

TL-200 Tray Loader



Specifications

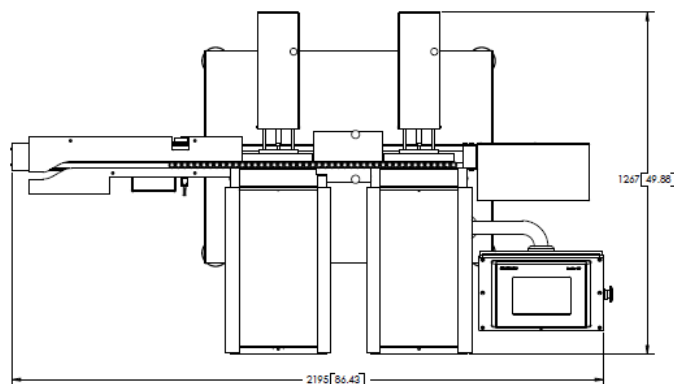
Machine Frame	51 mm (2 in) AISI-304 stainless steel
Dimensions (Length x Width)	2195 x 1267 mm
Height To Working Surface	851 mm – 978 mm (33.5 in – 38.5 in)
Height Overall	Working surface plus 76 mm
HMI	Allen Bradley PanelView Plus 7
PLC	Allen Bradley CompactLogix
Tray Specification	Modified to customer specification
Actuators	High-speed ball screw Servo motor driven
Panels & Cover	AISI-304 stainless steel
Electrical Panel	On-board
Conveyor	AISI-304 stainless steel
Conveyor Track	89 mm (3.5 in) Delrin chain (raised track)
Conveyor Motor	1/3 HP DC adjustable speed
Utility Requirements	208 volt, three phase, 60 Hz
Weight	Approximately 295 kg (650 lbs)
Throughput	400 containers per minute



SP Hull TL-200 Tray Loader - Assuming 305 mm (12 in) Wide Tray

Vials	OD	Height	Output
ML	MM	MM	VPM
2	16	35	400
5	20.8	41.3	161
10	24	45	139
30	30	75	112
50	42.5	73	79
100	52.6	94.5	64
250	64	150	TBD
500	77.5	177	TBD

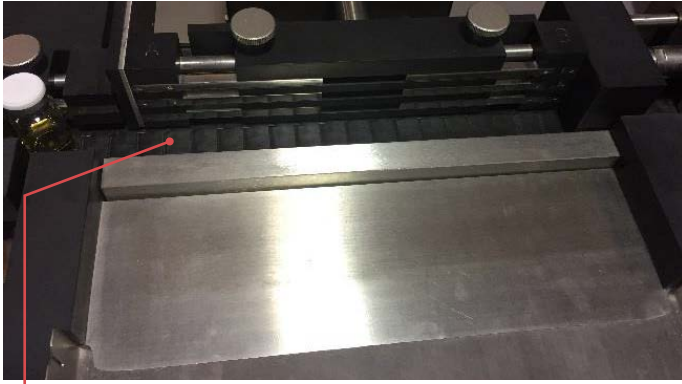
Vial output is dependent on vial shape and tray width



Additional Options

- Machine In 316 Stainless Steel
- Safety Guarding With Poly Carbonate Doors And Windows
- Safety Protection With Light Curtains
- Lyo Frame Lowering
- High-Speed Option
- Vision System For Count Verification
- In Process Particle Monitoring
- 21 CFR 11 Package
- UI Approved Electrical Cabinet
- Validation Documentation

Features



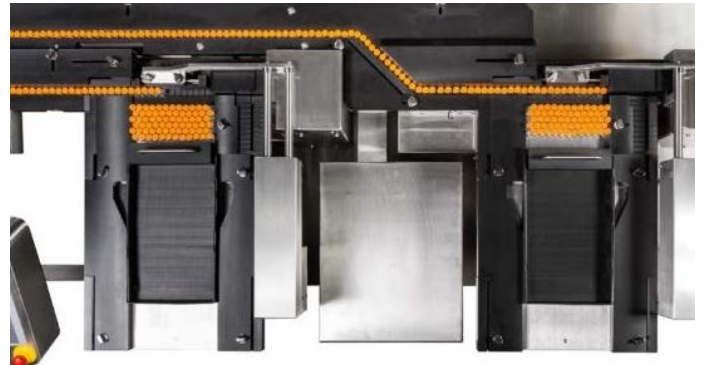
The SP Hull Tray Loaders have an adjustable pusher to accommodate different vial patterns without the need of change parts.



A servo driven backstop will stop the row of vials in the proper position for a close pack configuration. This feature is recipe driven.



SP Hull Tray Loaders incorporate a buffer plate located in front of the receiving tray. The pusher will start to collate vials in a row by row nested configuration. Once the row count has been achieved, the pusher will complete a long stroke to fill the tray. The pusher will then return to its initial position and start to collate vials in short row by row strokes providing the operator sufficient time to remove the full tray and replace an empty, without stopping production.



For faster production speeds (above 400 vials per minute), the two tray stations can be fed independently.



Watch Videos

https://www.youtube.com/watch?v=ZuK_8a0Kr7A&list=PLDkDgHjkrjNXBv_5vl6TLMkNjnpjh6mb&index=14