting and filling machine, multichannel tablet counting machine, tablet counting and filling lines as well as tablet capsule counting and packing line.

Our specially designed automatic counting machines pack and count any type and size of tablet, capsules, caplets, soft gels pills and other solids. After extensive research by experts, our company developed a new patented filling part that ensures no breakage of products when packaging.

The counting is 100% accurate due to advanced sensors to detect the products even when moving at high speeds. The machine is fitted with easy to use and ergonomic HMI interface and a state of the art PLC to make control and operation easy. In addition, the control system implement “no product” “no count” as well as removing broken bottles and tablets.

To minimize idle times and maximize productivity, these machines do not require change of parts when filling different products. The filling machines are compact with ether a single or double conveyor systems. The delrin type conveyor is suitably designed for smooth, vibration and noise free operation.

Features:

- Compact design
- Easy stainless steel or delrin conveyor best for smooth and noise free operation.
- Machine operating through touch screen HMI with and PLC, operation is very easy, counting different size tablet or capsule no need change parts.
- Circumvent the products jamming
- Counting discrepancies is less than 1%
- High speed filling with one filling head
- Product Feeding Hopper mouth of the special construction, to avoid the products jamming.
- Small neck or mouth bottle can quickly filling
- Protect products from damage
- Feeding evenly with vibration, special patent filling part, no breakage of the products.
- Detection and sorting function
- “No bottle No count and fill” systems
- Automatically remove bottles of filling irregularities and broken tablets.
- Self-diagnose errors and stop working to make alarm at errors.
- Anti-dust systems
- Using our own original high anti-dust sensor technology, the machine works accurately with good stability in heavy dust conditions.
- Single operator easy operating systems
- All function and operating quickly through touch screen with PLC
- Different models available as per diverse production capacity
- Working ranges from 2 to 9999 pieces per bottle
- Wide range of models are 8 channels, 12 channels, 16 channels, 24 channels & 32 channels

Technical Specification:

Model	HEC – TCF – 8	HEC – TCF – 12
Output	30 to 40 Bottles / Minute (Depends on count)	40 to 60 Bottles / Minute (Depends on count)
Counting Channels / Tracks	8 Counting channels / tracks	12 Counting channels / tracks
Tablet / Capsule sizes	Tablets Dia. 5 to 12mm, Irregular shape,	Tablets Dia. 5 to 12mm, Irregular shape,
	Pills Dia. 3 to 12mm	Pills Dia. 3 to 12mm
	Capsules “0” to “5”	Capsules “0” to “5”
Container type	Round or flat	Round or flat
	(Glass or pet)	(Glass or pet)
Container Size	Neck diameter 25mm to 40mm & Body Diameter 40 to 60mm, Height 40 to 240mm	Neck diameter 25mm to 40mm & Body Diameter 40 to 60mm, Height 40 to 240mm
Working range	Adjustable from 2 to 9999 pieces	Adjustable from 2 to 9999 pieces
Power Requirements	0.5 H.P., 230 Volts, 50 Hz, 1phase	1 H.P., 230 Volts, 50 Hz, 1phase
Dimensions	1200mm X 950mm X 1280mm	1400mm X 1350mm X 1500mm
Direction	Left to right Or Customised	Left to right Or Customised
Weight	140 Kgs.	210 Kgs.
Remark	Production capacity is subject to type and size of the tablets, capsules, pills, bottles as well as the quantity filled in each bottle	

Model	HEC – TCF – 16	HEC – TCF – 24
Output	60 to 80 Bottles / Minute (Depends on count)	80 to 100 Bottles / Minute (Depends on count)
Counting Channels / Tracks	16 Counting channels / tracks	24 Counting channels / tracks
Tablet / Capsule sizes	Tablets Dia. 5 to 12mm, Irregular shape,	Tablets Dia. 5 to 12mm, Irregular shape,
	Pills Dia. 3 to 12mm	Pills Dia. 3 to 12mm
	Capsules “0” to “5”	Capsules “0” to “5”
Container type	Round or flat	Round or flat
	(Glass or pet)	(Glass or pet)
Container Size	Neck diameter 25mm to 40mm & Body Diameter 40 to 60mm, Height 40 to 240mm	Neck diameter 25mm to 40mm & Body Diameter 40 to 60mm, Height 40 to 240mm
Working range	Adjustable from 2 to 9999 pieces	Adjustable from 2 to 9999 pieces
Power Requirements	1.5 H.P., 230 Volts, 50 Hz, 1phase	2 H.P., 230 Volts, 50 Hz, 1phase
Dimensions	1600mm X 1350mm X 1500mm	1800mm X 1450mm X 1700mm
Direction	Left to right Or Customised	Left to right Or Customised
Weight	350 Kgs.	400 Kgs.
Remark	Production capacity is subject to type and size of the tablets, capsules, pills, bottles as well as the quantity filled in each bottle	